WORLDWIDE PRICE LIST and SPECIFICATIONS

TASK FORCE TIPS®
FIRE FIGHTING EQUIPMENT

May 1, 2017



Task Force Tips LLC saves lives and protects property by designing and manufacturing innovative tools which exceed the expectations of those that risk their lives to save others.



10001004 QM08 ISO 9001:2008

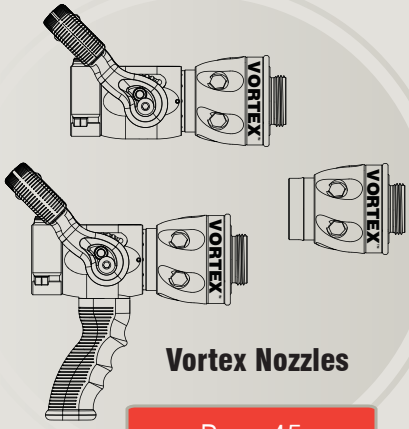
TASK FORCE TIPS LLC

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Equipment, literature and digital data can be obtained by contacting your trained TFT distributor.

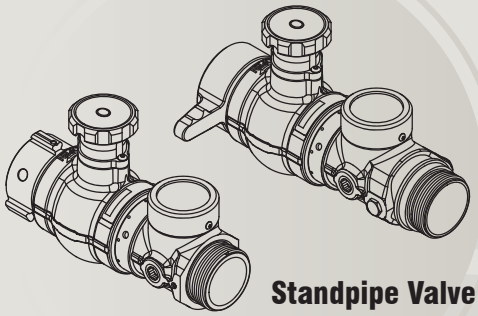
what's new...

Dozens of Innovative Products Added...



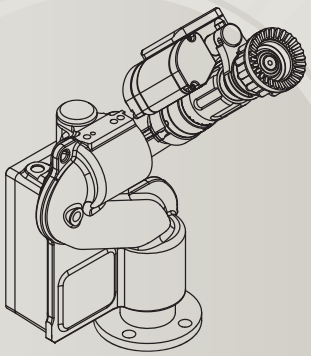
Vortex Nozzles

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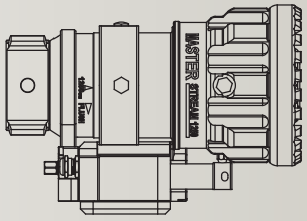
Standpipe Valve

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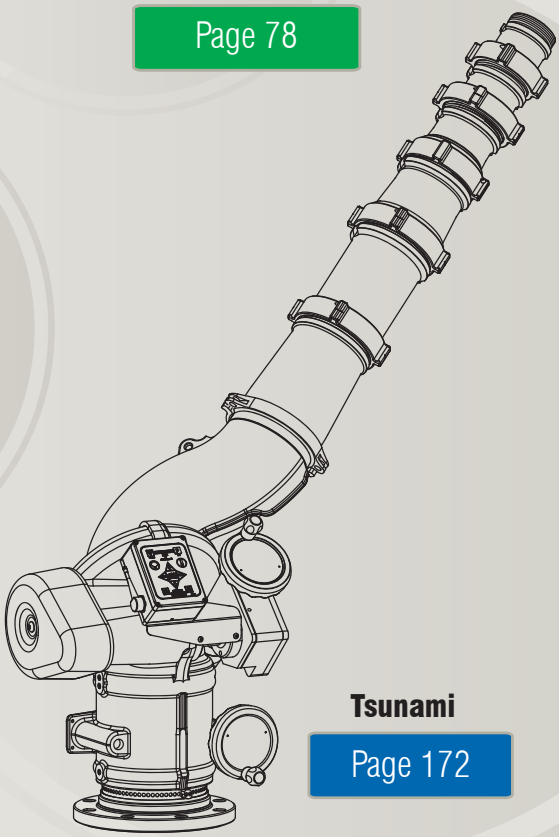
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Master Steam 1250 Remote Control

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Tsunami

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Customer Technical Service: service@tft.com
Customer Sales: sales@tft.com
International Sales: intsales@tft.com

tft.com

24-Hour Turnaround Factory Service
24-Hour Technical Hot-line: 800-348-2686

ORDERING INFORMATION

VERBAL ORDERS: Are accepted; however, any mistakes in ordering will be the responsibility of the customer. E-mail or faxed purchase orders are highly recommended. E-mail to sales@tft.com or fax to 219-464-7155.

TERMS: Net 30 days. Subject to credit approval. Subject to finance charge of one and one half percent (1.5%) per month.

DELIVERY: F.O.B. Factory. Shipments under 150 lb. (per box) will be sent by regular United Parcel Service. Please advise if other methods such as express shipment, or common carrier are required. Large items may be shipped by common carrier. Some orders for larger quantities may be bulk packed.

EXPEDITED ORDER PROCESSING

Task Force Tips recognizes that situations arise that may require TFT to consider expediting an existing order.

Upon acceptance of a revised estimated shipping date. A 10% express fee will be charged and shown as a separate line item on the invoice.

For additional information, contact Task Force Tips order entry team.

RETURNED GOODS

To assure proper credit is received, follow these instructions. Visit www.tft.com, click on Customer Service, RGA - Return Goods. Log in or create a new user. Click on RGA - Return Goods, complete the form and submit. Once approved, an RGA number will be e-mailed to you with packing instructions.

NOTE: item(s) must be in new condition as received in original shipment and on an invoice that is no more than one year old.

The following Re-Stocking Fees will apply to ALL RGA Returns

- 10% Restocking Fee for all Standard Item Returns
- Minimum 25% Restocking Fee for Custom Item Returns (special threads, laser engraving, custom colors, special lengths, etc.)
- If items are received here damaged TFT reserves the right to reject the shipment or assess further re-stocking fees to cover additional costs.

TFT is not responsible for the packaging or shipping quality of returning items. To lessen the chance of an increased restocking fee, TFT recommends taking the following precautions:

- Items are returned damage free.
- Items are unused.
- Items are in original packaging.
- RGA# is listed on the outside of the box.
- TFT RGA form is included with the shipment.
- Customer used TFT website to generate RGA request.

If the original packaging is not available, TFT strongly recommends packaging multiple units separately or with adequate packaging material to eliminate damage during return shipping.

THREAD ORDERING INFORMATION

All products will be delivered with National Hose threads (NH) unless otherwise specified at the time of order.

NH: National Hose threads per NFPA 1963. British Standard Pipe threads (BSP) with 55 degree Whitworth form are produced to ISO 228. Consult factory for further information.

THREAD CODE NOTATION: Special threads, such as NPSH, BSP, BIC, can be ordered on most products. **There is no additional charge for special threads.** We maintain a library of hundreds of special thread specifications. Specifications from individual cities with functionally identical threads are grouped together in thread codes. Specifications for threads not in our library will be needed at time of order. Please add 2 - 4 weeks to normal delivery time.

Task Force Tips products are available with many optional inlets. Optional inlet coupling styles are normally kept in stock. Consult factory for your specific requirements. For additional information on thread specifications and ordering, call 219 548-4000.

Please include TPI (threads per inch) and ODM (outside diameter) when placing order. Also provide name of city to assure special threads match your specification.

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Product Category Segmentation

Initial Attack Components	Apparatus Components	OEM Installed Components	Industrial Components
Twister BubbleCup QuadraCup QuadraFog ThunderFog Metro 0 Metro 1 Metro 2 Ultimatic Mid-Matic Mid-Force CAFS-Force Handline & Dual-Force Series of Handheld Nozzles Low and Multi-Expansion Foam Attachments Medium Expansion Foam Attachment Eductors PRO/pak Smoothbores VIT series Ball Valves Shutoffs Small Adapters Forestry Accessories Pressure Gauges Chimney Snuffer, VFlow, Transformer, MasterFoam nozzles Blitzforce, BlitzFire and BlitzFire OSC Portable Monitors and Packages Hemisphere Monitor	Water Thieves, Gated Wyes, Tools to include Hydrant Wrench Sets & Spanner Wrench Sets, Intake Valves (except Remote Control versions) Crossfires, Crossfire packages Jumbo Water Thieves, 3-way and 4-way Jumbo Manifolds and Siamese, 5-way Manifold In-Line Valves Jumbo Gated Wyes, Quarter Turn Gate Valves Adapters, Elbows & Detent Elbows, Blind Caps, Suction Strainers Hydrant Assist Valve Hydrant Adapters RC Hydrant Master	Masterstream 500, 1000, 1250s, 1250, 1500, And 2000 gpm Manual and Remote Nozzles, Extend-A-Gun Manual And Remote, EF1 Tornado Lite, Tornado, Hurricane, Typhoon Monsoon Tsunami Manual and Remote Monitors, V.U.M. Series, VK Series Of Valve Kits, AB and AX Remote Control Intake Valves. Remote Control Accessories	ZN Series Nozzles, ZM Series Nozzles, ZO Series Nozzles, Masterstream 4000, Masterstream 5000, PROtector Manual Monitors, ATEX Certified Monitors, Industrial VUM Series Flanged OSC Monitor Hemisphere Monitor, Oasis Under Monitor

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

RED Category
Initial Attack Components

The RED category includes initial attack components such as fixed, selectable, and automatic handheld nozzles, foam injection and application equipment, related foam attachments, portable monitors, and accessories such as ball shutoffs, smooth bore tips, and specialty nozzles.

Components Included In The Category

Twister, BubbleCup, QuadraCup, QuadraFog and ThunderFog,
Metro 0, Metro 1, Metro 2, Ultimatic ,
Mid-Matic, Mid-Force, CAFS-Force, Handline and
Dual-Force Series of Handheld Nozzles

Low and Multi-Expansion Foam Attachments,
Eductors

Smoothbores, VITG series, Ball Valves, Shutoffs,
Small Adapters, Pressure Gauges and Forestry Accessories.

MasterFoam Nozzles,

Blitzfire, and Blitzfire OSC Portable Monitors and Packages
Hemisphere Monitor

1" (25mm) TWISTER® SERIES

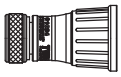
10 & 24 or 10 & 40 GPM (37 & 90 or 37 & 150 l/min) — Dual Gallonage

The 1" (25mm) Twister is a selectable, dual gallonage, combination pattern nozzle, available in 3/4" (19mm) or 1" (25mm) threads and is designed for simplicity and durability. The rubber bumper provides a positive grip and protects the front end. Twisting the shaper from the "off" position produces the following settings: low flow straight stream, low flow narrow fog, high flow straight stream, then high flow fog. The Twister, with its optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1), is a rugged, economical nozzle that will accept the FJ-MX-D FOAMJET multi-expansion foam aspirating attachment.

1" 10 and 24 GPM (25mm 37 and 90 l/min)

C1024

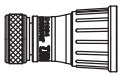
0.6 lb. (0.3kg)
4.00" (10.2cm)



C1024 TWISTER TIP 3/4" GHT (19mm) - Dual gallonage nozzle with two flow settings of 10 and 24 gpm @ 100 psi (37 and 90 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist "off" position for break-and-extend operations. 3/4" GHT (19mm) rigid thread is standard.

D1024

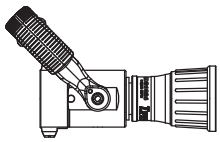
0.6 lb. 0.3kg)
4.00" (10.2cm)



D1024 TWISTER TIP 1" NH (25mm) - Dual gallonage nozzle with two flow settings of 10 and 24 gpm @ 100 psi (37 and 90 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist "off" position for break-and-extend operations. 1" NH (25mm) rigid thread is standard.

DS1024

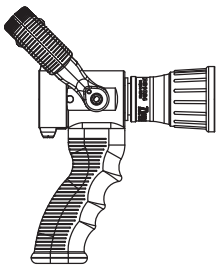
1.5 lb. (0.7kg)
6.25" (15.9cm)



DS1024 TWISTER NOZZLE 1" NH (25mm) - Dual gallonage nozzle with two flow settings of 10 and 24 gpm @ 100 psi (37 and 90 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Rocker lug 1" NH (25mm) swivel is standard.

DS1024P

1.9 lb. (0.9kg)
6.25" (15.9cm)



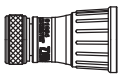
DS1024P TWISTER W/GRIP 1" NH (25mm) - Dual gallonage nozzle with two flow settings of 10 and 24 gpm @ 100 psi (37 and 90 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1" NH (25mm) swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

1" 10 and 40 GPM (25mm 37 and 150 l/min)

C1040

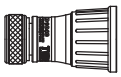
0.6 lb. (0.3kg)
4.00" (10.2cm)



C1040 TWISTER TIP 3/4" GHT (19mm) - Dual gallonage nozzle with two flow settings of 10 and 40 gpm @ 100 psi (37 and 150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist "off" position for break-and-extend operations. 3/4" GHT (19mm) rigid thread is standard.

D1040

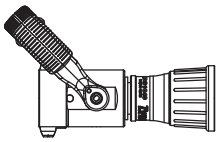
0.6 lb. (0.3kg)
4.00" (10.2cm)



D1040 TWISTER TIP 1" NH (25mm) - Dual gallonage nozzle with two flow settings of 10 and 40 gpm @ 100 psi (37 and 150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist "off" position for break-and-extend operations. 1" NH (25mm) rigid thread is standard.

DS1040

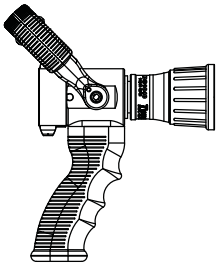
1.5 lb. (0.7kg)
6.25" (15.9cm)



DS1040 TWISTER NOZZLE 1" NH (25mm) - Dual gallonage nozzle with two flow settings of 10 and 40 gpm @ 100 psi (37 and 150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Rocker lug 1" NH (25mm) swivel is standard.

DS1040P

1.9 lb. (0.9kg)
6.25" (15.9cm)



DS1040P TWISTER W/GRIP 1" NH (25mm) - Dual gallonage nozzle with two flow settings of 10 and 40 gpm @ 100 psi (37 and 150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1" NH (25mm) swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5” (38mm) TWISTER® SERIES

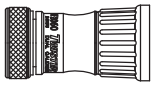
20 & 60 or 20 & 95 GPM (75 & 230 or 75 & 360 l/min) ***Dual Gallonage***

The 1.5" (38mm) Twister is a selectable, dual gallonage, combination pattern nozzle available in 1.5" (38mm) threads and is designed for simplicity and durability. The rubber bumper provides a positive grip and protects the fixed metal fog teeth. Twisting the shaper from the “off” position produces the following settings: low flow straight stream, low flow narrow fog, high flow straight stream, then high flow fog. The Twister, with its optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1), is a rugged, economical nozzle that will accept the FJ-MX-F FOAMJET multi-expansion foam aspirating attachment.

1.5” 20 and 60 GPM (38mm 75 and 230 l/min)

F2060

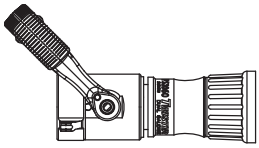
1.2 lb. (0.6kg)
5.25" (13.3cm)



F2060 TWISTER TIP 1.5" NH (38mm) - Dual gallonage nozzle with two flow settings of 20 and 60 gpm @ 100 psi (75 and 230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist “off” position for break-and-extend operations. 1.5" NH (38mm) rigid thread is standard.

FS2060

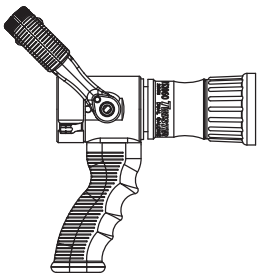
2.4 lb. (1.1kg)
7.37" (18.7cm)



FS2060 TWISTER NOZZLE 1.5" NH (38mm) - Dual gallonage nozzle with two flow settings of 20 and 60 gpm @ 100 psi (75 and 230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist “off” position for positive shut off. Rocker lug 1.5" NH (38mm) swivel is standard.

FS2060P

2.6 lb. (1.2kg)
7.37" (18.7cm



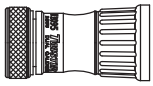
FS2060P TWISTER W/GRIP 1.5" NH (38mm) - Dual gallonage nozzle with two flow settings of 20 and 60 gpm @ 100 psi (75 and 230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist “off” position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1.5" NH (38mm) swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available. See page 220 for ordering information.

1.5” 20 and 95 GPM (38mm 75 and 360 l/min)

F2095

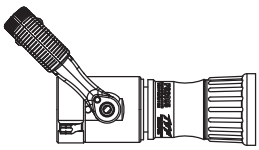
1.2 lb. (0.6kg)
5.25" (13.3cm)



F2095 TWISTER TIP 1.5" NH (38mm) - Dual gallonage nozzle with two flow settings of 20 and 95 gpm @ 100 psi (75 and 360 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist “off” position for break-and-extend operations. 1.5" NH (38mm) rigid thread is standard.

FS2095

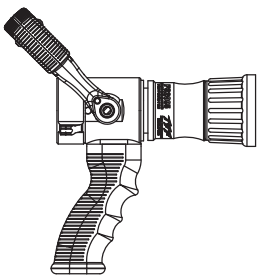
2.4 lb. (1.1kg)
7.37" (18.7cm)



FS2095 TWISTER NOZZLE 1.5" NH (38mm) - Dual gallonage nozzle with two flow settings of 20 and 95 gpm @ 100 psi (75 and 360 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist “off” position for positive shut off. Rocker lug 1.5" NH (38mm) swivel is standard.

FS2095P

2.6 lb. (1.2kg)
7.37" (18.7cm)



FS2095P TWISTER W/GRIP 1.5" NH (38mm) - Dual gallonage nozzle with two flow settings of 20 and 95 gpm @ 100 psi (75 and 360 l/min @ 7bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist “off” position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1.5" NH (38mm) swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available. See page 220 for ordering information.

1" (25mm) BUBBLECUP® SERIES

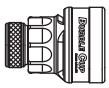
10 & 24 or 10 & 40 GPM (38 & 150 l/min) — *Dual Gallonage Foam Nozzle*

The Bubble Cup, 1" (25mm) series, is a unique combination pattern nozzle capable of producing aspirated foam, conventional straight stream and a wide fog pattern. When the outer sleeve is in the retracted position, the nozzle operates as a standard dual gallonage straight stream/combination nozzle. (See Twister series.) To use the aspirating feature of the nozzle, the nozzle operator slides the outer sleeve forward, and by adjusting the pattern, has control of reach and aspiration. If an immediate wide fog pattern is needed, the sleeve can be retracted instantly to its regular position. The Bubble Cup, with its optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1), is a versatile nozzle with an extra measure of versatility not found in any other aspirating foam nozzle. (All nozzles shown retracted. Retracted and Extended lengths are listed.)

1" 10 and 24 GPM (25mm 38 and 90 l/min)

D1024BC

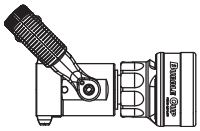
0.9 lb. (0.4kg)
4.00" - 6.00"
(10.2-15.2cm)



D1024BC BUBBLE CUP TIP 1" NH (25mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 10 and 24 gpm @ 100 psi (38 and 90 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist "off" position for break-and-extend operations. 1" NH (25mm) rigid thread is standard.

DS1024BC

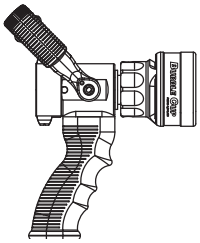
1.8 lb. (0.8kg)
6.37" - 8.37"
16.2-21.3cm



DS1024BC BUBBLE CUP NOZZLE1" NH (25mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 10 and 24 gpm @ 100 psi (38 and 90 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Rocker lug 1" NH (25mm) swivel is standard.

DS1024BCP

2.0 lb. (0.9kg)
6.37"- 8.37"
(16.2-21.3cm)



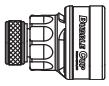
DS1024BCP BUBBLE CUP W/GRIP 1" NH (25mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 10 and 24 gpm @ 100 psi (38 and 90 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1" NH (25mm) swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

1" 10 and 40 GPM (25mm 38 and 150 l/min)

D1040BC

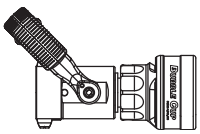
0.9 lb. (0.4kg)
4.00" - 6.00"
(10.2-15.2cm)



D1040BC BUBBLE CUP TIP 1" NH (25mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 10 and 40 gpm@ 100 psi (38 and 150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist "off" position for break-and-extend operations. 1" NH (25mm) rigid thread is standard.

DS1040BC

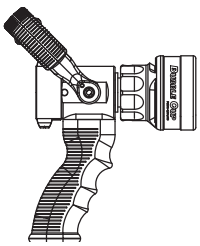
1.8 lb. (0.8kg)
6.37" - 8.37"
16.2-21.3cm)



DS1040BC BUBBLE CUP NOZZLE 1" NH (25mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 10 and 40 gpm @ 100 psi (38 and 150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Rocker lug 1" NH (25mm) swivel is standard.

DS1040BCP

2.0 lb. (0.9kg)
6.37"- 8.37"
(16.2-21.3cm)



DS1040BCP BUBBLE CUP W/GRIP 1" NH (25mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 10 and 40 gpm @ 100 psi (38 and 150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist "off" position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1" NH (25mm) swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5” (38mm) BUBBLECUP® SERIES

20 & 60 or 20 & 95 or 95 GPM (75 & 230 or 75 & 360 or 360 l/min)

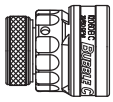
Single or Dual Gallonage Foam Nozzle

The Bubble Cup, 1-1/2" (38mm) series, is a unique combination pattern nozzle capable of producing aspirated foam, conventional straight stream and a wide fog pattern. When the outer sleeve is in the retracted position, the nozzle operates as a standard dual gallonage straight stream/combination nozzle. (See Twister series.) To use the aspirating feature of the nozzle, the nozzle operator slides the outer sleeve forward, and by adjusting the pattern, has control of reach and aspiration. If an immediate wide fog pattern is needed, the sleeve can be retracted instantly to its regular position. The Bubble Cup, with its optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1), is a unique nozzle with an extra measure of versatility not found in any other aspirating foam nozzle. (All nozzles shown retracted. Retracted and Extended lengths are listed.)

1.5” 20 and 60 GPM (38mm 75 and 230 l/min)

F2060BC

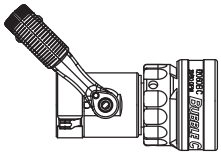
1.7 lb. (0.7kg)
5.00" - 7.50"
(12.7-19.1cm)



F2060BC BUBBLE CUP TIP 1.5" NH (38mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 20 and 60 gpm @ 100 psi (75 and 230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist “off” position for break-and-extend operations. 1.5" NH (38mm) rigid thread is standard.

FS2060BC

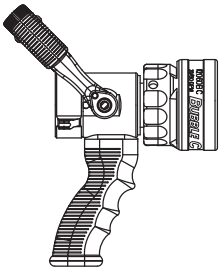
3.0 lb. (1.3kg)
7.25"- 9.75"
(18.4-24.8cm)



FS2060BC BUBBLE CUP NOZZLE 1.5" NH (38mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 20 and 60 gpm @ 100 psi (75 and 230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist “off” position for positive shut off. Rocker lug 1.5" NH (38mm) swivel is standard.

FS2060BCP

3.2 lb. (1.5kg)
7.25"- 9.75"
(18.4-24.8cm)



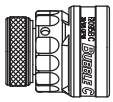
FS2060BCP BUBBLE CUP W/GRIP 1.5" NH (38mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 20 and 60 gpm @ 100 psi (75 and 230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist “off” position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1.5" NH (38mm) swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

1.5” 20 and 95 or 95 GPM (38mm 75 and 360 or 360l/min)

F2095BC
F95BC

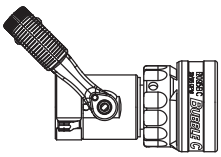
1.7 lb. (0.7kg)
5.00" - 7.50"
(12.7-19.1cm)



F2095BC BUBBLE CUP TIP 1.5" NH (38mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 20 and 95 gpm @ 100 psi (75 and 360 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. This tip only design has a twist “off” position for break-and-extend operations. 1.5" NH (38mm) rigid thread is standard.
F95BC BUBBLE CUP TIP 1.5” NH (38mm) - Same features as above with single flow setting of 95 gpm @ 100 psi (360 l/min @ 7 bar).

FS2095BC
FS95BC

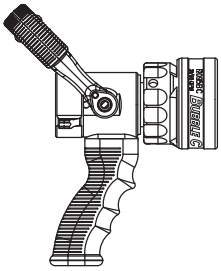
3.0 lb. (1.3kg)
7.25"- 9.75"
(18.4-24.8cm)



FS2095BC BUBBLE CUP NOZZLE 1.5" NH (38mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 20 and 95 gpm @ 100 psi (75 and 360 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist “off” position for positive shut off. Rocker lug 1.5" NH (38mm) swivel is standard.
FS95BC BUBBLE CUP NOZZLE 1.5” NH (38mm) - Same features as above with single flow setting of 95 gpm @ 100 psi (360 l/min @ 7 bar)

FS2095BCP
FS95BCP

3.2 lb. (1.5kg)
7.25"- 9.75"
(18.4-24.8cm)



FS2095BCP BUBBLE CUP W/GRIP 1.5" NH (38mm) - Dual gallonage Bubble Cup nozzle with two flow settings of 20 and 95 gpm @ 100 psi (75 and 360 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat, stainless steel shut-off ball and a twist “off” position for positive shut off. Pistol grip is mounted below the valve. Rocker lug 1.5" NH (38mm) swivel is standard.
FS95BCP BUBBLE CUP W/GRIP 1.5” NH (38mm) - Same features as above with single flow setting of 95 gpm @ 100 psi (360 l/min @ 7 bar).

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

1.5” (38mm) QUADRACUP SERIES

30, 60, 95 & 125 GPM (110, 230, 360 & 470 l/min) — Selectable Gallonage

The QuadraCup is a rugged and dependable selectable gallonage nozzle with a retractable foam aspiration sleeve. When the outer sleeve is in the retracted position, the nozzle operates the same as the TFT QuadraFog. Flow can be set to any one of four flow settings, or to a flush mode. The front end can be rotated from straight stream through wide fog patterns. Uniquely cut fixed metal fog teeth produce a wide range of fog patterns.

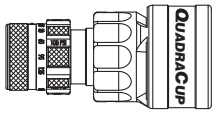
To use the aspirating feature of the nozzle, the nozzle operator slides the outer sleeve forward, and by adjusting the pattern, has control of reach and aspiration. If an immediate wide fog pattern is needed, the sleeve can be retracted instantly to its regular position.

Available in either tip-only configuration or with a stainless ball shutoff, the QuadraCup is also available with optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1). Metric calibrations available: 110-230-360-470 l/min @ 7 bar - consult factory for model numbers.

Model# Suffix: L = Low Pressure 75 psi (5 bar)

FQ125BC
FQ125BCL

1.7 lb. (0.7kg)
5.00" - 7.25"
(12.7-19.1cm)

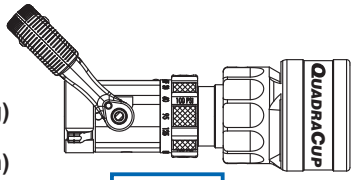


NFPA 1964 COMPLIANT

FQ125BC QUADRACUP TIP 1.5" NH (38mm) - Selectable gallonage nozzle with four flow settings of 30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. This tip-only design has an “off” position for break-and-extend operations. 1.5" NH (38mm) rigid thread is standard.
FQ125BCL LOW PRESSURE VERSION - Same as FQ125BC but operates at a lower pressure 75 psi (5bar).

FQS125BC
FQS125BCL

3.0 lb. (1.3kg)
7.25"- 9.75"
(18.4-24.8cm)

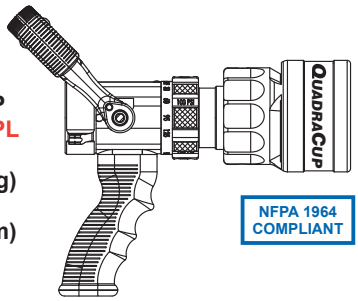


NFPA 1964 COMPLIANT

FQS125BC QUADRACUP NOZZLE 1.5" NH (38mm) - Selectable gallonage nozzle with four flow settings of 30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Rocker lug 1.5" NH (38mm) swivel is standard.
FQS125BCL LOW PRESSURE VERSION - Same as FQS125BC but operates at a lower pressure 75 psi (5bar).

FQS125BCP
FQS125BCPL

3.2 lb. (1.5kg)
7.25"- 9.75"
(18.4-24.8cm)

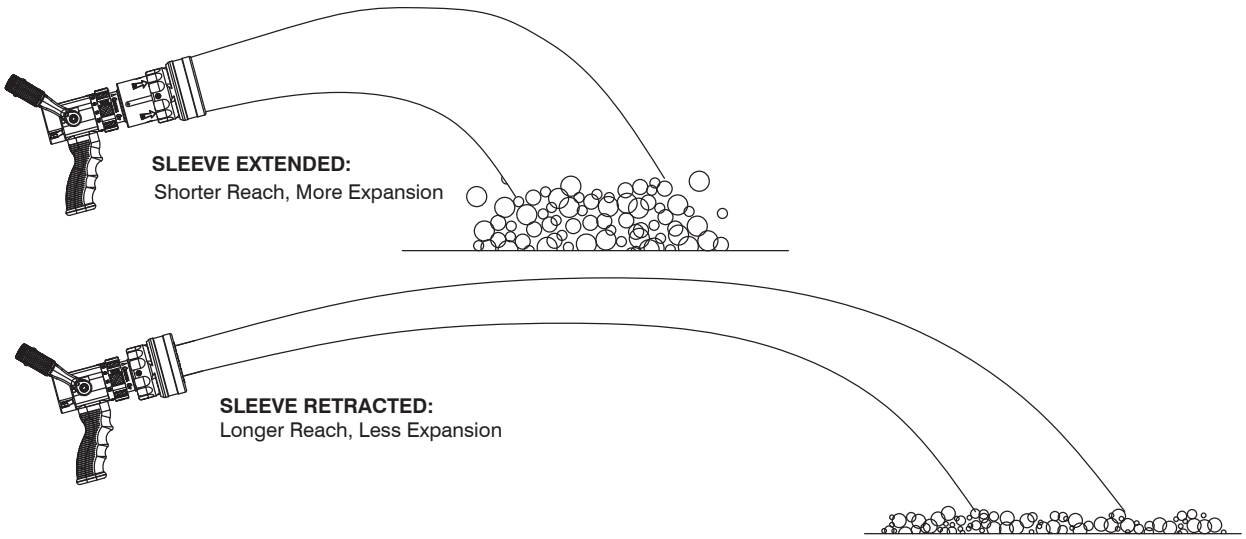


NFPA 1964 COMPLIANT

FQS125BCP QUADRACUP W/GRIP 1.5" NH (38mm) - Selectable gallonage nozzle with four flow settings of 30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Rocker lug 1.5" NH (38mm) swivel is standard.
FQS125BCPL LOW PRESSURE VERSION - Same as FQS125BCP but operates at a lower pressure 75 psi (5bar).

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
QF500BCTR	QuadraCup w/trigger grip 1.5” BSP Inlet	100-250-500 l/min @ 6 bar
TA410	BubbleCup w/grip 1.0” BSP Inlet	40-100 l/min @ 6.8 bar
TAP825	BubbleCup w/grip 1.5” BSP Inlet	80-250 l/min @ 6.8 bar



SLEEVE EXTENDED:
Shorter Reach, More Expansion

SLEEVE RETRACTED:
Longer Reach, Less Expansion

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

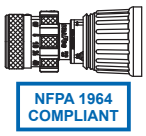
1” (25mm) QUADRAFOG® DQ40 SERIES

5-10-24-40 GPM (20-40-90-150 l/min) — Selectable Gallonage

The 5-10-24-40 gpm QuadraFog is an excellent choice for any 1" hose line. With its optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1), the compact QuadraFog is an economical and lightweight, selectable gallonage, combination pattern nozzle. It is adjustable from a straight stream to a dense fog pattern. All DQ40 series of nozzles are suitable for use with foam and accept either the FJ-DQ FOAMJET low-expansion or the FJ-MX-DQ FOAMJET multi-expansion foam attachments. All models are available with metal cut fog teeth. Metric calibrations available: 20-40-90-150 l/min @ 7 bar – consult factory for model numbers.

DQ40

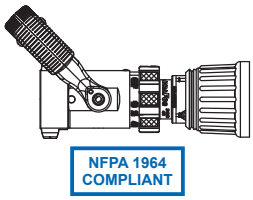
1.3 lb. (0.6kg)
5.00" (12.7cm)



DQ40 QUADRAFOG TIP 1" NH (25mm) - Selectable gallonage nozzle with four flow settings of 5, 10, 24, and 40 gpm @ 100 psi (20-40-90-150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. This tip-only design has an “off” position for break-and-extend operations. 1" NH rigid thread is standard.

DQS40

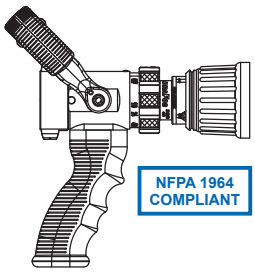
2.0 lb. (0.9kg)
7.25" (18.4cm)



DQS40 QUADRAFOG NOZZLE 1" NH (25mm) - Selectable gallonage nozzle with four flow settings of 5, 10, 24, and 40 gpm @ 100 psi (20-40-90-150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Rocker lug 1" NH swivel is standard.

DQS40P

2.3 lb. (1.0kg)
7.25" (18.4kg)



DQS40P QUADRAFOG W/GRIP 1" NH (25mm) - Selectable gallonage nozzle with four flow settings of 5, 10, 24, and 40 gpm @ 100 psi (20-40-90-150 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Rocker lug 1" NH swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
QF150-HP	Quadrafog w/grip w/high pressure option 1.0” BSP Inlet	20-40-100-150 l/min @ 6 bar
QF235	Quadrafog w/grip 1.0” BSP Inlet	20-40-100-150-235 l/min @ 6 bar

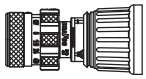
1.0” (25mm) QUADRAFOG® DQ60 SERIES

5-10-24-40-60 GPM (20-40-90-150-230 l/min) ***Selectable Gallonage***

The 5-10-24-40-60 gpm QuadraFog is an excellent choice for any 1" hose line. With its optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1), the compact QuadraFog is an economical and lightweight, selectable gallonage, combination pattern nozzle. It is adjustable from a straight stream to a dense fog pattern. All DQ60 series of nozzles are suitable for use with foam and accept either the FJ-DQ FOAMJET low-expansion or the FJ-MX-DQ FOAMJET multi-expansion foam attachments. All models are available with metal cut fog teeth. Metric calibrations available: 20-40-90-150-230 l/min @ 7 bar – consult factory for model numbers.

DQ60

1.3 lb. (0.6kg)
5.00" (12.7cm)

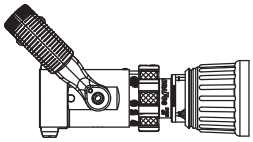


NFPA 1964 COMPLIANT

DQ60 QUADRAFOG TIP 1" NH (25mm) - Selectable gallonage nozzle with five flow settings of 5, 10, 24, 40 and 60 gpm @ 100 psi (20-40-90-150-230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. This tip-only design has an “off” position for break-and-extend operations. 1" NH rigid thread is standard.

DQS60

2.0 lb. (0.9kg)
7.25" (18.4cm)

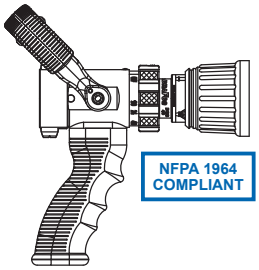


NFPA 1964 COMPLIANT

DQS60 QUADRAFOG NOZZLE 1" NH (25mm) - Selectable gallonage nozzle with five flow settings of 5, 10, 24, 40 and 60 gpm @ 100 psi (20-40-90-150-230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Rocker lug 1" NH swivel is standard.

DQS60P

2.3 lb. (1.0kg)
7.25" (18.4kg)



NFPA 1964 COMPLIANT

DQS60P QUADRAFOG W/GRIP 1" NH (25mm) - Selectable gallonage nozzle with five flow settings of 5, 10, 24, 40 and 60 gpm @ 100 psi (20-40-90-150-230 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Rocker lug 1" NH swivel is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
QF150-HP	Quadrafog w/grip w/high pressure option 1.0” BSP Inlet	20-40-100-150 l/min @ 6 bar
QF235	Quadrafog w/grip 1.0” BSP Inlet	20-40-100-150-235 l/min @ 6 bar

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5” (38mm) QUADRAFOG® SERIES

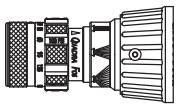
30 - 125 GPM (110 -470 l/min) — ***Selectable Gallonage***

The 30-125 gpm QuadraFog is designed for 1-1/2" hose lines. The compact QuadraFog is a rugged and dependable, NFPA compliant, selectable gallonage nozzle. Available in either tip-only configuration, or with a stainless ball shutoff, the QuadraFog is also available with optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1). All 1-1/2" QuadraFogs accept either the FJ-LX-FQ FOAMJET low-expansion or the FJ-MX-FQ FOAMJET multi-expansion foam aspiration attachments and come with your choice of Fixed aluminum (F) or stainless steel Spinning (S) fog teeth. Metric calibrations available: 110-230-360-470 l/min @ 7bar – consult factory for model numbers.

Model# Suffix: F = Fixed Teeth S = Spinning Teeth L = Low Pressure

FQ125F
FQ125S
FQ125LF
FQ125LS

2.4 lb. (1.1kg)
6.87" (17.5cm)

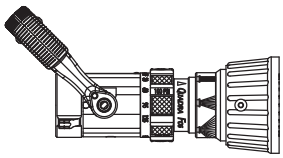


NFPA 1964 COMPLIANT — FM APPROVED

FQ125 QUADRAFOG TIP 1.5" NH (38mm) - Selectable gallonage nozzle with four flow settings of 30, 60, 95, and 125 gpm @ 100 psi (110-230-360-470 l/min @ 7bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. This tip-only design has an “off” position for break-and-extend operations. 1.5" NH rigid thread is standard. FM Approved
FQ125L - LOW PRESSURE VERSION. Same as FQ125 above, but operates at a lower pressure of 75 psi (5 bar). Not FM Approved

FQS125F
FQS125S
FQS125LF
FQS125LS

3.4 lb. (1.5kg)
8.37" (21.3cm

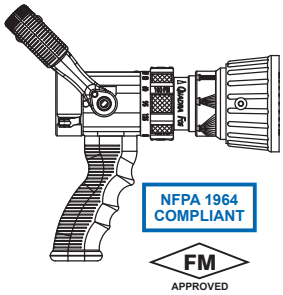


NFPA 1964 COMPLIANT — FM APPROVED

FQS125 QUADRAFOG NOZZLE 1.5" NH (38mm) - Selectable gallonage nozzle with four flow settings of 30, 60, 95, and 125 gpm @ 100 psi (110-230-360-470 l/min @ 7bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Rocker lug 1.5" NH swivel is standard. FM Approved
FQS125L - LOW PRESSURE VERSION. Same as FQS125 above, but operates at a lower pressure of 75 psi (5 bar). Not FM Approved

FQS125PF
FQS125PS
FQS125LPF
FQS125LPS

3.6 lb. (1.6kg)
8.37" (21.3cm)



NFPA 1964 COMPLIANT — FM APPROVED

FQS125P QUADRAFOG W/GRIP 1.5" NH (38mm) - Selectable gallonage nozzle with four flow settings of 30, 60, 95, and 125 gpm @ 100 psi (110-230-360-470 l/min @ 7bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Rocker lug 1.5" NH swivel is standard. FM Approved
FQS125LP - LOW PRESSURE VERSION. Same as FQS125P above, but operates at a lower pressure of 75 psi (5 bar). Not FM Approved

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
QF250	Quadrafog (Twinfog) w/grip 1.5” BSP Inlet	20-250 l/min @ 6 bar w/flashover setting
QF400	Quadrafog w/grip 2.0” BSP Male Inlet	100-400 l/min @ 6 bar w/flashover setting
QF500	Quadrafog w/grip 1.5” BSP Inlet	100-500 l/min @ 6 bar w/flashover setting
QF500-BIC	Quadrafog w/grip 1.5” BIC Male Inlet	100-500 l/min @ 6 bar w/flashover setting
QF500S	Quadrafog w/grip w/spinning turbine fog teeth 1.5” BSP Inlet	100-500 l/min @ 6 bar
QF500S-BIC	Quadrafog w/grip w/spinning turbine fog teeth 1.5” BIC Male Inlet	100-500 l/min @ 6 bar

There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 230-231 or www.tft.com for additional information.

1.5” (38mm) THUNDERFOG® SERIES

30 - 200 or 95 - 250 GPM (110 - 750 or 360 - 950 l/min) **Selectable Gallonage**

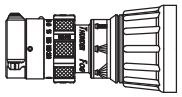
The Thunderfog is available in two basic series: the 200 series, with a selectable flow range of 30-200 gpm (110-750 l/min), and the 250 series, with a selectable flow range of 95-250 gpm (360-950 l/min). The 200 series is an excellent choice for 1.5" or 1.75" hose lines, and for higher flows, the 250 series will work with 1.5" through 2.5" lines. All Thunderfogs are NFPA compliant, and are available in tip only configuration, or with stainless steel ball shutoff, and optional colored pistol grips and handle covers (NFPA 1901 (A.16.9.1). All Thunderfogs accept the FJ-MX-FT FOAMJET multi-expansion foam aspirating attachment, and are available with your choice of Fixed aluminum (F) or stainless steel Spinning (S) fog teeth. Metric calibrations available: 110-230-360-470-570-750 l/min @ 7 bar or 360-470-570-750-950 l/min @ 7 bar – consult factory for model numbers.

Model# Suffix: F = Fixed Teeth S = Spinning Teeth L = Low Pressure

1.5” 30-200 GPM SERIES (110-750 l/min)

FT200F
FT200S
FT200LF
FT200LS

3.7 lb. (1.7kg)
8.25" (21cm)

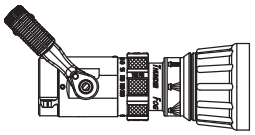


NFPA 1964 COMPLIANT — FM APPROVED

FT200 THUNDERFOG TIP 1.5" NH (38mm) - Selectable gallonage nozzle with six flow settings of 30, 60, 95, 125, 150, and 200 gpm @ 100 psi (110-230-360-470-570-750 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. This tip-only design has an “off” position for break-and-extend operations. 1.5" NH rigid rocker lug coupling is standard. FM Approved
FT200L - LOW PRESSURE VERSION. Same as FT200 above, but operates at a lower pressure of 75 psi (5 bar). Not FM Approved

FTS200F
FTS200S
FTS200LF
FTS200LS

5.6 lb. (2.5kg)
10.18" (25.9cm)

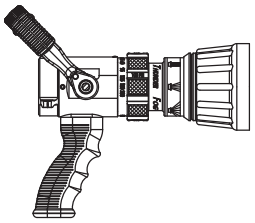


NFPA 1964 COMPLIANT — FM APPROVED

FTS200 THUNDERFOG NOZZLE 1.5" NH (38mm) - Selectable gallonage nozzle with six flow settings of 30, 60, 95, 125, 150, and 200 gpm @ 100 psi (110-230-360-470-570-750 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Rocker lug 1.5" NH full-time swivel coupling is standard. FM Approved
FTS200L - LOW PRESSURE VERSION. Same as FTS200 above, but operates at a lower pressure of 75 psi (5 bar). Not FM Approved

FTS200PF
FTS200PS
FTS200LPF
FTS200LPS

5.8 lb. (2.5kg)
10.18" (25.9cm)



NFPA 1964 COMPLIANT — FM APPROVED

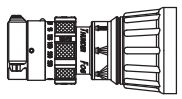
FTS200P THUNDERFOG W/GRIP 1.5" NH (38mm) - Selectable gallonage nozzle with six flow settings of 30, 60, 95, 125, 150, and 200 gpm @ 100 psi (110-230-360-470-570-750 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Rocker lug 1.5" NH full-time swivel coupling is standard. FM Approved
FTS200LP - LOW PRESSURE VERSION. Same as FTS200P above, but operates at a lower pressure of 75 psi (5 bar). Not FM Approved

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

1.5” 95-250 GPM SERIES (360-950 l/min)

FT250F
FT250S

3.7 lb. (1.7kg)
8.25" (2.1cm)

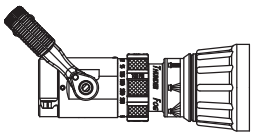


NFPA 1964 COMPLIANT — FM APPROVED

FT250 THUNDERFOG TIP 1.5" NH (38mm) - Selectable gallonage nozzle with five flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. This tip-only design has an “off” position for break-and-extend operations. 1.5" NH rigid rocker lug coupling is standard. FM Approved

FTS250F
FTS250S

5.6 lb. (2.5kg)
10.18" (25.9cm

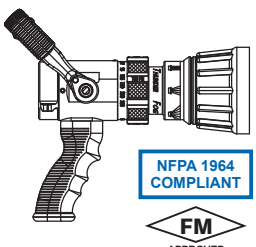


NFPA 1964 COMPLIANT — FM APPROVED

FTS250 THUNDERFOG NOZZLE 1.5" NH (38mm) - Selectable gallonage nozzle with five flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Rocker lug 1.5" NH full-time swivel coupling is standard. FM Approved

FTS250PF
FTS250PS

5.8 lb. (2.5kg)
10.18" (25.9cm)



NFPA 1964 COMPLIANT — FM APPROVED

FTS250P THUNDERFOG W/GRIP 1.5" NH (38mm) - Selectable gallonage nozzle with five flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Rocker lug 1.5" NH full-time swivel coupling is standard. FM Approved

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5” (65mm) THUNDERFOG® SERIES

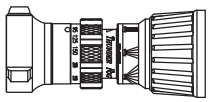
95 - 250 GPM (360 - 950 l/min) — ***Selectable Gallonage***

The Thunderfog is available with a selectable flow range of 95-250 gpm. The 250 series will work with 2.5" or 3" hose lines. All Thunderfogs are NFPA compliant, and are available in tip only configuration, or with stainless steel shut-off ball. All Thunderfogs accept the FJ-MX-FT FOAMJET multi-expansion foam aspirating attachment, and are available with your choice of uniquely cut Fixed aluminum (F) or stainless steel Spinning (S) fog teeth. Metric calibrations available: 360-470-570-750-950 l/min @ 7 bar – consult factory for model numbers.

Model# Suffix: F = Fixed Teeth S = Spinning Teeth

JT250F
JT250S

4.7 lb (2.1kg)
9.37" (23.8cm)



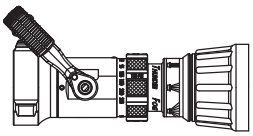
NFPA 1964 COMPLIANT — FM APPROVED

2.5” 95-250 GPM SERIES (360-950 l/min)

JT250 THUNDERFOG TIP 2.5" NH (64mm) - Selectable gallonage nozzle with five flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. This tip only design has an “off” position for break-and-extend operations. 2.5" NH rigid rocker lug coupling is standard. FM Approved

JTS250F
JTS250S

6.0 lb (2.7kg)
11.40” (28.9cm)

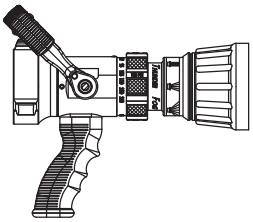


NFPA 1964 COMPLIANT — FM APPROVED

JTS250 THUNDERFOG NOZZLE 2.5" NH (64mm) - Selectable gallonage nozzle with five flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. 2.5" NH swivel rocker lug coupling is standard. FM Approved

JTS250PF
JTS250PS

6.3 lb (2.9kg)
11.40” (28.9cm)



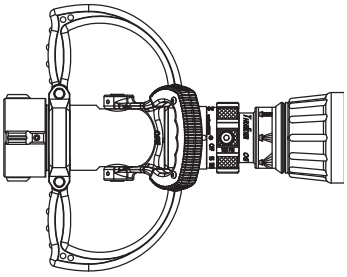
NFPA 1964 COMPLIANT — FM APPROVED

JTS250P THUNDERFOG W/GRIP 2.5" NH (64mm) - Selectable gallonage nozzle with five flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. 2.5" NH swivel rocker lug coupling is standard. FM Approved

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

JTS250PPF
JTS250PPS

9.2 lb (4.2kg)
15.40” (39.1cm)



FM APPROVED

JTS250PP THUNDERFOG PLAYPIPE 2.5" NH (64mm) - Smallest, most compact nozzle/playpipe combination available for use on 2.5" or 3" lines. Selectable gallonage nozzle with five flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/min @ 7 bar). All lightweight materials, hardcoat anodized aluminum. Flush without shutting down. Quick-change rear valve seat and stainless steel shut-off ball. Lightweight hardcoat anodized aluminum alloy for maximum corrosion and wear. Nozzle is attached to valve and is not removable. Rubber coated playpipe handles are designed to reduce fatigue. 2.5" NH full-time swivel rocker lug coupling is standard. FM Approved

There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 232-233 or www.tft.com for additional information.

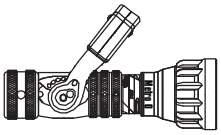
1.0” (25mm) METRO 0 SERIES

Fixed Gallonage

METRO 0 Series - Fixed gallonage nozzle with 7 flow and pressure choices. Delivered with the 100 gpm @ 100 psi (380 l/min @ 7 bar) calibrated flow disc installed. The Metro 0 features flush without shutting down, detent flow control, "Gasket Grabber" inlet screen, patented TFT slide valve, and the rugged dependability you have come to expect from Task Force Tips. The Metro 0 models are available with stainless steel slide valve, and optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1). The Metro 0 accepts the FJ-U, FJ-LX-U low-expansion or FJ-UMX multi-expansion foam attachments.

ME0-V

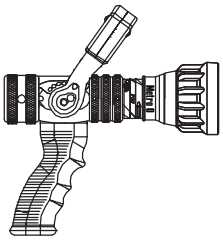
2.1 lb (1.1kg)
9.00" (22.9cm)



ME0-V - METRO 0 NOZZLE 1” NH (25mm) - Fixed gallonage nozzle with 7 flow and pressure choices. Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 1” NH (25mm) full-time swivel knurled coupling is standard.

ME0-VPGI

2.6 lb (1.2kg)
9.00" (22.9cm)



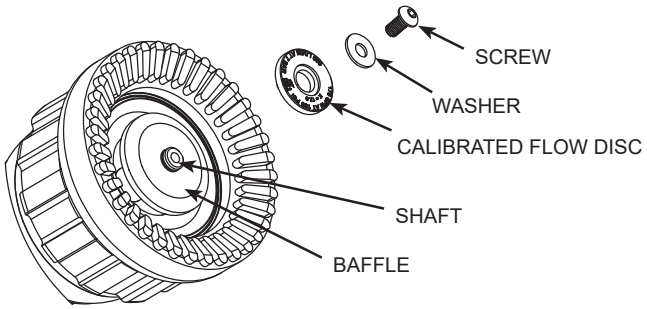
ME0-VPGI - METRO 0 W/GRIP1” NH (25mm) - Fixed gallonage nozzle with 7 flow and pressure choices. Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. 1” NH (25mm) full-time swivel knurled coupling is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

The Nozzle Package Includes These Calibrated Flow Discs.				
100 psi **7 bar**	20 gpm 75 l/min	40 gpm 150 l/min	60 gpm 230 l/min	100 gpm 380 l/min
75 psi **5 bar**	20 gpm 75 l/min	40 gpm 150 l/min	60 gpm 230 l/min	

The discs are marked with various flow settings. Change flow disc to the desired setting. The nozzle will flow the indicated amount when the pressure at the nozzle is at the indicated level.

Custom Flow and Pressure combinations are available upon request.



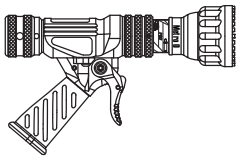
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.0” (25mm) METRO 0
WITH IMPULSE™ TRIGGER VALVE SYSTEM ***Fixed Gallonage***

METRO 0 With Impulse™ Trigger Valve System - Fixed gallonage nozzle with 7 flow & pressure choices. Delivered with the 100 gpm @ 100 psi (380 l/min @ 7 bar) calibrated flow disc installed. The Metro 0 features flush without shutting down, "Gasket Grabber" inlet screen, trigger operated slide valve, and the rugged dependability you have come to expect from Task Force Tips. The Metro 0 models are available with stainless steel slide valve, and optional colored pistol grip (NFPA 1901 (A.16.9.1). The Metro 0 Impulse accepts the FJ-U, FJ-LX-U low-expansion or FJ-UMX multi-expansion foam attachments.

ME0-TPGI

3.5 lb (1.6kg)
11.25" (28.6cm)



ME0-TPGI - METRO 0 WITH IMPULSE TRIGGER VALVE SYSTEM 1” NH (25mm) - Fixed gallonage nozzle with 4 flow choices. Includes flush without shutting down, trigger operated slide valve for turbulence-free flow control, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. 1” NH (25mm) full-time swivel knurled coupling is standard.

FOLDING PISTOL GRIP IS NOT AVAILABLE ON THIS MODEL
COLORED GRIP OVERLAYS ARE AVAILABLE. SEE PAGE 220 FOR KITS.

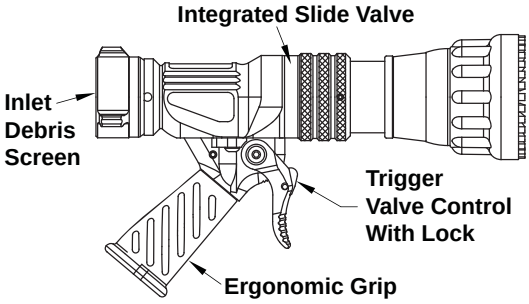
The Nozzle Package Includes These Calibrated Flow Discs.				
100 psi 7 bar	20 gpm 75 l/min	40 gpm 150 l/min	60 gpm 230 l/min	100 gpm 380 l/min
75 psi 5 bar	20 gpm 75 l/min	40 gpm 150 l/min	60 gpm 230 l/min	

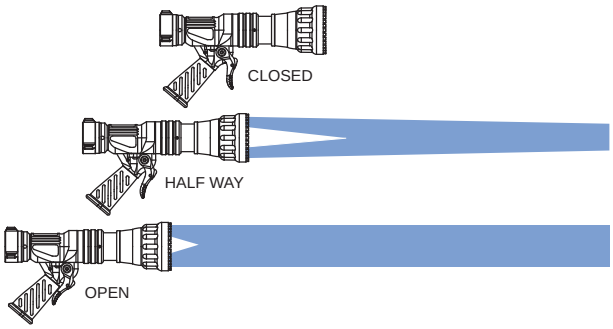
The discs are marked with various flow settings. Change flow disc to the desired setting. The nozzle will flow the indicated amount when the pressure at the nozzle is at the indicated level.

Custom Flow and Pressure combinations are available upon request.

IMPULSE™ TRIGGER VALVE SYSTEM

The innovative integration of a trigger actuator with TFT’s globally recognized slide style of valve, provides complete nozzle operator flow control with only a single hand, allowing the other hand to consistently control stream pattern selection. The trigger controller operates smoothly and easily throughout the nozzle’s rated flow and pressure range, and offers the ability to hold multiple valve positions at the operator’s discretion. The unique ergonomic pistol grip compliments the trigger valve design and greatly reduces operator fatigue.





- Ergonomic Pistol Grip w/available color coding
- Trigger Valve Controller w/optional flow lock
- Integrated Slide Style Shut Off Valve
- Front Protective Bumper with Molded Rubber Fog Tooth

There are additional models in this series, not listed here, that have international certifications and approvals. Please refer to pages 232-233 or www.tft.com for additional information.

1.5” (38mm) METRO 1 SERIES

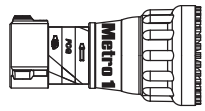
Fixed Gallonage

METRO 1 Series - Fixed gallonage nozzle with 14 flow and pressure choices. ***Delivered with the 200 gpm @ 75 psi (760 l/min @ 5 bar) calibrated flow disc installed.*** *The Metro 1 features flush without shutting down, your choice of molded rubber bumper with "power fog" teeth or stainless steel spinning teeth, detent flow control, "Gasket Grabber" inlet screen, patented TFT slide valve, and the rugged dependability you have come to expect from Task Force Tips. The Metro 1 models are available in tip-only configuration, or with stainless steel slide valve, and optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1). The Metro 1 accepts the FJ-HM, FJ-LX-HM low-expansion or FJ-MX-HM multi-expansion foam attachments and is NFPA compliant. All models are available with your choice of fixed rubber teeth or stainless steel spinning (s) fog teeth.*

Model# Suffix: S = Spinning Teeth

ME1-TO
ME1-TOS

2.4 lb (1.1kg)
7.10" (18.0cm)

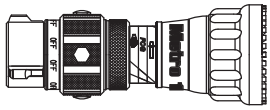


NFPA 1964 COMPLIANT

ME1-TO - METRO 1 TIP 1.5" NH (38mm) -Fixed gallonage tip with 14 flow / pressure choices and flush without shutting down. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off and must be used with a separate valve or valved playpipe. 1.5" NH (38mm) rigid rocker lug coupling is standard.

ME1-STO
ME1-STOS

3.4 lb (1.5kg)
10.00" (25.4cm)

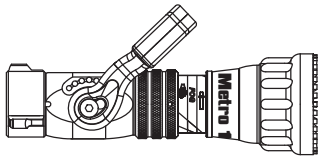


NFPA 1964 COMPLIANT

ME1-STO - METRO 1 TIP/TWIST-OFF 1.5" NH (38mm) - Fixed gallonage nozzle with 14 flow and pressure choices. Includes patented twist slide-type valve for turbulence-free flow control, flush without shutting down, and "Gasket Grabber" inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. May be used with a separate valve or playpipe. Ideal for break-and-extend operations. 1.5" NH (38mm) rigid rocker lug coupling is standard.

ME1-V
ME1-VS

4.5 lb (2.1kg)
11.50" (29.2cm)

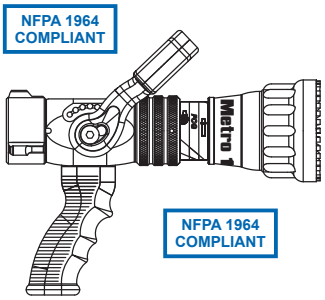


NFPA 1964 COMPLIANT

ME1-V - METRO 1 NOZZLE 1.5" NH (38mm) - Fixed gallonage nozzle with 14 flow and pressure choices. Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, and "Gasket Grabber" inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 1.5" NH (38mm) full-time swivel rocker lug coupling is standard.

ME1-VPGI
ME1-VPGIS

4.9 lb (2.2kg)
11.50" (29.2cm)



NFPA 1964 COMPLIANT

ME1-VPGI - METRO 1 W/GRIP1.5" NH (38mm) - Fixed gallonage nozzle with 14 flow and pressure choices. Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, and "Gasket Grabber" inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. 1.5" NH (38mm) full-time swivel rocker lug coupling is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

The nozzle package includes these calibrated flow discs.						
50 psi **3 bar**		185 gpm * 700 l/min	150 gpm 565 l/min	125 gpm 475 l/min	95gpm 360 l/min	
75 psi **5 bar**	200 gpm 760 l/min	175 gpm 660 l/min	150 gpm 565 l/min	125 gpm 475 l/min		60 gpm 227 l/min
100 psi **7 bar**	200 gpm** 760 l/min	175 gpm 660 l/min	150 gpm 565 l/min	125 gpm 475 l/min	95 gpm 360 l/min	60 gpm 227 l/min

* Available in the TO Model only

** Available in the STO, V and VPGI Model only

The discs are marked with various flow settings. Change flow disc to the desired setting. The nozzle will flow the indicated amount when the pressure at the nozzle is at the indicated level.

Custom Flow and Pressure combinations are available upon request.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

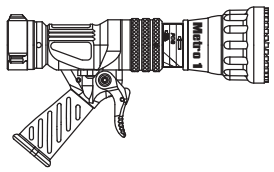
1.5” (38mm) METRO 1
WITH IMPULSE™ TRIGGER VALVE SYSTEM — ***Fixed Gallonage***

METRO 1 With Impulse™ Trigger Valve System - Fixed gallonage nozzle with 14 flow and pressure choices. ***Delivered with the 200 gpm @ 75 psi (760 l/min @ 5 bar) calibrated flow disc installed.*** *The Metro 1 features flush without shutting down, your choice of molded rubber bumper with "power fog" teeth or stainless steel spinning teeth, "Gasket Grabber" inlet screen, trigger operated slide valve, and the rugged dependability you have come to expect from Task Force Tips. The Metro 1 Impulse has optional colored pistol grips available (NFPA 1901 (A.16.9.1). The Metro 1 Impulse accepts the FJ-HM, FJ-LX-HM low-expansion or FJ-MX-HM multi-expansion foam attachments.*

Model# Suffix: S = Spinning Teeth

ME1-TPGI
ME1-TPGIS

5.0 lb (2.3kg)
13.00" (33.0cm)



ME1-TPGI - METRO 1 WITH IMPULSE TRIGGER VALVE SYSTEM 1.5" NH (38mm) - Fixed gallonage nozzle with 14 flow and pressure choices. Includes flush without shutting down, trigger operated slide valve for turbulence-free flow control, and "Gasket Grabber" inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. 1.5" NH (38mm) full-time swivel rocker lug coupling is standard.

FOLDING PISTOL GRIP IS NOT AVAILABLE ON THIS MODEL
COLORED GRIP OVERLAYS ARE AVAILABLE. SEE PAGE 220 FOR KITS.

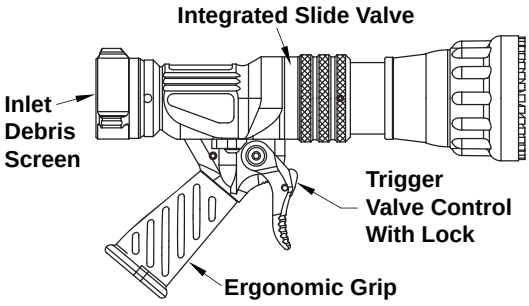
The nozzle package includes these calibrated flow discs.						
50 psi 3 bar			150 gpm 565 l/min	125 gpm 475 l/min	95gpm 360 l/min	
75 psi 5 bar	200 gpm 760 l/min	175 gpm 660 l/min	150 gpm 565 l/min	125 gpm 475 l/min		60 gpm 227 l/min
100 psi 7 bar	200 gpm 760 l/min	175 gpm 660 l/min	150 gpm 565 l/min	125 gpm 475 l/min	95 gpm 360 l/min	60 gpm 227 l/min

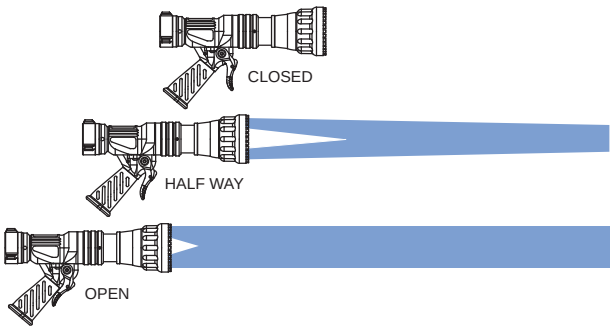
The discs are marked with various flow settings. Change flow disc to the desired setting. The nozzle will flow the indicated amount when the pressure at the nozzle is at the indicated level. Fixed tooth model shown.

Custom Flow and Pressure combinations are available upon request.

IMPULSE™ TRIGGER VALVE SYSTEM

The innovative integration of a trigger actuator with TFT’s globally recognized slide style of valve, provides complete nozzle operator flow control with only a single hand, allowing the other hand to consistently control stream pattern selection. The trigger controller operates smoothly and easily throughout the nozzle’s rated flow and pressure range, and offers the ability to hold multiple valve positions at the operator’s discretion. The unique ergonomic pistol grip compliments the trigger valve design and greatly reduces operator fatigue.





- Ergonomic Pistol Grip w/available color coding
- Trigger Valve Controller w/optional flow lock
- Integrated Slide Style Shut Off Valve
- Front Protective Bumper with Multiple Fog Tooth Designs

There are additional models in this series, not listed here, that have international certifications and approvals. Please refer to pages 232-233 or www.tft.com for additional information.

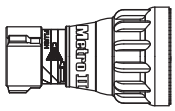
1.5” (38mm) METRO 2 SERIES

Fixed Gallonage

METRO 2 Series Fixed gallonage nozzle with 10 flow and pressure choices. ***Delivered with the 250 gpm @ 50 psi (950 l/min @ 3 bar) calibrated flow disk installed****. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. All Metro 2’s are available in tip only configuration, or with ball shut-off, and optional colored pistol grips and handle covers (NFPA 1901 (A.16.9.1). The Metro 2 accepts either the FJ-H low-expansion or FJ-HMX multi-expansion foam attachments.*

ME2-TO

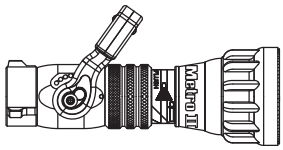
3.8 lb (1.7kg)
7.60" (19.3cm)



ME2-TO - METRO 2 TIP 1.5” NH (38mm) - Fixed gallonage nozzle for use with separate valve or valved playpipe. Fixed flow tip with 10 flow and pressure choices. The METRO 2 includes a flush without shutting down, molded rubber teeth for full-fill “power fog” pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off and must be used with a separate valve or valved playpipe. 1.5” NH (38mm) rigid rocker lug coupling is standard.

ME2-V

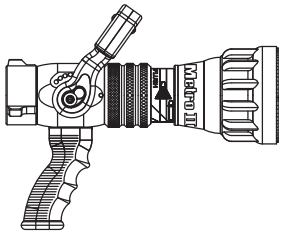
6.3 lb (2.9kg)
12.70" (32.3cm)



ME2-V - METRO 2 NOZZLE 1.5" NH (38mm) - Fixed gallonage nozzle with 10 flow and pressure choices. The METRO 2 includes a flush without shutting down, ball valve shut-off and molded rubber teeth for full-fill “power fog” pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 1.5” NH (38mm) full-time swivel rocker lug coupling is standard.

ME2-VPGI

6.6 lb (2.9kg)
12.70" (32.3cm)



ME2-VPGI - METRO 2 W/GRIP 1.5" NH (38mm) - Fixed gallonage nozzle with 10 flow and pressure choices. The METRO 2 includes a flush without shutting down, ball valve shut-off and molded rubber teeth for full-fill “power fog” pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. 1.5” NH (38mm) full-time swivel rocker lug coupling is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

The nozzle package includes these calibrated flow discs.

50 psi **3 bar**		250 gpm 950 l/min		185 gpm 700 l/min			
75 psi **5 bar**		250 gpm 950 l/min	200 gpm 750 l/min	185 gpm 700 l/min		125 gpm 475 l/min	
100 psi **7 bar**	325 gpm 1230 l/min	250 gpm 950 l/min			175 gpm 660 l/min		95 gpm 360 l/min

The flow discs are marked with various flow settings. Change flow disc to the desired setting. The nozzle will flow the indicated amount when the pressure at the nozzle is at the indicated level.

Custom Flow and Pressure combinations are available upon request.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

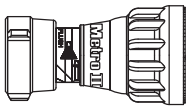
2.5” (65mm) METRO 2 SERIES

Fixed Gallonage

METRO 2 Series Fixed gallonage nozzle with 10 flow and pressure choices. ***Delivered with the 250 gpm @ 50 psi (950 l/min @ 3 bar) calibrated flow disk installed****. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. All Metro 2’s are available in tip only configuration, or with ball shut-off, and optional colored pistol grips and handle covers (NFPA 1901 (A.16.9.1). The Metro 2 accepts either the FJ-H low-expansion or FJ-HMX multi-expansion foam attachments.*

ME2-2TO

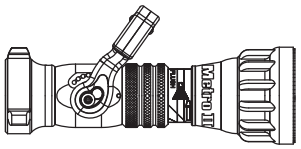
4.2 lb (1.9kg)
8.30" (21.1cm)



ME2-2TO - METRO 2 TIP 2.5” NH (65mm) - Fixed gallonage nozzle for use with separate valve or valved playpipe. Fixed flow tip with 10 flow and pressure choices. The METRO 2 includes a flush without shutting down, molded rubber teeth for full-fill “power fog” pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off and must be used with a separate valve or valved playpipe. 2.5” NH (65mm) rigid rocker lug coupling is standard.

ME2-2V

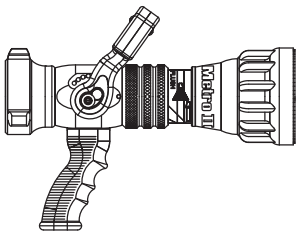
6.8 lb (3.1kg)
13.60" (34.5cm)



ME2-2V - METRO 2 NOZZLE 2.5" NH (65mm) - Fixed gallonage nozzle with 10 flow and pressure choices. The METRO 2 includes a flush without shutting down, ball valve shut-off and molded rubber teeth for full-fill “power fog” pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 2.5” NH (65mm) full-time swivel rocker lug coupling is standard.

ME2-2VPGI

7.0 lb (3.2kg)
13.60" (34.5cm)

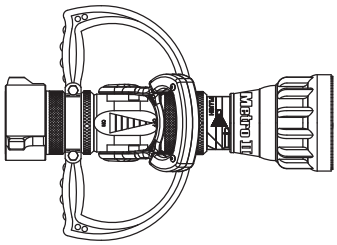


ME2-2VPGI - METRO 2 W/GRIP 2.5" NH (65mm) - Fixed gallonage nozzle with 10 flow and pressure choices. The METRO 2 includes a flush without shutting down, ball valve shut-off and molded rubber teeth for full-fill “power fog” pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. 2.5” NH (65mm) full-time swivel rocker lug coupling is standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

ME2-BLITZ

9.7 lb (4.4kg)
15.50" (39.4cm)



ME2-BLITZ - METRO 2 PLAYPIPE 2.5"NH (65mm) - Fixed gallonage nozzle / playpipe combination with ball valve shut-off. Fixed flow tip with 10 flow and pressure choices. The METRO 2 includes a flush without shutting down, molded rubber teeth for full-fill “power fog” pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Nozzle is attached to valve and is not removable. Rubber coated handles are designed to reduce fatigue. 2.5" NH (65mm) full-time swivel rocker lug coupling is standard.

The nozzle package includes these calibrated flow discs.							
50 psi **3 bar**		250 gpm 950 l/min		185 gpm 700 l/min			
75 psi **5 bar**		250 gpm 950 l/min	200 gpm 750 l/min	185 gpm 700 l/min		125 gpm 475 l/min	
100 psi **7 bar**	325 gpm 1230 l/min	250 gpm 950 l/min			175 gpm 660 l/min		95 gpm 360 l/min

The flow discs are marked with various flow settings. Change flow disc to the desired setting. The nozzle will flow the indicated amount when the pressure at the nozzle is at the indicated level.

Custom Flow and Pressure combinations are available upon request.

There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 232-233 or www.tft.com for additional information.

1” (25mm) ULTIMATIC 125 SERIES

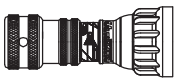
10-125 GPM (40-500 l/min) 10-100 GPM (40-400 l/min) low pressure ***Automatic***

The TFT ULTIMATIC 125 has an unprecedented flow range of 10-125 gpm (40-500 l/min). The compact size and reduced weight of this automatic nozzle make it an outstanding performer for 1" (25mm) as well as 1.5" (38mm) hose. The ULTIMATIC 125 features flush without shutting down, molded rubber bumper with "power fog" teeth, detent flow control, "Gasket Grabber" inlet screen, patented TFT slide valve, optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1) and the rugged dependability you have come to expect from Task Force Tips. The ULTIMATIC 125 is available in several configurations for a wide variety of applications. It is adjustable from a straight stream to a dense fog pattern. All ULTIMATIC 125 series of nozzles are suitable for use with foam and accept either the FJ-U or FJ-LX-U FOAMJET low-expansion or the FJ-UMX FOAMJET multi-expansion foam attachments..

Model# Suffix: L = Low Pressure 75 psi

B-TO
BL-TO

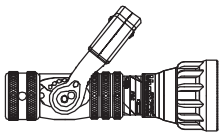
1.5 lb (0.7kg)
7.20" (18.3cm)



B-TO ULTIMATIC TIP 1.0" NH (25mm) - Full automatic 100 psi (7 bar) nozzle with a flow range of 10-125 gpm (40-500 l/min). Tip does not shut off and must be used with a separate valve or valved playpipe. 1.0” (25mm) rigid knurled coupling is standard.
BL-TO ULTIMATIC TIP - LOW PRESSURE VERSION. Same as B-TO, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 10-100 gpm (40-400 l/min).

B-BH
BL-BH

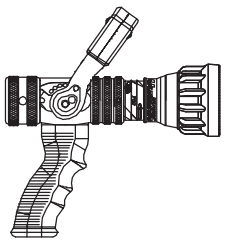
2.1 lb (1.1kg)
9.00" (22.9cm)



B-BH ULTIMATIC NOZZLE 1" NH (25mm) - Full automatic 100 psi (7 bar) nozzle for use on 3/4" (19mm) or 1" (25mm) hose. Flow range of 10-125 gpm (40-500 l/min). Includes flush without shutting down, six position detent flow control slide valve, “Gasket Grabber” inlet screen, and molded rubber bumper with “power fog” teeth. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 1" NH (25mm) full-time swivel is standard.
BL-BH ULTIMATIC NOZZLE - LOW PRESSURE VERSION. Same as B-BH, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 10-100 gpm (40-400 l/min).

B-BGH
BL-BGH

2.6 lb (1.2kg)
9.00" (22.9cm)



B-BGH ULTIMATIC W/GRIP 1" NH (25mm) - Full automatic 100 psi (7 bar) nozzle for use on 3/4" (19mm) or 1" (25mm) hose. Flow range of 10-125 gpm (40-500 l/min). Includes pistol grip mounted below the valve, flush without shutting down, six position detent flow control slide valve, “Gasket Grabber” inlet screen, and molded rubber bumper with “power fog” teeth. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 1" NH (25mm) full-time swivel is standard.
BL-BGH ULTIMATIC W/GRIP - LOW PRESSURE VERSION. Same as B-BGH above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 10-100 gpm (40-400 l/min).

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5” (38mm) ULTIMATIC 125 SERIES

10-125 GPM (40-500 l/min) 10-100 GPM (40-400 l/min) low pressure ***Automatic***

The TFT ULTIMATIC 125 has an unprecedented flow range of 10-125 gpm (40-500 l/min). The compact size and reduced weight of this automatic nozzle make it an outstanding performer for 1" (25mm) as well as 1.5" (38mm) hose. The ULTIMATIC 125 features flush without shutting down, molded rubber bumper with "power fog" teeth, detent flow control, "Gasket Grabber" inlet screen, patented TFT slide valve, optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1) and the rugged dependability you have come to expect from Task Force Tips. The ULTIMATIC 125 is available in several configurations for a wide variety of applications. It is adjustable from a straight stream to a dense fog pattern. All ULTIMATIC 125 series of nozzles are suitable for use with foam and accept either the FJ-U or FJ-LX-U FOAMJET low-expansion or the FJ-UMX FOAMJET multi-expansion foam attachments.

Model# Suffix: L = Low Pressure 75 psi

BTO-125
BTOL-125

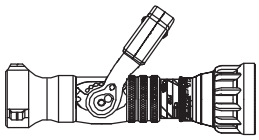
1.8 lb (0.7kb)
8.50" (21.6cm)



BTO-125 ULTIMATIC TIP 1.5" NH (38mm) - Full automatic 100 psi (7 bar) nozzle with a flow range of 10-125 gpm (40-500 l/min). Tip does not shut off and must be used with a separate valve or valved playpipe. 1.5” (38mm) rigid rocker lug-coupling is standard.
BTOL-125 ULTIMATIC TIP - LOW PRESSURE VERSION. Same as BTO-125, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 10-100 gpm (40-400 l/min).

BH-125
BHL-125

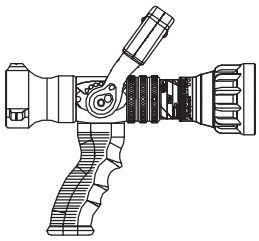
3.0 lb (1.4kg)
10.50" (26.7cm)



BH-125 ULTIMATIC NOZZLE 1.5" NH (38mm) - Full automatic 100 psi (7 bar) nozzle with 1.5" (38mm) coupling and thread. Flow range of 10-125 gpm (40-500 l/min). Includes flush without shutting down, six position detent flow control slide valve, “Gasket Grabber” inlet screen, and molded rubber bumper with “power fog” teeth. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Rocker lug 1.5" NH (38mm) full-time swivel coupling is standard.
BHL-125 ULTIMATIC NOZZLE LOW PRESSURE VERSION WITH 1.5" (38mm) COUPLING. Same as BH-125 above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 10-100 gpm (40-400 l/min).

BGH-125
BGHL-125

3.2 lb (1.5kg)
10.50" (26.7cm)



BGH-125 ULTIMATIC W/GRIP 1.5" NH (38mm) - Full automatic 100 psi (7 bar) nozzle with 1.5" (38mm) coupling and thread. Flow range of 10-125 gpm (40-500 l/min). Includes pistol grip mounted below the valve, flush without shutting down, six position detent flow control slide valve, “Gasket Grabber” inlet screen, and molded rubber bumper with “power fog” teeth. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Rocker lug 1.5" NH (38mm) full-time swivel coupling is standard.
BGHL-125 ULTIMATIC W/GRIP - LOW PRESSURE VERSION WITH 1.5" (38mm) COUPLING. Same as BGH-125 above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 10-100 gpm (40-400 l/min).

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
BP20-052	Ultimatic w/grip ¾”BSP Inlet	40-500 l/min @ 7 bar w/flashover setting
BP20-057	Ultimatic w/grip 1.0”BSP Inlet	40-500 l/min @ 7 bar w/flashover setting
BP20-058	Ultimatic w/grip 1.5””BSP Inlet	150-500 l/min @ 7 bar w/flashover setting
BP20-092	Ultimatic w/grip 1.5”BSP Male Inlet	40-400 l/min @ 6 bar w/flashover setting
BP20-110	Ultimatic w/grip 2.0” BSP Male Inlet	40-400 l/min @ 6bar w/flashover setting
BP20-111	Ultimatic w/grip 2.5” BIC Male Inlet	40-400 l/min @ 6 bar w/flashover setting

There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 232-233 or www.tft.com for additional information.

1" (25mm) & 1.5" (38mm) ULTIMATIC 125 NOZZLES

WITH IMPULSE™ TRIGGER VALVE SYSTEM ***Automatic***

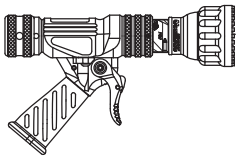
10-125 GPM (40-500 l/min) 10-100 GPM (40-400 l/min) low pressure

The TFT ULTIMATIC 125 With Impulse™ Trigger Valve System has an unprecedented flow range of 10-125 gpm (40-500 l/min). The compact size and reduced weight of this automatic nozzle make it an outstanding performer for 1" (25mm) as well as 1.5" (38mm) hose. The ULTIMATIC 125 Impulse features flush without shutting down, molded rubber bumper with "power fog" teeth, "Gasket Grabber" inlet screen, trigger operated slide valve, optional colored pistol grip (NFPA 1901 (A.16.9.1) and the rugged dependability you have come to expect from Task Force Tips. The ULTIMATIC 125 Impulse is available in several configurations for a wide variety of applications. It is adjustable from a straight stream to a dense fog pattern. All ULTIMATIC 125 Impulse nozzles are suitable for use with foam and accept either the FJ-U or F-LX-U FOAMJET low-expansion or the FJ-UMX FOAMJET multi-expansion foam attachments.

Model# Suffix: H = High Pressure 800 psi L = Low Pressure 75 psi

B-BGT
BH-BGT
BL-BGT

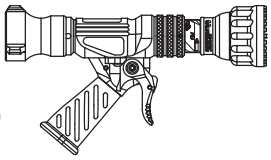
3.5 lb (1.6kg)
11.25" (28.6cm)



B-BGT ULTIMATIC 125 WITH IMPULSE TRIGGER VALVE SYSTEM 1" NH (25mm) - Full automatic 100 psi (7 bar) nozzle for use on 3/4" (19mm) or 1" (25mm) hose. Flow range of 10-125 gpm (40-500 l/min). Includes pistol grip mounted below the valve, flush without shutting down, trigger operated slide valve, "Gasket Grabber" inlet screen, and molded rubber bumper with "power fog" teeth. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 1" NH (25mm) full-time swivel is standard.
BH-BGT ULTIMATIC 125 WITH IMPULSE TRIGGER VALVE SYSTEM - HIGH PRESSURE VERSION. Same as B-BGT above, but operates at a high pressure up to 800 psi (55 bar). Flow range is 10-70 gpm @ 100 psi (40-250 l/min @ 7 bar).
BL-BGT ULTIMATIC 125 WITH IMPULSE TRIGGER VALVE SYSTEM - LOW PRESSURE VERSION. Same as B-BGT above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 10-100 gpm (40-400 l/min).

BGT-125
BGTL-125

3.5 lb (1.6kg)
11.25" (28.6cm)



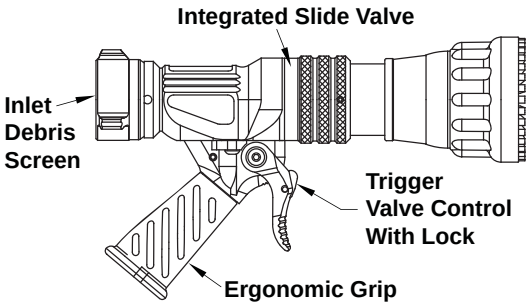
BGT-125 ULTIMATIC 125 WITH IMPULSE TRIGGER VALVE SYSTEM 1.5" NH (38mm) - Full automatic 100 psi (7 bar) nozzle with 1.5" (38mm) coupling and thread. Flow range of 10-125 gpm (40-500 l/min). Includes pistol grip mounted below the valve, flush without shutting down, trigger operated slide valve, "Gasket Grabber" inlet screen, and molded rubber bumper with "power fog" teeth. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Rocker lug 1.5" NH (38mm) full-time swivel coupling is standard.
BGTL-125 ULTIMATIC 125 WITH IMPULSE TRIGGER VALVE SYSTEM - LOW PRESSURE VERSION WITH 1.5" (38mm) COUPLING. Same as BGT125 above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 10-100 gpm (40-400 l/min).

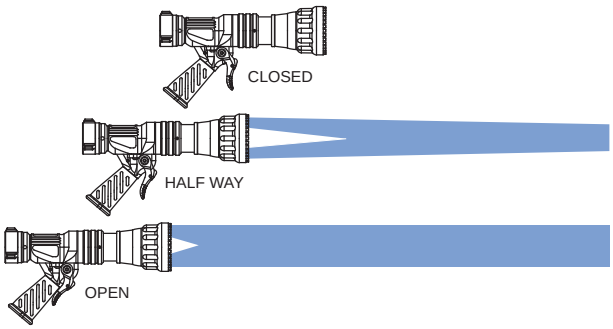
FOLDING PISTOL GRIP IS NOT AVAILABLE ON THIS MODEL.
COLORED GRIP OVERLAYS ARE AVAILABLE. SEE PAGE 219 FOR KITS.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

IMPULSE™ TRIGGER VALVE SYSTEM

The innovative integration of a trigger actuator with TFT’s globally recognized slide style of valve, provides complete nozzle operator flow control with only a single hand, allowing the other hand to consistently control stream pattern selection. The trigger controller operates smoothly and easily throughout the nozzle’s rated flow and pressure range, and offers the ability to hold multiple valve positions at the operator’s discretion. The unique ergonomic pistol grip compliments the trigger valve design and greatly reduces operator fatigue.





- Ergonomic Pistol Grip w/available color coding
- Trigger Valve Controller w/optional flow lock
- Integrated Slide Style Shut Off Valve
- Front Protective Bumper with Molded Rubber Fog Tooth

1.5” (38mm) MID-MATIC SERIES

70 - 200 GPM (260 - 760 l/min)

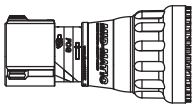
Mid-Range Automatic

With a wide flow range of 70-200 gpm (260-760 l/min), the Mid-Matic series can be used on 1.5" (38mm), 1.75" (45mm) and 2" (52mm) hose. The Mid-Matic features flush without shutting down, your choice of molded rubber bumper with "power fog" teeth or stainless steel spinning teeth, detent flow control, "Gasket Grabber" inlet screen, patented TFT slide valve, and the rugged dependability you have come to expect from Task Force Tips. Mid-Matic models are fully NFPA compliant, and are available in tip-only configuration, or with stainless steel slide valve, and optional colored pistol grip and handle covers (NFPA 1901 (A16.9.1). All Mid-Matic nozzles accept the FJ-LX-HM or FJ-HM low-expansion or the FJ-MX-HM multi-expansion foam attachments. All models are available with fixed rubber teeth or stainless steel spinning (s) fog teeth.

Model# Suffix: S = Spinning Teeth L = Low Pressure 75 psi K = Low Pressure 55 psi

HM-TO
HM-TOS
HML-TO
HML-TOS
HMK-TO
HMK-TOS

2.3 lb (1.0kg)
7.20" (18.3cm)



NFPA 1964 COMPLIANT

FM APPROVED

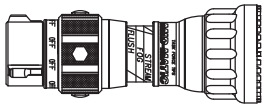
HM-TO MID-MATIC TIP 100 PSI 1.5" NH (38mm) - Automatic nozzle for use with separate valve or valved playpipe. Full automatic 100 psi (7 bar) pressure control with a flow capacity of 70-200 gpm (260-760 l/min). Includes flush without shutting down, and lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off and must be used with a separate valve or valved playpipe. 1.5" NH (38mm) rigid rocker lug-coupling is standard. FM Approved

HML-TO LOW PRESSURE 75 PSI VERSION. Same as HM-TO above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 70-200 gpm (260-760 l/min). Not FM Approved

HMK-TO LOW PRESSURE 55 PSI VERSION. Same as HM-TO above, but operates at a lower pressure of approximately 55 psi (3 bar). Flow range is 70-180 gpm (260-680 l/min). Not FM Approved

HM-STO
HM-STOS
HML-STO
HML-STOS
HMK-STO
HMK-STOS

3.5 lb (1.6kg)
10.00" (25.4cm)



NFPA 1964 COMPLIANT

FM APPROVED

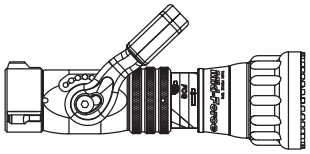
HM-STO MID-MATIC TIP/TWIST-OFF 100 PSI 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 70-200 gpm (260-760 l/min). Includes patented twist slide-type valve for turbulence-free flow control, flush without shutting down and is lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 1.5" NH (38mm) rigid rocker lug coupling is standard. May be used with a separate valve or playpipe. Ideal for break-and-extend operations. 1.5" NH (38mm) rigid rocker lug coupling is standard. FM Approved

HML-STO - LOW PRESSURE 75 PSI VERSION. Same as HM-STO above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 70-200 gpm (260-760 l/min). Not FM Approved

HMK-STO - LOW PRESSURE 55 PSI VERSION. Same as HM-STO above, but operates at a lower pressure of approximately 55 psi (3 bar). Flow range is 70-180 gpm (260-680 l/min). Not FM Approved

HM-V
HM-VS
HML-V
HML-VS
HMK-V
HMK-VS

4.5 lb (2.1kg)
11.50" (29.2cm)



NFPA 1964 COMPLIANT

FM APPROVED

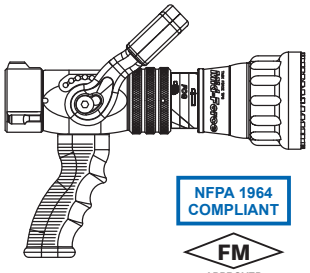
HM-V MID-MATIC NOZZLE 100 PSI 1.5" NH (38mm) - Automatic with a flow capacity of 70-200 gpm (260-760 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Rocker lug 1.5" NH (38mm) full-time swivel coupling is standard. FM Approved

HML-V - LOW PRESSURE VERSION. Same as HM-V above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 70-200 gpm (260-760 l/min).

HMK-V - LOW PRESSURE 55 PSI VERSION. Same as HM-V above, but operates at a lower pressure of approximately 55 psi (3 bar). Flow range is 70-180 gpm (260-680 l/min). Not FM Approved

HM-VPGI
HM-VPGIS
HML-VPGI
HML-VPGIS
HMK-VPGI
HMK-VPGIS

4.8 lb (2.2kg)
11.50" (29.2cm)



NFPA 1964 COMPLIANT

FM APPROVED

HM-VPGI MID-MATIC W/GRIP1.5" NH (38mm) - Automatic pressure control with a flow capacity of 70-200 gpm (260-760 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. 1.5" NH (38mm) full-time swivel rocker lug coupling is standard. FM Approved

HML-VPGI - LOW PRESSURE 75 PSI VERSION. Same as HM-VPGI above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 70-200 gpm (260-760 l/min). Not FM Approved

HMK-VPGI - LOW PRESSURE 55 PSI VERSION. Same as HM-VPGI above, but operates at a lower pressure of approximately 55 psi (3 bar). Flow range is 70-180 gpm (260-680 l/min). Not FM Approved

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5” (38mm) MID-MATIC NOZZLE

WITH IMPULSE™ TRIGGER VALVE SYSTEM
70 - 200 GPM (260 - 760 l/min)

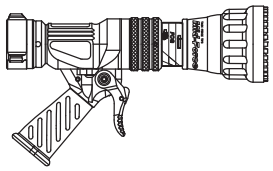
Mid-Range Automatic

With a wide flow range of 70-200 gpm (260-760 l/min), the Mid-Matic series can be used on 1.5" (38mm), 1.75" (45mm) and 2" (52mm) hose. The Mid-Matic features flush without shutting down, your choice of molded rubber bumper with "power fog" teeth or stainless steel spinning teeth, "Gasket Grabber" inlet screen, trigger operated slide valve, and the rugged dependability you have come to expect from Task Force Tips. Mid-Matic Impulse nozzles are available with optional colored pistol grip (NFPA 1901 (A16.9.1). All Mid-Matic Impulse nozzles accept the FJ-LX-HM or FJ-HM low-expansion or the FJ-MX-HM multi-expansion foam attachments.

Model# Suffix: S = Spinning Teeth L = Low Pressure 75 psi K = Low Pressure 55 psi

HM-TPGI
HM-TPGIS
HML-TPGI
HML-TPGIS
HMK-TPGI
HMK-TPGIS

5.1 lb (2.3kg)
13.00" (33.0cm)



HM-TPGI MID-MATIC WITH IMPULSE TRIGGER VALVE SYSTEM 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 70-200 gpm (260-760 l/min). Includes flush without shutting down, trigger operated slide valve for turbulence-free flow control, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. 1.5" NH (38mm) full-time swivel rocker lug coupling is standard.

HML-TPGI - LOW PRESSURE 75 PSI VERSION MID-MATIC WITH IMPULSE TRIGGER VALVE SYSTEM. Same as HM-TPGI above, but operates at a lower pressure of approximately 75 psi (5 bar). Flow range is 70-200 gpm (260-760 l/min). Not FM Approved

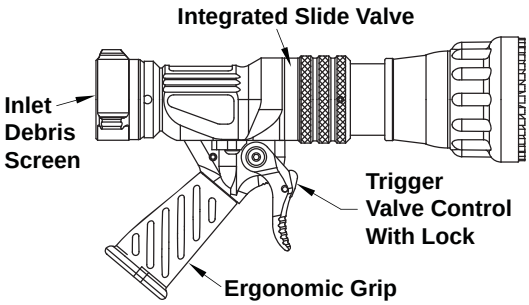
HMK-TPGI - LOW PRESSURE 55 PSI VERSION MID-MATIC WITH IMPULSE TRIGGER VALVE SYSTEM. Same as HM-TPGI above, but operates at a lower pressure of approximately 55 psi (3 bar). Flow range is 70-180 gpm (260-680 l/min). Not FM Approved

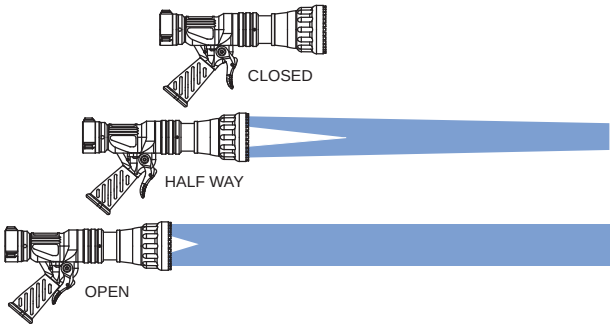
FOLDING PISTOL GRIP IS NOT AVAILABLE ON THIS MODEL
COLORED GRIP OVERLAYS ARE AVAILABLE. SEE PAGE 219 FOR KITS.

There are additional models in this series, not listed here, that have international certifications and approvals. Please refer to pages 232-233 or www.tft.com for additional information.

IMPULSE™ TRIGGER VALVE SYSTEM

The innovative integration of a trigger actuator with TFT’s globally recognized slide style of valve, provides complete nozzle operator flow control with only a single hand, allowing the other hand to consistently control stream pattern selection. The trigger controller operates smoothly and easily throughout the nozzle’s rated flow and pressure range, and offers the ability to hold multiple valve positions at the operator’s discretion. The unique ergonomic pistol grip compliments the trigger valve design and greatly reduces operator fatigue.





- Ergonomic Pistol Grip w/available color coding
- Trigger Valve Controller w/optional flow lock
- Integrated Slide Style Shut Off Valve
- Front Protective Bumper with Multiple Fog Tooth Designs

Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
HMDP21-028	MID-FORCE F06 W/GRIP 1.5"BSP	100-600 L/MIN @ 5 BAR
HMDP21-029	MID-FORCE F06 W/GRIP 2.5"BIC	100-600 L/MIN @ 6 BAR MALE
HMP20-108	MID-MATIC F06 W/GRIP 1.5"BSP	100-600 L/MIN @ 6 BAR
HMP20-109	MID-MATIC F06 W/GRIP 2.5"BIC	100-600 L/MIN @ 6 BAR
HMP20-235	MID-MATIC F06 1.5"BSP RED HANDLE/GRIP	100-500 L/MIN 6 BAR 3 DETENT

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5” (38mm) MID-FORCE SERIES

70 - 200 GPM (265 - 760 l/min) — *Dual Pressure Automatic*

The wide flow range of 70-200 gpm (265-760 l/min) allows the Mid-Force to be used on 1.5" (38mm), 1.75" (45mm) and 2" (52mm) hose. The TFT Mid-Force is a truly rugged, dependable, and effective mid-range firefighting nozzle. This nozzle is equipped with a low pressure override which allows the nozzle to achieve greater flows at lower nozzle pressures. All nozzles are regulated to 100 psi ±15 psi (7 bar ±1 bar) or 75 psi ±15 psi (5 bar ±1 bar) according to NFPA #1964 flow requirements. It is adjustable from a straight stream to a dense fog pattern with your choice of molded rubber fog teeth for full-fill “power fog” pattern or stainless steel spinning teeth. Handle covers and pistol grips are available in NFPA colors to identify a nozzle with its discharge (NFPA 1901 (A.16.9.1). All Mid-Force nozzles accept: the FJ-LX-HM, FJ-HM low-expansion, or the FJ-MX-HM multi-expansion foam attachments.

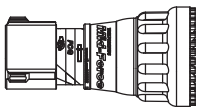
In the standard mode, the Mid-Force Nozzle maintains a 100 psi (7 bar) operating nozzle pressure (75psi / 5bar for low pressure version). The TFT high level of quality, engineered into all our products, allows this nozzle to meet the NFPA #1964 flow requirements for automatic nozzles. This gives you the desired ability to aggressively conduct a hard- hitting fire attack.

With a twist of the knob on the front of the nozzle, you switch to the low pressure mode, which immediately reduces the nozzle's operating pressure to around 55 psi (3 bar) (45psi / 3bar for low pressure version). This exclusive TFT feature provides you with the unique ability to change operating nozzle pressure depending on the situation, thereby allowing maximum flow at a lower nozzle pressure.

Model# Suffix: S = Spinning Teeth L = Low Pressure

HMD-TO
HMD-TOS
HMDL-TO
HMDL-TOS

2.5 lb (1.1kg)
7.20" (18.3cm)

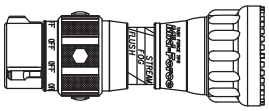


NFPA 1964 COMPLIANT

HMD-TO MID-FORCE TIP 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 70-200 gpm (265-760 l/min) and flush without shutting down. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off and must be used with a separate valve or valved play-pipe. Nozzle may be switched between standard 100 psi (7 bar) and low pressure. 1.5" NH (38mm) rigid rocker lug coupling is standard.
HMDL-TO LOW PRESSURE VERSION. Same as HMD-TO above, but operates at lower pressures of approximately 75 psi (5 bar) / 45 psi (3 bar).

HMD-STO
HMD-STOS
HMDL-STO
HMDL-STOS

3.6 lb (1.6kg)
10.00" (25.4cm)

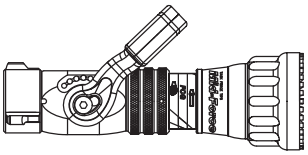


NFPA 1964 COMPLIANT

HMD-STO MID-FORCE TIP/TWIST-OFF 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 70-200 gpm (265-760 l/min). Includes patented twist slide-type valve for turbulence-free flow control, and flush without shutting down. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. May be used with a separate valve or playpipe. Ideal for break-and-extend operations. Nozzle may be switched between standard 100 psi (7 bar) and low pressure. 1.5" NH (38mm) rigid rocker lug coupling is standard.
HMDL-STO LOW PRESSURE VERSION. Same as HMD-STO above, but operates at lower pressures of approximately 75 psi (5 bar) / 45 psi (3 bar).

HMD-V
HMD-VS
HMDL-V
HMDL-VS

4.5 lb (2.1kg)
11.50" (29.2cm)

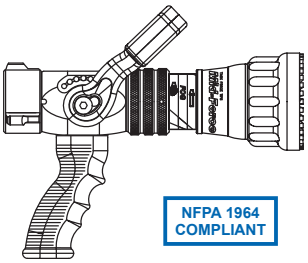


NFPA 1964 COMPLIANT

HMD-V MID-FORCE NOZZLE 1.5" NH (38mm) - Automatic with a flow capacity of 70-200 gpm (265-760 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Nozzle may be switched between standard 100 psi (7 bar) and low pressure. Rocker lug 1.5" NH (38mm) full-time swivel is standard.
HMDL-V LOW PRESSURE VERSION. Same as HMD-V above, but operates at lower pressures of approximately 75 psi (5 bar) / 45 psi (3bar).

HMD-VPGI
HMD-VPGIS
HMDL-VPGI
HMDL-VPGIS

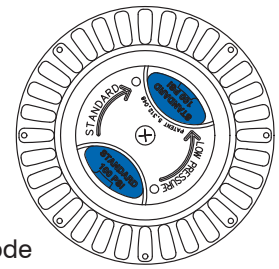
4.9 lb (2.2kg)
11.50" (29.2cm)



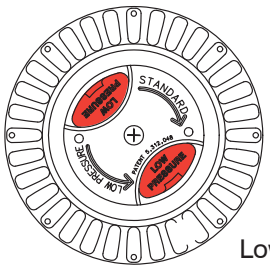
NFPA 1964 COMPLIANT

HMD-VPGI MID-FORCE W/GRIP 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 70-200 gpm (265-760 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. Nozzle may be switched between standard 100 psi (7 bar) and low pressure. 1.5" NH (38mm) swivel rocker lug coupling is standard.
HMDL-VPGI LOW PRESSURE VERSION. Same as HMD-VPGI above, but operates at lower pressures of approximately 75 psi (5 bar) / 45 psi (3 bar).

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 232-233 or www.tft.com for additional information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5” (38mm) MID-FORCE NOZZLE

WITH IMPULSE™ TRIGGER VALVE SYSTEM
70 - 200 GPM (265 - 760 l/min)

Dual Pressure Automatic

The wide flow range of 70-200 gpm (265-760 l/min) allows the Mid-Force Impulse™ With Trigger Valve System to be used on 1.5" (38mm), 1.75" (45mm) and 2" (52mm) hose. The TFT Mid-Force Impulse is a truly rugged, dependable, and effective mid-range firefighting nozzle. This nozzle is equipped with a low pressure override which allows the nozzle to achieve greater flows at lower nozzle pressures. All nozzles are regulated to 100 psi ±15 psi (7 bar ±1 bar) or 75 psi ±15 psi (5 bar ±1 bar) according to NFPA #1964 flow requirements. It is adjustable from a straight stream to a dense fog pattern with your choice of molded rubber fog teeth for full-fill “power fog” pattern or stainless steel spinning teeth. Pistol grips are available in NFPA colors to identify a nozzle with its discharge (NFPA 1901 (A.16.9.1). All Mid-Force Impulse nozzles accept: the FJ-LX-HM, FJ-HM low-expansion, or the FJ-MX-HM multi-expansion foam attachments.

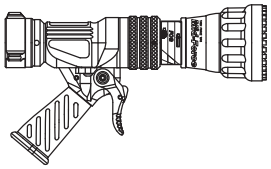
In the standard mode, the Mid-Force Impulse Nozzle maintains a 100 psi (7 bar) operating nozzle pressure (75psi / 5bar for low pressure version). The TFT high level of quality, engineered into all our products, allows this nozzle to meet the NFPA #1964 flow requirements for automatic nozzles. This gives you the desired ability to aggressively conduct a hard- hitting fire attack.

With a twist of the knob on the front of the nozzle, you switch to the low pressure mode, which immediately reduces the nozzle's operating pressure to around 55 psi (3 bar) (45psi / 3bar for low pressure version). This exclusive TFT feature provides you with the unique ability to change operating nozzle pressure depending on the situation, thereby allowing maximum flow at a lower nozzle pressure.

Model# Suffix: S = Spinning Teeth L = Low Pressure

HMD-TPGI
HMD-TPGIS
HMDL-TPGI
HMDL-TPGIS

5.1 lb (2.3kg)
13.00" (33.0cm)

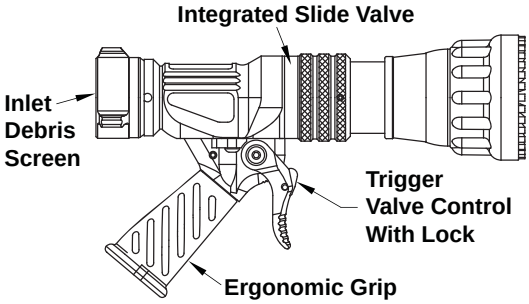


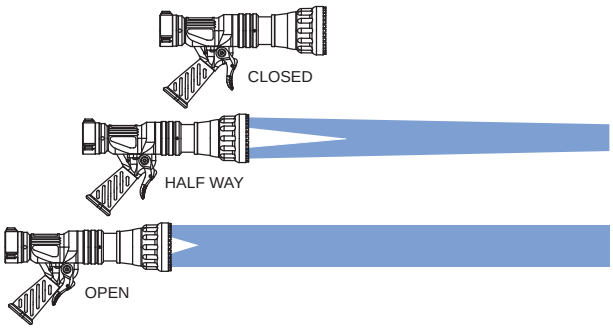
HMD-TPGI MID-FORCE WITH IMPULSE TRIGGER VALVE SYSTEM 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 70-200 gpm (265-760 l/min). Includes flush without shutting down, trigger operated slide valve for turbulence-free flow control, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Pistol grip is mounted below the valve. Nozzle may be switched between standard 100 psi (7 bar) and low pressure. 1.5" NH (38mm) swivel rocker lug coupling is standard.
HMDL-TPGI LOW PRESSURE VERSION. MID-FORCE WITH IMPULSE TRIGGER VALVE SYSTEM Same as HMD-TPGI above, but operates at lower pressures of approximately 75 psi (5 bar) / 45 psi (3 bar).

FOLDING PISTOL GRIP IS NOT AVAILABLE ON THIS MODEL
COLORED GRIP OVERLAYS ARE AVAILABLE. SEE PAGE 219 FOR KITS.

IMPULSE™ TRIGGER VALVE SYSTEM

The innovative integration of a trigger actuator with TFT’s globally recognized slide style of valve, provides complete nozzle operator flow control with only a single hand, allowing the other hand to consistently control stream pattern selection. The trigger controller operates smoothly and easily throughout the nozzle’s rated flow and pressure range, and offers the ability to hold multiple valve positions at the operator’s discretion. The unique ergonomic pistol grip compliments the trigger valve design and greatly reduces operator fatigue.





- Ergonomic Pistol Grip w/available color coding
- Trigger Valve Controller w/optional flow lock
- Integrated Slide Style Shut Off Valve
- Front Protective Bumper with Multiple Fog Tooth Designs

Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
HMDP21-028	Mid-Force w/grip 1.5”BSP Inlet	100-600 l/min @ 6 bar w/flashover setting

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1.5” (38mm) HANDLINE SERIES

95-300 GPM (360-1150 l/min) or 95-250 GPM (360-950 l/min) low pressure

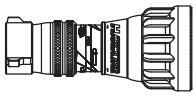
Automatic

A TFT Handline is all conventional handline sizes in one. The wide flow range of 95-300 gpm (360-1150 l/min) allows the Handline to be used on many hose sizes, and this series is an excellent choice for 1.5", 1.75", and 2.0" (38mm, 45mm and 52mm) attack lines. The Handline features flush without shutdown, molded rubber bumper with "power fog" teeth, TFT's patented stainless steel slide valve, and optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1). All TFT Handlines accept the FJ-H low-expansion or the FJ-HMX multi-expansion foam attachments.

L = Low Pressure 75 psi K = Low Pressure 55 psi

H-TO
HL-TO
HK-TO

4.4 lb (2.0kg)
9.75" (23.8cm)



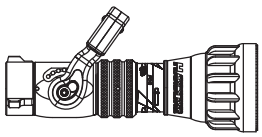
H-TO HANDLINE TIP 1.5" NH (38mm) - Nozzle for use with separate valve or valved playpipe. Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down and molded rubber teeth for full-fill “power fog” pattern. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. Tip does not shut off and must be used with a separate valve or valved playpipe. 1.5" NH (38mm) rigid rocker lug coupling is standard.

HL-TO HANDLINE TIP LOW PRESSURE VERSION - Same as H-TO above, but operates at a low pressure of approximately 75 psi (5 bar). Flow range 95-250 gpm (360-950 l/min).

HK-TO HANDLINE TIP LOW PRESSURE VERSION - Same as H-TO above, but operates at a low pressure of approximately 55 psi (4bar). Flow range 95-225 gpm (360-850 l/min).

H-V
HL-V
HK-V

6.8 lb (3.1kg)
13.00" (33.0cm)



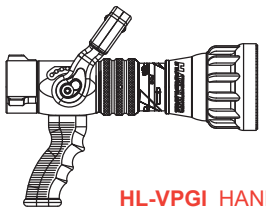
H-V HANDLINE NOZZLE 1.5" NH (38mm) - Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill “power fog”, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 1.5" NH (38mm) rocker lug swivel coupling is standard.

HL-V HANDLINE NOZZLE LOW PRESSURE VERSION - Same as H-V above, but operates at a low pressure of approximately 75 psi (5 bar). Flow range 95-250 gpm (360-950 l/min).

HK-V HANDLINE NOZZLE LOW PRESSURE VERSION - Same as H-V above, but operates at a low pressure of approximately 55 psi (4bar). Flow range 95-225 gpm (360-850 l/min).

H-VPGI
HL-VPGI
HK-VPGI

7.0 lb (3.2kg)
13.00" (33.0cm)



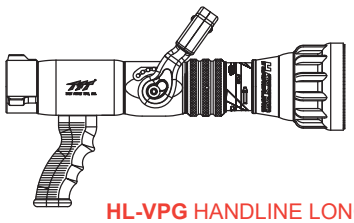
H-VPGI HANDLINE W/GRIP 1.5" NH (38mm) - Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill “power fog”, and “Gasket Grabber” inlet screen. Pistol grip is mounted below the valve. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear.1.5" NH (38mm) rocker lug full-time swivel coupling is standard.

HL-VPGI HANDLINE W/GRIP LOW PRESSURE VERSION - Same as H-VPGI above, but operates at a low pressure of approximately 75 psi (5 bar) . Flow range 95-250 gpm (360-950 l/min).

HK-VPGI HANDLINE W/GRIP LOW PRESSURE VERSION - Same as H-VPGI above, but operates at a low pressure of approximately 55 psi (4bar). Flow range 95-225 gpm (360-850 l/min).

H-VPG
HL-VPG
HK-VPGI

8.7 lb (3.9kg)
17.12" (43.5cm)



H-VPG HANDLINE LONG GRIP 1.5" NH (38mm) - Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill “power fog”, and “Gasket Grabber” inlet screen. Pistol grip is mounted behind the valve. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 1.5" NH (38mm) rocker lug full-time swivel is standard.

HL-VPG HANDLINE LONG GRIP LOW PRESSURE VERSION - Same as H-VPG above, but operates at a low pressure of approximately 75 psi (5 bar). Flow range 95-250 gpm (360-950 l/min).

HK-VPG HANDLINE LONG GRIP LOW PRESSURE VERSION - Same as H-VPG above, but operates at a low pressure of approximately 55 psi (4bar). Flow range 95-225 gpm (360-850 l/min).

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
HP-BLITZ-2.5	Handline with playpipe handles 2.5” BSP Inlet	190-11350 l/min @ 7 bar
HB-PL-BJ	Handline with playpipe handles 2.5” BSP Inlet	300-1000 l/min @ 5 bar
H-PLP-BJ	Handline w/grip 2.5” BSP Inlet	300-1000 l/min @ 5 bar

There are additional models in this series, not listed here, that have international certifications and approvals. Please refer to pages 232-233 or www.tft.com for additional information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5” (65mm) HANDLINE SERIES

95-300 GPM (360-1150 l/min) or 95-250 GPM (360-950 l/min) low pressure

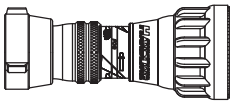
Automatic

A TFT Handline is all conventional handline sizes in one. The wide flow range of 95-300 gpm (360-1150 l/min) allows the Handline to be used on many hose sizes, and this series is an excellent choice for 2.5" (65mm) and 3" (75mm) attack lines. The Handline features flush without shutdown, molded rubber bumper with "power fog" teeth, TFT's patented stainless steel slide valve, optional color-coded pistol grip, handle covers (NFPA 1901 (A.16.9.1) or rubber coated playpipe handles. All TFT Handlines accept the FJ-H low-expansion or the FJ-HMX multi-expansion foam attachments.

L = Low Pressure 75 psi

H-2TO
HL-2TO

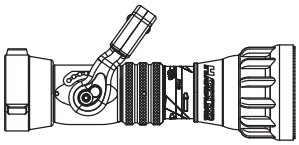
5.0 lb (2.3kg)
10.25" (26.0cm)



H-2TO HANDLINE TIP 2.5" NH (65mm) - Nozzle for use with separate valve or valved playpipe. Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, molded rubber teeth for full-fill “power fog” pattern, and turbulence control. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. Tip does not shut off and must be used with a separate valve or valved playpipe. 2.5" NH (65mm) rigid rocker lug coupling is standard.
HL-2TO HANDLINE TIP LOW PRESSURE VERSION - Same as H-2TO above, but operates at a low pressure of approximately 75 psi (5 bar). Flow range 95-250 gpm (360-950 l/min).

H-2V
HL-2V

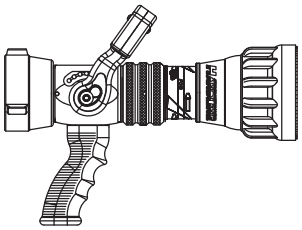
7.3 lb (3.3kg)
13.50" (34.3cm)



H-2V HANDLINE NOZZLE 2.5" NH (65mm) - Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). For direct connection to 2.5" (65mm) hose line. Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill “power fog”, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 2.5" NH (65mm) rocker lug full-time swivel coupling is standard.
HL-2V HANDLINE NOZZLE LOW PRESSURE VERSION - Same as H-2V above, but operates at a low pressure of approximately 75 psi (5 bar). Flow range 95-250 gpm (360-950 l/min).

H-2VPGI
HL-2VPGI

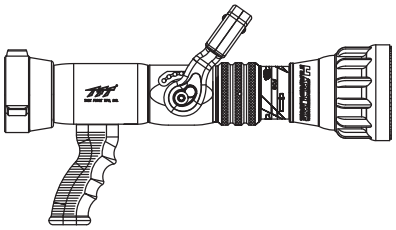
7.0 lb (3.2kg)
13.50" (34.3cm)



H-2VPGI **or H-2VPG** HANDLINE W/GRIP 2.5" NH (65mm) - Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill “power fog”, and “Gasket Grabber” inlet screen. Pistol grip is mounted below the valve (H-2VPGI) or behind the valve (H-2VPG). Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 2.5" NH (65mm) rocker lug full-time swivel coupling is standard.

H-2VPG
HL-2VPG

8.5 lb (3.8kg)
18.40" (46.7cm)

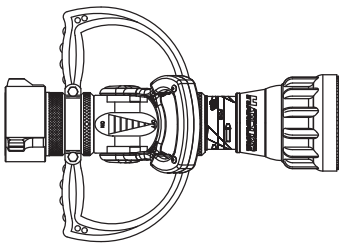


HL-2VPGI **or HL-2VPG** HANDLINE NOZZLE LP VERSION - Same as H-2VPGI or H-2VPG above, but operates at a low pressure of approximately 75 psi (5 bar). Flow range 95-250 gpm (360-950 l/min).

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

H-2BLITZ
HL-2BLITZ

10.2 lb (4.6kg)
15.12" (38.4cm)



H-2BLITZ HANDLINE PLAYPIPE 2.5" NH (65mm) - Smallest, most compact nozzle/playpipe combination available for use on 2.5" (65mm) or 3" (75mm) lines. Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill “power fog” pattern, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. Nozzle is attached to valve and is not removable. Rubber coated handles are designed to reduce fatigue. 2.5" NH (65mm) rocker lug full-time swivel coupling is standard.
HL-2BLITZ HANDLINE PLAYPIPE LOW PRESSURE VERSION - Same as H-2BLITZ above, but operates at a low pressure of approximately 75 psi (5 bar). Flow range 95-250 gpm (360-950 l/min).

1.5” (38mm) DUAL FORCE® SERIES

95-300 GPM (360-1150 l/min) or 95-250 GPM (360-950 l/min) low pressure

Dual Pressure Automatic

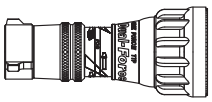
A TFT Dual Force is all conventional handline sizes in one. The wide flow range of 95-300 gpm (360-1150 l/min) allows the Dual-Force to be used on many hose sizes, and this series is an excellent choice for 1.5", 1.75", and 2.0" (38mm, 45mm and 52mm) attack lines. The Handline features flush without shutdown, molded rubber bumper with "power fog" teeth, TFT's patented stainless steel slide valve, and optional colored pistol grip and handle covers (NFPA 1901 (A.16.9.1). All TFT Handlines accept the FJ-H low-expansion or the FJ-HMX multi-expansion foam attachments.

In the standard mode, the Dual-Force Nozzle maintains a 100 psi / 7 bar operating nozzle pressure (75 psi / 5 bar on low pressure version) and meets the NFPA #1964 flow requirements for automatic nozzles. With a twist of the knob on the front of the nozzle, you can switch the Dual-Force to the low-pressure mode, which immediately reduces the nozzle's operating pressure to around 55 psi /4 bar (approximately 45 psi / 3 bar in low pressure version).

L = Low Pressure

HD-TO
HDL-TO

4.4 lb (2.0kg)
9.75" (23.8cm)

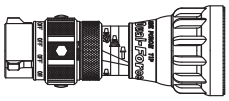


HD-TO DUAL-FORCE TIP 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, molded rubber teeth for full-fill “power fog”, and turbulence-free flow control. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 1.5" NH (38mm) rigid rocker lug coupling is standard. Tip does not shut off and must be used with a separate valve or valved playpipe. Nozzle may be switched between standard 100 psi (7 bar) and low pressure.

HDL-TO LOW PRESSURE VERSION. Same as HD-TO above, but operates at a lower pressure of approximately 75 psi (5 bar) / 45 psi (3 bar). Flow capacity 95-250 gpm (360-950 l/min) @ 75 psi (5 bar).

HD-STO
HDL-STO

5.3 lb (2.4kg)
11.00" (28.0cm)

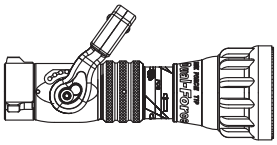


HD-STO DUAL-FORCE TIP/TWIST-OFF 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, molded rubber teeth for full-fill “power fog”, and twist slide-type valve for turbulence-free flow control. May be used with a separate valve or playpipe. Ideal for break-and-extend operations. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear.1.5" NH (38mm) rigid rocker lug coupling is standard. Nozzle may be switched between standard 100 psi (7 bar) and low pressure.

HDL-STO LOW PRESSURE VERSION. Same as HD-STO above, but operates at a lower pressure of approximately 75 psi (5 bar) / 45 psi (3 bar). Flow capacity 95-250 gpm (360-950 l/min) @ 75 psi (5 bar).

HD-V
HDL-V

6.6 lb (3.0kg)
13.00" (38.0cm)

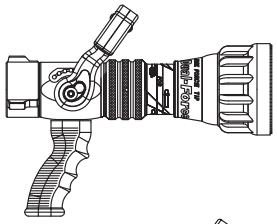


HD-V DUAL-FORCE NOZZLE 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill “power fog”, and “Gasket Grabber” inlet screen. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 1.5" NH (38mm) rocker lug full-time swivel coupling is standard. Nozzle may be switched between standard 100 psi (7 bar) and low pressure.

HDL-V LOW PRESSURE VERSION. Same as HD-V above, but operates at a lower pressure of approximately 75 psi (5 bar) / 45 psi (3 bar). Flow capacity 95-250 gpm (360-950 l/min) @ 75 psi (5 bar).

HD-VPGI
HDL-VPGI

7.0 lb (3.2kg)
13.00" (33.0cm)

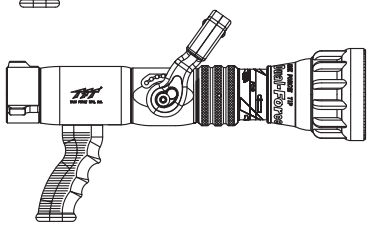


HD-VPGI or **HD-VPG** DUAL-FORCE W/GRIP 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free operator flow control, six detent flow positions, molded rubber teeth for full-fill “power fog”, and “Gasket Grabber” inlet screen. Pistol grip is mounted below the valve (HD-VPGI), or behind the valve (HD-VPG). Lightweight hardcoat anodized materials for maximum resistance to corrosion and wear. 1.5" NH (38mm) rocker lug full-time swivel coupling is standard. Nozzle may be switched between standard 100 psi (7 bar) and low pressure.

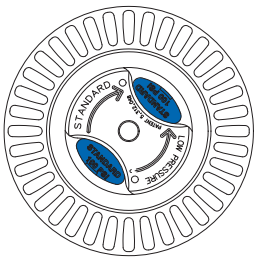
Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

HD-VPG
HDL-VPG

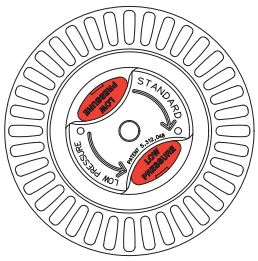
8.7 lb (3.9kg)
17.12" (43.5cm)



HDL-VPGI or **HDL-VPG** LOW PRESSURE VERSION. Same as HD-VPGI or HD-VPG above, but operates at a lower pressure of approximately 75 psi (5 bar) / 45 psi (3 bar). Flow capacity 95-250 gpm (360-950 l/min) @ 75 psi (5 bar).



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 232-233 or www.tft.com for additional information.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (65mm) DUAL FORCE® SERIES

95-300 GPM (360-1150 l/min) or 95-250 GPM (360-950 l/min) low pressure

Dual Pressure Automatic

A TFT Dual-Force is all conventional handline sizes in one. The wide flow range of 95-300 gpm (360-1150 l/min) allows the nozzle to be used on 2.5" and 3" (65 & 75mm) attack lines. The Dual-Force features flush without shutting down, molded rubber bumper with "power fog" teeth, TFT's patented stainless steel slide valve, the unique low pressure override which allows the nozzle to achieve greater flows at lower nozzle pressures, and an optional color-coded pistol grip, handle covers (NFPA 1901 (A.16.9.1) or rubber coated playpipe handles. All TFT Handlines accept the FJ-H low-expansion or the FJ-HMX multi-expansion foam attachments.

In the standard mode, the Dual-Force Nozzle maintains a 100 psi / 7 bar operating nozzle pressure (75 psi / 5 bar on low pressure version) and meets the NFPA #1964 flow requirements for automatic nozzles. With a twist of the knob on the front of the nozzle, you can switch the Dual-Force to the low-pressure mode, which immediately reduces the nozzle's operating pressure to around 55 psi /4 bar (approximately 45 psi / 3 bar in low pressure version).

L = Low Pressure

HD-2TO
HDL-2TO

3.5 lb (1.6kg)
10.50" (26.7cm)

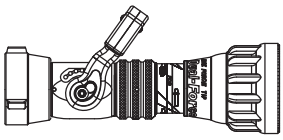


HD-2TO DUAL-FORCE TIP 2.5" NH (65mm) - Automatic pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, molded rubber teeth for full-fill "power fog", and turbulence-free flow control. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 2.5" NH (65mm) rigid rocker lug coupling is standard. Tip does not shut off and must be used with a separate valve or valved playpipe. Nozzle may be switched between standard 100 psi (7 bar) and low pressure.

HDL-2TO LOW PRESSURE VERSION. Same as HD-2TO above, but operates at a lower pressure of approximately 75 psi (5 bar) / 45 psi (3bar). Flow capacity 95-250 gpm (360-950 l/min) @ 75 psi (5 bar).

HD-2V
HDL-2V

7.4 lb (3.4kg)
13.50" (34.3cm)

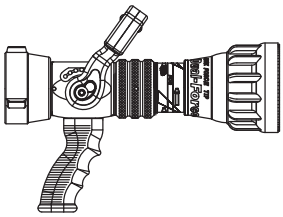


HD-2V DUAL-FORCE NOZZLE 2.5" NH (65mm) - Automatic pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill "power fog", and "Gasket Grabber" inlet screen. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 2.5" NH (65mm) rocker lug full-time swivel coupling is standard. Nozzle may be switched between standard 100 psi (7 bar) and low pressure.

HDL-2V LOW PRESSURE VERSION. Same as HD-2V above, but operates at a lower pressure of approximately 75 psi (5 bar) / 45 psi (3bar). Flow capacity 95-250 gpm (360-950 l/min) @ 75 psi (5 bar).

HD-2VPGI
HDL-2VPGI

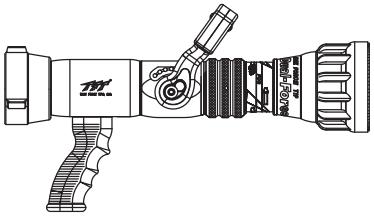
7.0 lb (3.2kg)
13.50" (34.3cm)



HD-2VPGI or HD-2VPG DUAL-FORCE W/GRIP 2.5" NH (65mm) - Automatic pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill "power fog", and "Gasket Grabber" inlet screen. Pistol grip is mounted below valve (HD-2VPGI), or behind the valve (HD-2VPG). Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. 2.5" NH (65mm) rocker lug full-time swivel coupling is standard. Nozzle may be switched between standard 100 psi (7 bar) and low pressure.

HD-2VPG
HDL-2VPG

9.0 lb (4.1kg)
18.40" (46.7cm)

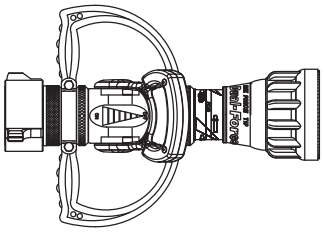


HDL-2VPG or HDL-2VPGI LOW PRESSURE VERSION. Same as HD-2VPGI or HD-2VPG above, but operates at a lower pressure of approximately 75 psi (5 bar) / 45 psi (3bar). Flow capacity 95-250 gpm (360-950 l/min) @ 75 psi (5 bar).

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

HD-2BLITZ
HDL-2BLITZ

10.2 lb (4.6kg)
15.12" (38.4cm)



HD-2BLITZ DUAL-FORCE PLAYPIPE 2.5" NH (65mm) - Nozzle/playpipe combination available for use on 2.5" (65mm) or 3" (75mm) lines. Automatic 100 psi (7 bar) pressure control with a flow capacity of 95-300 gpm (360-1150 l/min). Includes flush without shutting down, patented slide-type valve for turbulence-free flow control, six detent flow positions, molded rubber teeth for full-fill "power fog" pattern, and "Gasket Grabber" inlet screen. Lightweight hardcoat anodized aluminum materials for maximum resistance to corrosion and wear. Nozzle is attached to valve and is not removable. Rubber coated handles are designed to reduce fatigue. 2.5" NH (65mm) rocker lug full-time swivel coupling is standard. Nozzle may be switched between standard 100 psi (7 bar) and low pressure.

HDL-2BLITZ LOW PRESSURE VERSION. Same as HD-2BLITZ above, but operates at a lower pressure of approximately 75 psi (5 bar) / 45 psi (3bar). Flow capacity 95-250 gpm (360-950 l/min) @ 75 psi (5 bar).

There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 232-233 or www.tft.com for additional information.

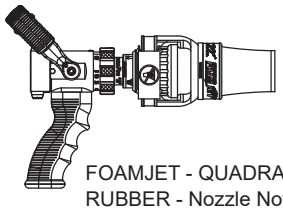
FOAMJET

Low-Expansion Foam Attachment

Make your TFT nozzle a high performance foam nozzle with the FOAMJET air-aspirating attachment. Simple, rugged and dependable, the FOAMJET can be quickly attached to either the 1" (25mm) QuadraFog, Ultimatic 125, MidMatic, Mid-Force, Handline, Dual-Force, Metro 0, Metro 1, or Metro 2 series of TFT nozzles. The FOAMJET provides superior foam-making ability with most modern foam concentrates. When used with AFFF and Class A foams, the FOAMJET can develop expansion ratios of 6:1. This thick foam blanket has better extinguishing ability and is longer lasting than foam from non-aspirated nozzles. It can be easily removed in seconds for a water-only or non-aspirated stream. FOAMJET is used in straight stream position only.

FJ-DQ

0.9 lb (0.4kg)
6.50" (16.5cm)

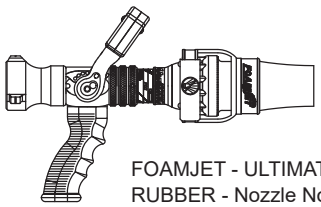


FOAMJET - QUADRAFOG 1" (25mm)
RUBBER - Nozzle Not Included

FJ-DQ FOAMJET - QUADRAFOG 1" (25mm) RUBBER - Air-aspirating foam-making attachment for all 1" (25mm) QuadraFog Series nozzles. The FOAMJET is constructed of molded rubber, stainless steel, and lightweight nickel plated aluminum. NOTE: Not intended to produce foam at 5 and 10 gpm (20 and 40 l/min) settings.

FJ-U

0.9 lb (0.4kg)
6.50" (16.5cm)

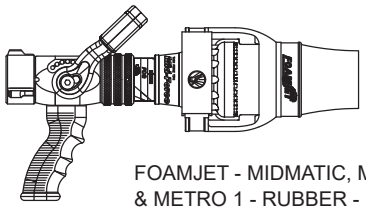


FOAMJET - ULTIMATIC
RUBBER - Nozzle Not Included

FJ-U FOAMJET - ULTIMATIC - RUBBER - Air-aspirating foam-making attachment for all "Ultimatic 125" and Metro 0 Series nozzles. The FOAMJET is constructed of molded rubber, stainless steel, and lightweight nickel plated aluminum.

FJ-HM

1.8 lb (0.8kg)
8.50" (21.6cm)

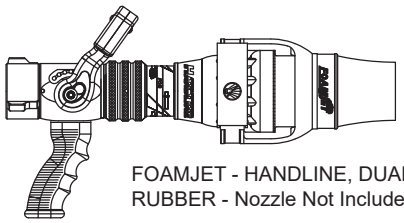


FOAMJET - MIDMATIC, MID-FORCE,
& METRO 1 - RUBBER - Nozzle Not Included

FJ-HM FOAMJET - MIDRANGE - RUBBER - Air-aspirating foam-making attachment for all Midmatic, Mid-Force & Metro 1 series nozzles. The FOAMJET is constructed of molded rubber, stainless steel, and lightweight nickel plated aluminum.

FJ-H

1.8 lb (0.8kg)
8.50" (21.6cm)



FOAMJET - HANDLINE, DUAL-FORCE, METRO 2
RUBBER - Nozzle Not Included

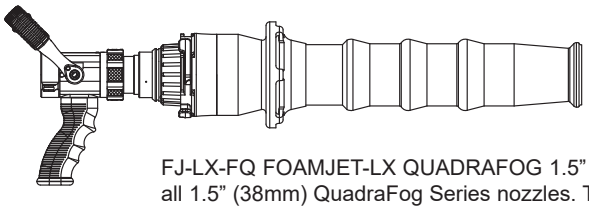
FJ-H FOAMJET - HANDLINE - RUBBER - Air-aspirating foam-making attachment for all Handline, Dual-Force and Metro 2 series nozzles. The FOAMJET is constructed of molded rubber, stainless steel, and lightweight nickel plated aluminum.

Low-Expansion Foam Attachment

The FOAMJET-LX is a lightweight, low-expansion foam-making, air-aspirating attachment. Simple, rugged and dependable, the FOAMJET-LX can be quickly attached and provides superior foam-making ability with most modern foam concentrates. When used with AFFF and Class A Foams, the FOAMJET-LX can develop a thick foam blanket which has better extinguishing ability and is longer lasting than foam from non-aspirating nozzles. The FOAMJET-LX can easily be removed in seconds for a water-only or non-aspirated stream. FOAMJET-LX is used in straight stream position only.

FJ-LX-FQ

3.3 lb (1.5kg)
20.20" (51.3cm)

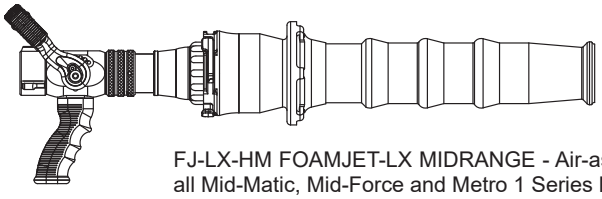


FOAMJET-LX QUADRAFOG 1.5" (38mm)
Nozzle Not Included

FJ-LX-FQ FOAMJET-LX QUADRAFOG 1.5" (38mm) - Air-aspirating foam-making attachment for all 1.5" (38mm) QuadraFog Series nozzles. The FOAMJET-LX is constructed of durable U.V. stabilized polyethylene, stainless steel, and aluminum.

FJ-LX-HM

2.9 lb (1.3kg)
20.20" (51.3cm)

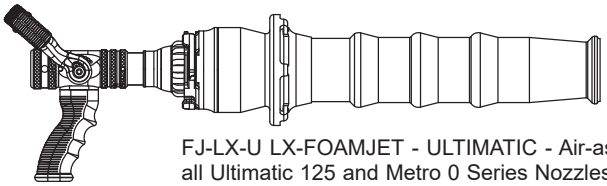


FOAMJET-LX MID-MATIC, MID-FORCE,
METRO 1 Nozzle Not Included

FJ-LX-HM FOAMJET-LX MIDRANGE - Air-aspirating low expansion foam-making attachment for all Mid-Matic, Mid-Force and Metro 1 Series Nozzles. Provides excellent low expansion foam with a tight bubble structure. The FOAMJET-LX is constructed of durable U.V. stabilized polyethylene, stainless steel, and aluminum.

FJ-LX-U

3.0 lb (1.4kg)
21.70" (55.1cm)



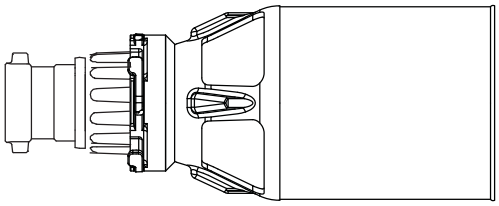
FOAMJET-LX ULTIMATIC
Nozzle Not Included

FJ-LX-U LX-FOAMJET - ULTIMATIC - Air-aspirating low expansion foam-making attachment for all Ultimatic 125 and Metro 0 Series Nozzles. Provides excellent low expansion foam with a tight bubble structure. The FOAMJET-LX is constructed of durable U.V. stabilized polyethylene, stainless steel, and aluminum.

The FOAMJET-MX & FOAMJET-LX for Master Stream Nozzles are lightweight, low & multi expansion foam-making, air-aspirating attachments. Simple, rugged and dependable, the FOAMJET-MX & FOAMJET-LX can be quickly attached and provide superior foam-making ability with most foam concentrates. When used with AFFF and Class A Foams, the FOAMJET-MX & FOAMJET-LX can develop a thick low and multi-expansion foam blanket which has better extinguishing ability and is longer lasting than foam from non-aspirating nozzles. The FOAMJET-MX & FOAMJET-LX can easily be removed in seconds for a water-only or non-aspirated stream. FOAMJET-LX is used in straight stream position only.

FJ-MX-MD

4.6 lb (2.1 kg)
16.20" (41.1 cm)

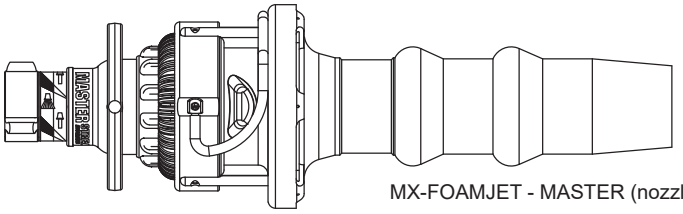


MD-FOAMJET MAX and ZN (nozzle not included)
There is no screen installed in this attachment.

FJ-MX-MD - FOAMJET-MX Air-aspirating multi-expansion foam-making attachment for use with all Max-Series and ZN Series Industrial Nozzles. As the nozzle shaper is rotated to the wide fog position (counterclockwise), higher expansion ratios will be produced, but with reduced stream reach. Rotating the nozzle shaper forward to straight stream (clockwise), will produce lower expansion ratios, but with increased stream reach. The FOAMJET-MX is constructed of durable U.V. Stabilized Polyethylene and aluminum.

FJ-LX-M

6.8 lb (3.1kg)
25.30" (64.3cm)



MX-FOAMJET - MASTER (nozzle not included)

FJ-LX-M - FOAMJET-LX - MASTER - Air-aspirating low expansion foam-making attachment for use with all Master Stream 1000, 1250S, and the Master Foam series nozzles. Provides low expansion foam and excellent stream reach. The FOAMJET-LX is constructed of durable U.V. Stabilized Polyethylene, stainless steel, and aluminum.

There are models of the **FJ-LX-M Series**, not listed here, that have international certifications and approvals. Please refer to pages 232-233 or www.tft.com for additional information.

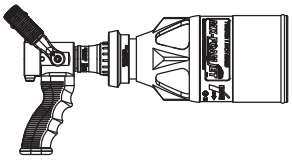
FOAMJET

Multi-Expansion Foam Attachment

The MX-FOAMJET is a simple to attach, compact, lightweight, and rugged multi-expansion foam-aspirating attachment for your Twister, QuadraFog, METRO 0, METRO 1, METRO 2 ThunderFog, Mid-Matic and Mid-Force Series nozzles. It can be used with many foam concentrates that are recommended for low or medium expansion equipment. The thick foam blanket produced has superior vapor-suppression capabilities and is longer lasting than foam from non-aspirated nozzles. The locking ring attaches easily and securely to the rubber bumper and can also be removed quickly for water-only or non-aspirated streams. Rotating the MX-FOAMJET gives you the unique ability to vary the expansion ratio and stream reach of finished foam.

FJ-MX-D

1.4 lb (0.6kg)
10.60" (26.9cm)

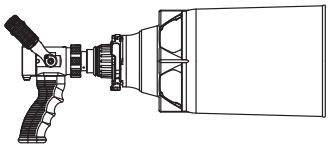


TWISTER 1" (25mm)
(nozzle not included)

FJ-MX-D MX-FOAMJET - TWISTER 1” (25mm) - Air-aspirating foam-making attachment for all 1” (25mm) Twister Series nozzles. Flow range of 10, 24, & 40 gpm (37, 90 & 150 l/min) matches that of corresponding 1” (25mm) Twister Series nozzle (needed for operation). The MX-FOAMJET is constructed of durable U.V. stabilized polyethylene and aluminum. Diameter 5.2” (13cm).

FJ-MX-DQ

2.3 lb (1.0kg)
12.60" (32.0cm)

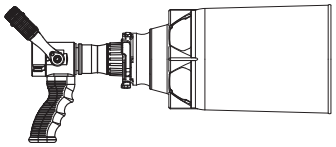


QUADRAFOG 1" (25mm)
(nozzle not included)

FJ-MX-DQ MX-FOAMJET - QUADRAFOG 1” (25mm) - Air-aspirating foam-making attachment for all 1” (25mm) QuadraFog Series nozzles. Aspirates foam when operating the 1” (25mm) QuadraFog nozzle in 24-40 gpm (90-150 l/min) setting. The MX-FOAMJET is constructed of durable U.V. stabilized polyethylene and aluminum. Diameter 7.4” (18.8 cm). NOTE: Not intended to produce foam at 5 and 10 gpm (20 and 40 l/min) settings.

FJ-MX-F

2.2 lb (1.0kg)
12.60" (32.0cm)

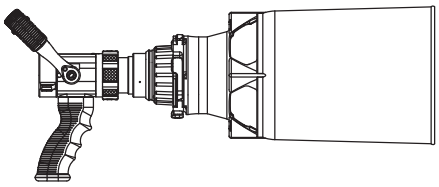


TWISTER 1.5" (38mm)
(nozzle not included)

FJ-MX-F MX-FOAMJET - TWISTER 1.5” (38mm) - Air-aspirating foam-making attachment for all 1.5” (38mm) Twister Series nozzles. Flow range of 20, 60, & 95 gpm (75, 230, & 360 l/min) matches that of corresponding 1.5” (38mm) Twister Series nozzle (needed for operation). The MX-FOAMJET is constructed of durable U.V. stabilized polyethylene and aluminum. Diameter 7.4” (18.8 cm).

FJ-MX-FQ

3.3 lb (1.5kg)
15.20" (38.6cm)



QUADRAFOG 1.5“ (38mm)
(nozzle not included)

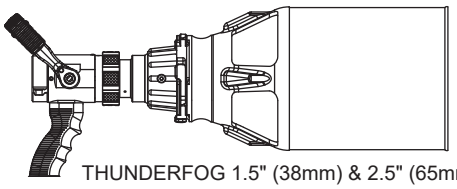
FJ-MX-FQ MX-FOAMJET - QUADRAFOG 1.5“ (38mm) - Air-aspirating foam-making attachment for all 1.5” (38mm) QuadraFog nozzles. Flow range of 30-125 gpm (110-500 l/min) matches that of corresponding 1.5” (38mm) QuadraFog nozzle (needed for operation). The MX-FOAMJET is constructed of durable U.V. stabilized polyethylene, stainless steel, and aluminum. Diameter 7.4” (18.8cm).

Multi-Expansion Foam Attachment

The MX-FOAMJET is a simple, lightweight multi-expansion foam-making attachment for TFT Handline, METRO 0, METRO 1, METRO 2, Dual-Force and Ultimatic 125 nozzles. The MX-FOAMJET allows for a wider selection of foam concentrates to be used, and has the unique ability to vary the expansion ratio and the stream reach of the finished foam. As the nozzle shaper is rotated to the wide fog position (counterclockwise), higher expansion ratios will be produced, but with reduced stream reach. Rotating the nozzle shaper forward to straight stream (clockwise), will produce lower expansion ratios, but with increased stream reach. The ability to regulate the reach and expansion ratio is unique to the MX-FOAMJET. It can be easily removed in seconds for a water-only or non-aspirated stream.

FJ-MX-FT

5.2 lb (2.4kg)
17.00" (43.2cm)

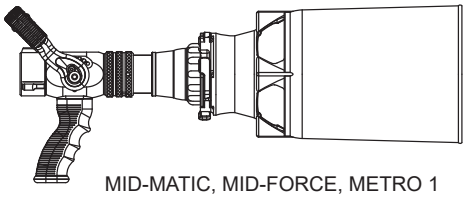


THUNDERFOG 1.5" (38mm) & 2.5" (65mm)
(nozzle not included)

FJ-MX-FT MX-FOAMJET - THUNDERFOG - Air-aspirating foam-making attachment for all 1.5" & 2.5" (38mm & 65mm) ThunderFog nozzles. Flow range of 30-250 gpm (110-500 l/min) matches that of corresponding 1.5" & 2.5" (38mm & 65mm) ThunderFog nozzle (needed for operation). The MX-FOAMJET is constructed of durable U.V. stabilized polyethylene and aluminum. Diameter 8.6" (21.8cm). NOTE: Will not fit fixed teeth models manufactured prior to 5/97 without bumper upgrade. (Free upgrade with purchase of FJ-MX-FT).

FJ-MX-HM

3.2 lb (1.5kg)
15.40" (39.1cm)

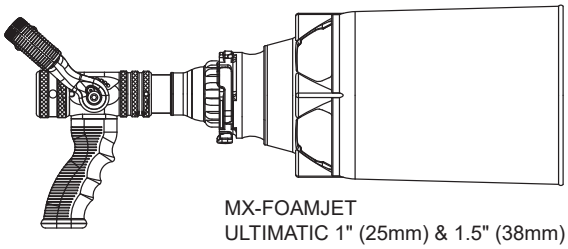


MID-MATIC, MID-FORCE, METRO 1
1.5" (38mm) - (nozzle not included)

FJ-MX-HM MX-FOAMJET - MIDRANGE - Air-aspirating foam-making attachment for all Mid-Force, Mid-Matic and METRO 1 Series nozzles. Flow range of 70 - 200 gpm (260-760 l/min) matches that of corresponding Mid-Force, Mid-Matic and METRO 1 Series nozzles (needed for operation). The MX-FOAMJET is constructed of durable U.V. stabilized polyethylene, and aluminum. Diameter 7.4" (18.8cm).

FJ-UMX

3.2 lb (1.5kg)
15.25" (39.1cm)

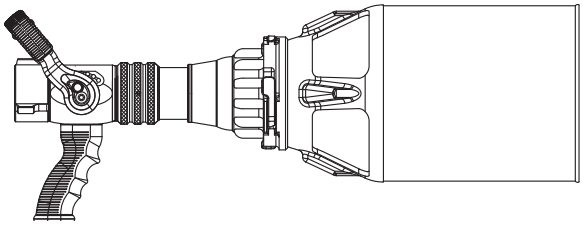


MX-FOAMJET
ULTIMATIC 1" (25mm) & 1.5" (38mm)
(nozzle not included)

FJ-UMX - MX-FOAMJET - ULTIMATIC - Air-aspirating foam-making attachment for all Ultimatic 125 and METRO 0 Series nozzles. Flow range of 10-125 gpm (40-500 l/min) matches that of corresponding TFT Ultimatic 125 (needed for operation). The MX-FOAMJET is constructed of durable U.V. stabilized polyethylene and aluminum. Diameter 7.4" (18.8cm).

FJ-HMX

3.1 lb (1.4kg)
15.62" (3.9cm)



MX-FOAMJET - HANDLINE, METRO 2, DUAL-FORCE
1.5" (38mm) & 2.5" (65mm) (nozzle not included)

FJ-HMX - MX-FOAMJET Multi-expansion foam-making attachment for all Handline, Dual-Force and METRO 2 Series nozzles. Flow range matches that of corresponding TFT Handline, Dual-Force and METRO 2 series nozzles (needed for operation). The MX-FOAMJET is constructed of durable U.V. stabilized polypropylene and lightweight hardcoat anodized aluminum. Diameter 8.6" (21.8 cm).

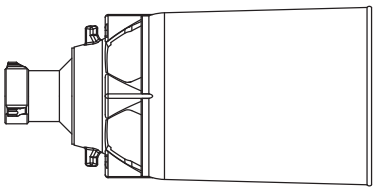
FOAM JET

Medium-Expansion Foam Nozzle

These simple, lightweight, durable foam nozzles deliver the same thick, long lasting foam blanket, which has come to be expected of TFT foam products, without the need for a separate nozzle. Compact and easy to maintain, these nozzles deliver consistent foam aspiration, and are engineered to provide optimum foam production, when paired with a 60, 95, or 125 gpm TFT eductor. A TFT F140 inline ball valve can be ordered seperately to provide shutoff capability.

FJ-MX-060-NF
FJ-MX-095-NF
FJ-MX-125-NF

2.40 lb (1.10kg)
16.20" (41.1 cm)



FJ-MX-060-NF Air aspirating medium expansion foam nozzle for use with 60 gpm eductors using medium expansion foam concentrates. Hardcoat anodized aluminum, stainless steel mesh, and black UV stabilized polyethylene construction. 1.5" NH (38mm) swivel rocker lug coupling is standard.

FJ-MX-095-NF Same as above, but used with 95 gpm eductors.

FJ-MX-125-NF Same as above, but used with 125 gpm eductors.

Basic Guide To Foam Selection and Use

Refer to instructions and guidelines from foam manufacturer and the fire service for specific uses and application techniques.

SOLID FUEL - CLASS A
Solid fuel with wettable cellular fibers that leave ash behind when burned. Examples: wood, paper, straw, brush, etc.

CLASS A
Recommended using class A foam that meets USDA Forest Service "Interim Requirements for Foam for Wildland Fires, Aircraft or Ground Application" or NFPA 298 "Foam Chemicals for Wildland Fire Control."

INVOLVED STRUCTURES	WILDLAND & EXPOSURE PROTECTION
Application rates in gpm/ft2 0.33 for fully involved	Apply as needed for penetration, isolation, cooling, and smothering

Apply using low expansion setting for:
- soaking and penetration of fuel
- greater stream reach

Apply using medium expansion setting for:
- greater coverage
- longer lasting
- insulating

LIQUID FUEL - CLASS B

HYDROCARBONS	POLAR SOLVENTS
Fuels that are mostly refined from crude oil or vegetable matter. Will not mix with water.	A flammable liquid that mixes with water. Examples are alcohols, amines, ethers, esters, aldehydes, and ketones. In firefighting, any flammable liquid which destroys regular foam is generally referred to as a polar solvent.
AFFF (Aqueous Film Forming Foam) FFFP (Film Forming FluoroProtein Foam) AR-AFFF (Alcohol Resistant AFFF Foam) PROTEIN FLUOROPROTEIN	AR-AFFF (Alcohol Resistant Foam)

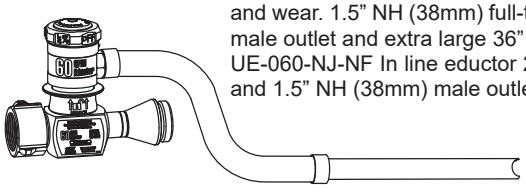
IGNITED	UNIGNITED	IGNITED	UNIGNITED
Application rates in gpm/ft2 AFFF & FFFP: 0.10 Protein & Fluoroprotein: 0.16 Reapply as needed.	May apply at less than rates for ignited. Be capable of increasing to ignited rates if needed.	Application rates: Use foam manufacturer's recommendations for handheld nozzles.	
Apply using LOW EXPANSION setting for extinguishment	Apply using MEDIUM EXPANSION setting for vapor suppression	Apply using LOW EXPANSION setting for extinguishment	Apply using MEDIUM EXPANSION setting for vapor suppression

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

In line Foam Eductors have a metering head with easy-read knob for use with Class A foam at .25% and .5% and with ARC-AFFF foam at 1%, 3% and 6% . Your choice of extra large 36" pickup hose with stainless steel wand or direct truck connect pickup hose are ideal for use with high viscosity foams. The meter head is equipped with a unique back flush push-button for fast cleaning, and is secured to the eductor body with a rugged disconnect. All controls are easy to use with gloves. Made of hardcoat anodized aluminum for corrosion protection. The required inlet pressure is 200 psi. The maximum allowable back pressure is 130 psi.

UE-060-NF
UE-060-NJ-NF

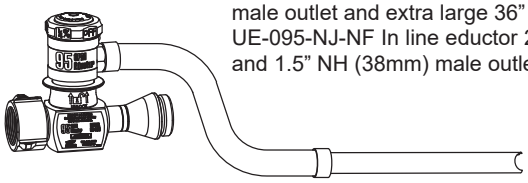
4.5 lb (2.0kg)
7.80"L x 6.5"H
(19.8cm x 16.6cm)



UE-060-NF In line eductor 1.5” NH (38mm) - Flow capability is 60 gpm (227 l/min). Lightweight hardcoat anodized aluminum material for maximum resistance to corrosion and wear. 1.5” NH (38mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet and extra large 36” pickup hose with stainless steel wand is standard.
UE-060-NJ-NF In line eductor 2.5” NH (65mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet is standard.

UE-095-NF
UE-095-NJ-NF

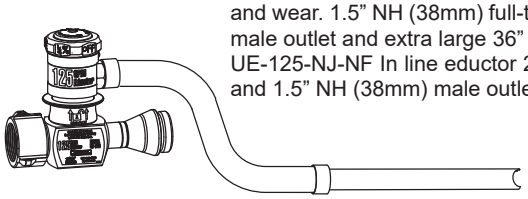
4.5 lb (2.0kg)
7.80"L x 6.5"H
(19.8cm x 16.6cm)



UE-095-NF In line eductor 1.5” NH (38mm) - Flow capability is 95 gpm (360)l/min). Lightweight hardcoat anodized aluminum material for maximum resistance to corrosion and wear. 1.5” NH (38mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet and extra large 36” pickup hose with stainless steel wand is standard.
UE-095-NJ-NF In line eductor 2.5” NH (65mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet is standard.

UE-125-NF
UE-125-NJ-NF

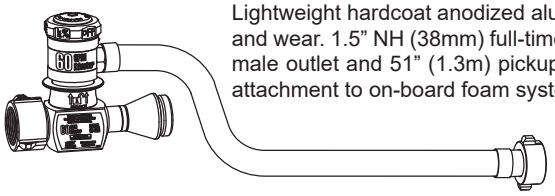
4.5 lb (2.0kg)
7.80"L x 6.5"H
(19.8cm x 16.6cm)



UE-125-NF In line eductor 1.5” NH (38mm) - Flow capability is 125 gpm (475 l/min). Lightweight hardcoat anodized aluminum material for maximum resistance to corrosion and wear. 1.5” NH (38mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet and extra large 36” pickup hose with stainless steel wand is standard.
UE-125-NJ-NF In line eductor 2.5” NH (65mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet is standard.

UE-060-NF-01

4.5 lb (2.0kg)
7.80"L x 6.5"H
(19.8cm x 16.6cm)

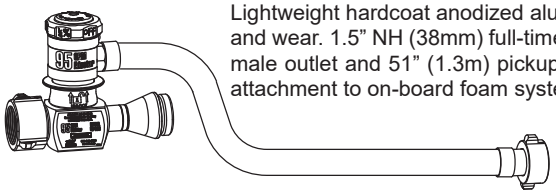


UE-060-NF-01 In line eductor 1.5” NH (38mm) - Flow capability is 60 gpm (227 l/min). Lightweight hardcoat anodized aluminum material for maximum resistance to corrosion and wear. 1.5” NH (38mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet and 51” (1.3m) pickup hose with a 1.0”NH (25mm) rocker lug coupling for attachment to on-board foam systems is standard.

CAM **Lock** fittings are available.
Contact Customer Service

UE-095-NF-01

4.5 lb (2.0kg)
7.80"L x 6.5"H
(19.8cm x 16.6cm)

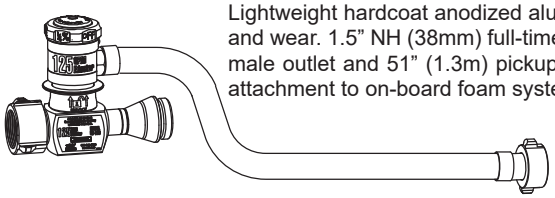


UE-095-NF-01 In line eductor 1.5” NH (38mm) - Flow capability is 95 gpm (360)l/min). Lightweight hardcoat anodized aluminum material for maximum resistance to corrosion and wear. 1.5” NH (38mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet and 51” (1.3m) pickup hose with a 1.0”NH (25mm) rocker lug coupling for attachment to on-board foam systems is standard.

CAM **Lock** fittings are available.
Contact Customer Service

UE-125-NF-01

4.5 lb (2.0kg)
7.80"L x 6.5"H
(19.8cm x 16.6cm)



UE-125-NF-01 In line eductor 1.5” NH (38mm) - Flow capability is 125 gpm (475 l/min). Lightweight hardcoat anodized aluminum material for maximum resistance to corrosion and wear. 1.5” NH (38mm) full-time swivel rocker lug inlet coupling and 1.5” NH (38mm) male outlet and 51” (1.3m) pickup hose with a 1.0”NH (25mm) rocker lug coupling for attachment to on-board foam systems is standard.

CAM **Lock** fittings are available.
Contact Customer Service

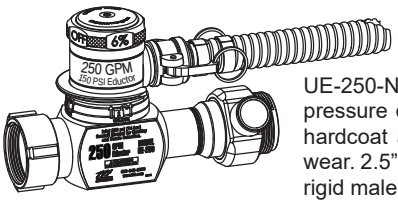
There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 232-233 or www.tft.com for additional information.

350 EDUCTOR SERIES

250 gpm and 350 gpm in line Foam Eductors have a metering head with easy-read knob for use with Class A foam at .5% and with Class B foam at 1%, 3%, and 6%. Large 8' industrial grade, UV resistant pickup hose is ideal for use with high viscosity foams. The meter head is equipped with a unique backflush push-button for fast cleaning, and is secured to the eductor body with a rugged disconnect. Easy to read Go/NoGo gage on outlet shows back pressure on eductor. All controls are easy to use with gloves. Made of hardcoat anodized aluminum for corrosion protection.

UE-250-NJ
UE-250L-NJ

13.0 lb (5.9kg)
13.50"L x 8.5"H
(34.3cm x 21.6cm)



L = Low Pressure 75 psi

UE-250-NJ In line eductor 2.5"NH (65mm) – Flow capability is 250 gpm with inlet pressure of 200 psi. Maximum allowable back pressure is 130 psi. Lightweight hardcoat anodized aluminum material for maximum resistance to corrosion and wear. 2.5" NH (65mm) full-time swivel rocker lug inlet coupling and 2.5" NH (65mm) rigid male outlet is standard.

UE-250L-NJ In line eductor 2.5"NH (65mm) – Flow capability is 250 gpm with inlet pressure of 150 psi. Maximum allowable back pressure is 80 psi. Lightweight hardcoat anodized aluminum material for maximum resistance to corrosion and wear. 2.5" NH (65mm) full-time swivel rocker lug inlet coupling and 2.5" NH (65mm) rigid male outlet is standard.

UE-350-NJ
UE-350L-NJ

13.0 lb (5.9kg)
13.50"L x 8.5"H
(34.3cm x 21.6cm)

UE-350-NJ In line eductor 2.5"NH (65mm) – Same as above with a flow capability is 350 gpm.
UE-350L-NJ In line eductor 2.5"NH (65mm) – Same as above with a flow capability is 350 gpm.

UE950

3.5 lb (1.6kg)
8.00" (2.4m)

CLEAR PICKUP HOSE – 1.0" (25mm) Cam lock connection on 1.25" x 8' (32mm x 2.4m) long clear hose. Flexible for easy storage.

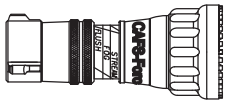
Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
UEP-225-BHBH	Eductor 2.0" BSP Male Inlet – 2.0" BSP Male Outlet	225 l/min @ 10 bar w/8' pickup hose
UEP-450-BHBH	Eductor 2.0" BSP Male Inlet – 2.0" BSP Male Outlet	450 l/min @ 10 bar w/8' pickup hose
UEP-450-BJBJ	Eductor 2.5" BSP Male Inlet – 2.5" BSP Male Outlet	450 l/min @ 10 bar w/8' pickup hose

CAFS Automatic Nozzles

The ONLY automatic nozzle designed specifically for Compressed Air Foam (CAFS) and water applications, CAFS-Force is engineered to provide optimal foam stream performance, as well as offering low pressure nozzle operations when using water alone. HMDC-TO and HDC-TO nozzles shall have a molded rubber bumper with "power fog" teeth, flush without shutting down, reflective labeling shall be standard. and meet NFPA 1964 (2009 edition). The extruded aluminum alloy body shall be hard coat anodized and nozzle shall have an automatic dual-pressure control that may be switched from standard low pressure (water application) to CAFS mode. Nozzles are tip only and require a ball valve to shut off. Nozzle shall have laser engraved serial number and a 5-year warranty.

HMDC-TO

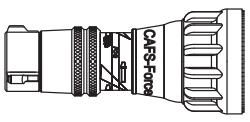
6.6 lb (3.0kg)
9.00" (22.9cm)



HMDC-TO CAFS-Force Nozzle 1.5" NH (38mm) – The ONLY automatic nozzle combination designed specifically for Compressed Air Foam (CAFS) and water applications, CAFS-Force is engineered to provide optimal foam stream performance, as well as offering low pressure nozzle operations when using water alone. The CAFS-Force tip features an automatic dual-pressure control with a water flow capacity of 70-200 gpm that may be switched from standard low pressure (water application) to CAFS mode. 1.5" NH (38mm) rocker lug coupling is standard.

HDC-TO

8.2 lb (3.7kg)
9.75" (23.8cm)

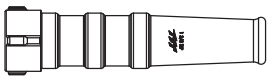


HDC-TO CAFS-Force Nozzle 1.5" NH (38mm) – The ONLY automatic nozzle combination designed specifically for Compressed Air Foam (CAFS) and water applications, CAFS-Force is engineered to provide optimal foam stream performance, as well as offering low pressure nozzle operations when using water alone. The CAFS-Force tip features an automatic dual-pressure control with a water flow capacity of 95-250 gpm that may be switched from standard low pressure (water application) to CAFS mode. 1.5" NH (38mm) rocker lug coupling is standard.

CAFS Straight Tip Nozzles

FSS13-CAFS

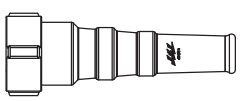
1.7 lb (0.8kg)
10.45" (26.5cm)



FSS13-CAFS STRAIGHT TIP – 1.5"NH (38mm) with smooth taper to 1 3/8" (35mm) tip. This tip is hardcoat anodized and is design for compressed air foam (CAFS) application. The tip is also suitable for use with water. 1.5" (38mm) NH rocker lug full-time swivel coupling inlet standard.

JSS13-CAFS

2.2 lb (1.0kg)
10.91" (27.7cm)



JSS13-CAFS STRAIGHT TIP – 2.5"NH (65mm) with smooth taper to 1 3/8" (35mm) tip. This tip is hardcoat anodized and is design for compressed air foam (CAFS) application. The tip is also suitable for use with water. 2.5" (65mm) NH rocker lug full-time swivel coupling inlet standard.

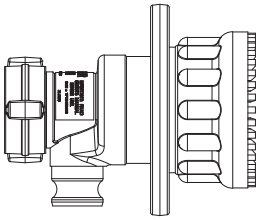
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

250, 350, 500, 750 gpm Self-Educting Foam Nozzle

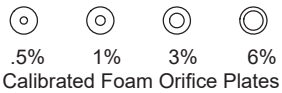
The Task Force Tips' MASTER FOAM nozzle is a simple and rugged self-educting foam nozzle with superior stream quality and reach. This fixed gallonage fog nozzle rated at 100 psi (7 bar) is available with your choice of 250, 350, 500 or 750 gpm (950, 1300, 2000, 3000 l/min). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The standard swivel coupling is 2.5" NH, NPSH, or BSP (65mm) female threads. The simple flow geometry can educt foam concentrate at .5%, 1%, 3%, or 6% with no small passages to clog. Percentage is easily set with an interchangeable orifice plate. A set of calibrated foam orifice plates is included. Nozzle comes with an industrial grade UV resistant, 10 feet long, 1.5" diameter (3m x 38mm) concentrate hose with two cam lock fitting for quick and secure attachment to the nozzle. The simple and basic design requires no grease or other maintenance. The halo ring/stream shaper is made from non-corroding high temperature polymer. The rubber bumper is UV resistant. The MASTER FOAM self-educting nozzle is available in hardcoat anodized ANSI A356.0.T6 aluminum. All MASTER FOAM nozzles accept the FJ-LX-M FOAMJET low expansion air-aspirating attachment.

ZMF10A

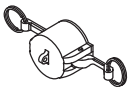
7.3 lb (3.3kg)
10.50" (26.7cm)







Calibrated Foam Orifice Plates



Dust Cap With Cam Lock Fitting

1.5" Diameter concentrate hose with one 1.5" Cam Lock fitting, one 2" Cam Lock fi tting, Industrial grade, UV resistant, 10 feet (3 m) long.

When ordering, choose one option from each category. For example Model ZMF 1 2 A is 2.5" NH Female thread, 500 gpm at 100 psi. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

ZMF _____ _____ **A**

THREADS (Swivel) (2.5" = 65mm)	FLOW
1) 2.5"-7.5 NH FEMALE	0) 250 gpm @ 100 psi (950 l/min @ 7 bar) — Kfactor = 25
2) 2.5"-11 BSP FEMALE	1) 350 gpm @ 100 psi (1300 l/min @ 7 bar) — Kfactor = 35
3) 2.5"-11.5 NPSH FEMALE	2) 500 gpm @ 100 psi (2000 l/min @ 7 bar) — Kfactor = 50
4) 2.5"- SPECIAL THREADS	3) 750 gpm @ 100 psi (3000 l/min @ 7 bar) — Kfactor = 75

Z625A
7.0 lb (3.2kg)

Supply Hose - 1.5" Cam lock X 2.0" Cam lock 1.5" x 10 feet (38mm x 3m) long concentrate hose, Industrial grade, UV resistant.

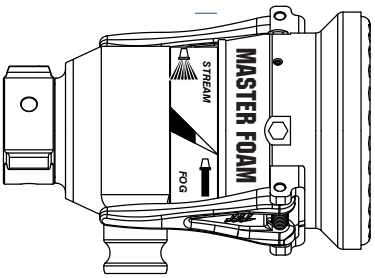
UE960-KIT UE960-Kit 1.5" Cam lock adapter available.

1000, 1250, 1500, 2000 gpm Self Educting Foam Nozzles

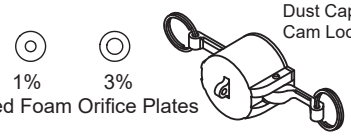
The Task Force Tips' MASTER FOAM nozzle is a simple and rugged self-educting foam nozzle with superior stream quality and reach. This fixed gallonage fog nozzle rated at 100 psi (7 bar) is available with your choice of 1000 or 1250 gpm (3800 or 4800 l/min). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The standard swivel coupling is 2.5" NH, NPSH, or BSP (65mm) female threads. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. Nozzle comes with an industrial grade UV resistant, 10 feet long, 2" diameter (3m x 50mm) concentrate hose with two cam lock fitting for quick and secure attachment to the nozzle. The simple and basic design requires minimal maintenance. Includes folding handles for manual patern control. Hardcoat anodized aluminum ANSI A6061-T6 for maximum resistance to corrosion and wear.

ZMF14

17.7 lb (8.0kg)
10.70" (27.2cm)







Calibrated Foam Orifice Plates

Dust Cap With Cam Lock Fitting

2" Diameter concentrate hose with one 1.5" Cam Lock fitting, one 2" Cam Lock fitting, Industrial grade, UV resistant, 10 feet (3 m) long.

ZMF _____ _____

THREADS (Swivel) (2.5" = 65mm)	FLOW
1) 2.5"-7.5 NH FEMALE	4) 1000 gpm @ 100 psi
2) 2.5"-11 BSP FEMALE	(3800 l/min @ 7 bar) — Kfactor = 100
3) 2.5"-11.5 NPSH FEMALE	5) 1250 gpm @ 100 psi
4) 2.5"- SPECIAL THREADS	(4800 l/min @ 7 bar) — Kfactor = 125

ZMF16
17.7 lb (8.0kg)
10.70" (27.2cm)

1500 gpm @ 100 psi (6000 l/min @ 7 bar) 3.5"-6 NH (89mm) NH Coupling
2" Diameter concentrate hose with two 2" Cam Lock fitting, Industrial grade, UV resistant, 10 feet (3 m) long.

ZMF17
17.7 lb (8.0kg)
10.70" (27.2cm)

2000 gpm @ 100 psi (8000 l/min @ 7 bar) 3.5"-6 NH (89mm) NH Coupling
2" Diameter concentrate hose with two 2" Cam Lock fitting, Industrial grade, UV resistant, 10 feet (3 m) long.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

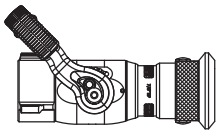
VIT BALL VALVE SERIES

TFT's VIT (Valve Integral Tip) Ball Valve series is designed to be the most rugged valve/smooth bore tip combination available while still maintaining a competitively low price. By using high strength materials, this unique TFT valve/tip combination provides the maximum amount of resistance to wear and corrosion while offering complete fire streams management flexibility. Designed to provide maximum flow, stream quality, and versatility when coupled with a high flowing combination nozzle, the VIT series can also be used as a smooth bore nozzle. A thread protector covers the 1.5" NH outlet threads when VIT is being used as a smooth bore nozzle, and slides back to a hold position to allow for easy attachment of a nozzle or hose line. Designed for 1.5", 1.75", 2", 2.5", and 3" (38mm, 52mm, 65mm, and 75mm) attack lines, the VIT series is engineered to meet your high flow needs.

SAMPLE PART NUMBER
Specify actual number from chart below.

HVIT11

3.8 lb (1.7kg)
9.26" (23.5cm)

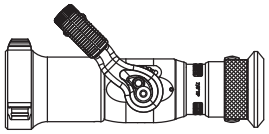


HVIT1* – VALVE INTEGRAL TIP NOZZLE 1.5" NH (38mm) – Separate ball-type shut-off valve for use with tip only nozzles. Use the valve as a smooth bore at the selected outlet diameter. Six detent flow positions. Colored handle covers available. 1.5" NH (38mm) rocker lug full-time swivel inlet coupling and 1.5" NH (38mm) male outlet standard. All lightweight materials are used.

SAMPLE PART NUMBER
Specify actual number from chart below.

HVIT21

4.2 lb (1.9kg)
9.41" (23.9cm)



HVIT2* – VALVE INTEGRAL TIP NOZZLE 2.5" NH (38mm) – Separate ball-type shut-off valve for use with tip only nozzles. Use the valve as a smooth bore at the selected outlet diameter. Six detent flow positions. Colored handle covers available. 2.5" NH (65mm) rocker lug full-time swivel inlet coupling and 1.5" NH (38mm) male outlet standard. All lightweight materials are used.

Choose desired outlet diameter and coupling size from chart.

For assistance in ordering, please call 1-800-348-2686 to speak with a nozzle specialist.

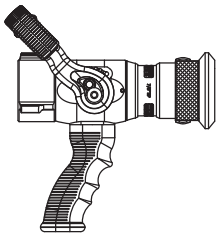
HVIT ☐ *For example Model **HVIT22** is 2.5" NH female thread inlet with a 15/16" diameter outlet nozzle.*

WITHOUT PISTOL GRIP		SMOOTHBORE OUTLET DIAMETER					
		7/8"	15/16"	1.0"	1-1/8"	1-1/4"	1-3/8"
THREADED INLET DIAMETER	1.5" NH	**11**	**12**	**13**	**14**	**15**	**16**
	2.5" NH	**21**	**22**	**23**	**24**	**25**	**26**

SAMPLE PART NUMBER
Specify actual number from chart below.

HVITG11

4.1 lb (1.8kg)
9.26" (23.5cm)



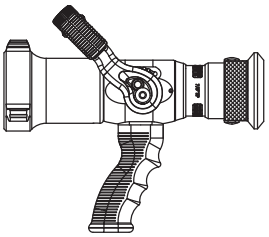
HVITG1* – VALVE INTEGRAL TIP NOZZLE W/GRIP 1.5" NH (38mm) – Separate ball-type shutoff valve with built-in pistol grip mounted below valve body for use with tip only nozzles. Use the valve as a smooth bore at the selected outlet diameter. Six detent flow positions. Colored pistol grip and handle covers available. 1.5" NH (38mm) rocker lug full-time swivel inlet coupling and 1.5" NH (38mm) male outlet standard. All lightweight materials are used.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

SAMPLE PART NUMBER
Specify actual number from chart below.

HVITG21

4.5 lb (2.0kg)
9.41" (23.9cm)



HVITG2* – VALVE INTEGRAL TIP NOZZLE W/GRIP 2.5" NH (38mm) – Separate ball-type shutoff valve with built-in pistol grip mounted below valve body for use with tip only nozzles. Use the valve as a smooth bore at the selected outlet diameter. Six detent flow positions. Colored pistol grip and handle covers available. 2.5" NH (65mm) rocker lug full-time swivel inlet coupling and 1.5" NH (38mm) male outlet standard. All lightweight materials are used.

Choose desired outlet diameter and coupling size from chart.

For assistance in ordering, please call 1-800-348-2686 to speak with a nozzle specialist.

HVITG ☐ *Model **HVITG14** is a 1.5" NH female thread inlet, 1-1/8" diameter outlet nozzle with a pistol grip.*

WITH PISTOL GRIP		SMOOTHBORE OUTLET DIAMETER					
		7/8"	15/16"	1.0"	1-1/8"	1-1/4"	1-3/8"
THREADED INLET DIAMETER	1.5" NH	**11**	**12**	**13**	**14**	**15**	**16**
	2.5" NH	**21**	**22**	**23**	**24**	**25**	**26**

See Page 215 for additional or replacement outlets.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VORTEX SERIES

The TFT Vortex enhances the use of a smoothbore nozzle. It is intended for installation behind a smoothbore nozzle for use with water or fire fighting foam solutions. Six short vanes in the bore of the Vortex reduce turbulence in straight stream. Twisting the Stream Shaper from "STREAM" to "VORTEX" causes the vanes to pivot proportionally. This induces a gentle spin in the water to create a uniformly dispersed Vortex stream pattern. The vanes are less obtrusive than a typical stream straightener, resulting in virtually no friction loss regardless of which stream pattern is selected. The vanes also allow large debris to easily pass through the Vortex.

The Shaper includes a tactile detent at the straight stream and full Vortex dispersed positions as a secure confirmation that the desired setting has been achieved. As seen from the operating position behind the nozzle, twisting the stream shaper clockwise moves the shaper to the straight stream position. Twisting the shaper counterclockwise will result in an increasingly wider pattern until reaching the full Vortex pattern.

Pivoting the vanes has virtually no effect on the flow area or ability to pass debris up to 5/8". As a result, discharge pressure and flow rate remain constant regardless of stream pattern. The nozzle reaction is greatest when the shaper is in the straight stream position.

SVFT

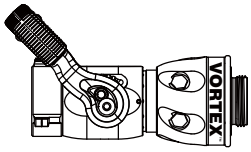
1.9 lb (0.9kg)
4.55" (11.5cm)



SVFT – VORTEX TIP ONLY 1.5"NHF X 1.5"NHM (38mm) – Integrated 1 3/8" water way. Any smaller sized smooth bore tip may be attached to the male outlet threads. 1.5" NH (38mm) rocker lug full-time swivel inlet coupling and 1.5" NH (38mm) male outlet standard. All lightweight materials are used.

SVFV

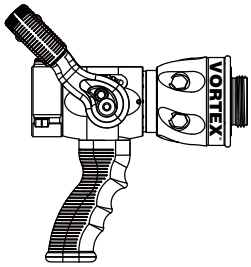
3.8 lb (1.7kg)
8.42" (21.4cm)



SVFV – VORTEX W/ DETENT VALVE 1.5"NHF X 1.5"NHM (38mm) – Integrated 1 3/8" water way. Any smaller sized smooth bore tip may be attached to the male outlet threads. Includes ball-type shutoff valve with six detent flow positions. Colored handle covers available. 1.5" NH (38mm) rocker lug full-time swivel inlet coupling and 1.5" NH (38mm) male outlet standard. All lightweight materials are used.

SVFG

4.6 lb (2.1kg)
8.42" (21.2cm)



SVFG – VORTEX W/ DETENT VALVE & GRIP 1.5X1.5"NH (38mm) – Integrated 1 3/8" water way. Any smaller sized smooth bore tip may be attached to the male outlet threads. Includes ball-type shutoff valve with built-in pistol grip mounted below valve body. Six detent flow positions. Colored pistol grip and handle covers available. 1.5" NH (38mm) rocker lug full-time swivel inlet coupling and 1.5" NH (38mm) male outlet standard. All lightweight materials are used.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

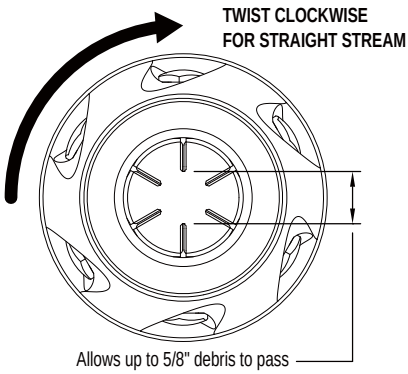
SEE CHART

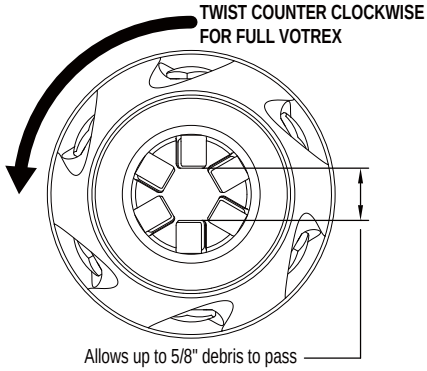


FF15* - STRAIGHT TIP - with smooth inside taper. 1.5" NH (38mm) thread is standard.
*Please specify model # and orifice when ordering.

Model #	ORIFICE		Weight	Length
FF151	1/2" (12mm)		0.22 lb (0.10 kg)	3.00" (76mm)
FF152	5/8" (16mm)		0.22 lb (0.10 kg)	3.00" (76mm)
FF153	15/16" (24mm)		0.20 lb (0.09 kg)	2.75" (69mm)
FF154	1" (25mm)		0.17 lb (0.08 kg)	2.50" (64mm)
FF155	1-1/8" (28mm)		0.14 lb (0.06 kg)	2.50" (64mm)
FF156	1-3/16"(30mm)		0.13 lb (0.06 kg)	2.50" (64mm)
FF157	7/8" (22mm)		0.22 lb (0.10 kg)	3.00" (76mm)

Pivoting the vanes has virtually no effect on the flow area or ability to pass debris up to 5/8". As a result, discharge pressure and flow rate remain constant regardless of stream pattern. The nozzle reaction is greatest when the shaper is in the straight stream position.





National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

1" (25mm) & 1.5" (38mm) ACCESSORIES

D75D

1.0 lb (0.5kg)
3.75" (9.6cm)



D75D - BALL VALVE 1.0” NH X 1.0” NH (25mm x 25mm) - Ball Valve with an unobstructed 3/4” (19mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Optional color coded handle covers available. 1” NH (25mm) rocker lug swivel inlet, and 1” NH (25mm) male outlet standard.

D75DR

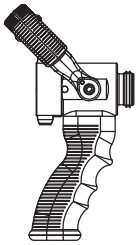
0.9 lb (0.4kg)
3.75" (9.6cm)



D75DR - RIGID BALL VALVE 1.0” NH X 1.0” NH (25mm x 25mm) - Ball Valve with an unobstructed 3/4” (19mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Optional color coded handle covers available. 1” NH (25mm) rigid base inlet, and 1” NH (25mm) male outlet standard. NPSH is available.

D75DP

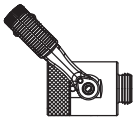
1.3 lb (0.6kg)
3.75" (9.6cm)



D75DP - VALVE W/GRIP 1.0” NH X 1.0” NH (25mm x 25mm) - Ball Valve with an unobstructed 3/4” (19mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Optional color coded pistol grip and handle covers available. 1” NH (25mm) rocker lug swivel inlet and 1” NH (25mm) male outlet standard.

D100D

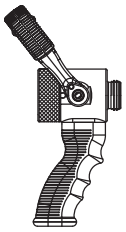
1.4 lb (0.6kg)
3.80" (9.7cm)



D100D – BALL VALVE 1.0” NH X 1.0” NH (25mm x 25mm) – Ball Valve with an unobstructed 1” (25mm) waterway. All lightweight materials, hardcoat anodized aluminum. Changeable rear valve seat and stainless steel shut-off ball. Optional color coded handle covers available. 1” NH (25mm) knurled swivel inlet, and 1” NH (25mm) male outlet standard.

D100DP

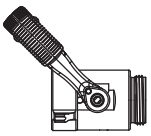
1.7 lb (0.8kg)
3.80" (9.7cm)



D100DP - VALVE W/GRIP 1.0” NH X 1.0” NH (25mm x 25mm) – Ball Valve with an unobstructed 1” (25mm) waterway. All lightweight materials, hardcoat anodized aluminum. Changeable rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Optional color coded pistol grip and handle covers available. 1” NH (25mm) knurled swivel inlet, and 1” NH (25mm) male outlet standard.

F100F

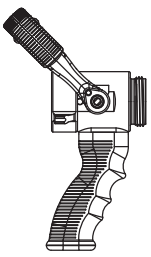
1.5 lb (0.7kg)
3.75" (9.6cm)



F100F - BALL VALVE 1.5” NH X 1.5” NH (38mm x 38mm) - Ball Valve with an unobstructed 1” (25mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Optional color coded handle covers available. 1.5” NH (38mm) rocker lug swivel inlet, and 1.5” NH (38mm) male outlet standard.

F100FP

1.7 lb (0.8kg)
3.75" (9.6cm)

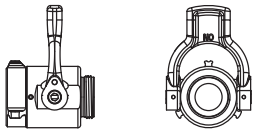


F100FP - VALVE W/GRIP 1.5” NH x 1.5” NH (38mm x 38mm) - Ball Valve with an unobstructed 1” waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Optional color coded pistol grip and handle covers available. 1.5” NH (38mm) rocker lug swivel inlet, and 1.5” NH (38mm) male outlet standard.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

F125F

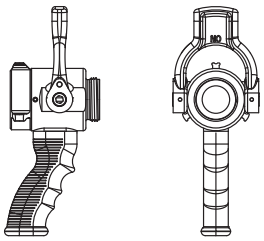
1.5 lb (0.7kg)
3.75" (9.6cm)



F125F - BALL VALVE 1.5” NH X 1.5” NH (38mm x 38mm) - Ball Valve with a handle designed for tight hose lays and an unobstructed 1.25” (32mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. 1.5” NH (38mm) rocker lug swivel inlet, and 1.5” NH (38mm) male outlet standard.

F125FP

1.7 lb (0.8kg)
3.75" (9.6cm)



F125FP - VALVE W/GRIP 1.5” NH x 1.5” NH (38mm x 38mm) - Ball Valve with a handle designed for tight hose lays and an unobstructed 1.25” (32mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Optional color coded pistol grip available. 1.5” NH (38mm) rocker lug swivel inlet, and 1.5” NH (38mm) male outlet standard.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 219 for ordering information.

F140F

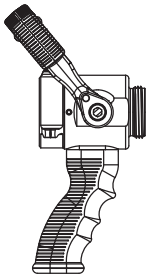
2.2 lb (1.0kg)
4.00" (10.2cm)



F140F - BALL VALVE 1.5” NH x 1.5” NH (38mm x 38mm) - Ball Valve with an unobstructed 1-3/8” (35mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Optional color coded handle covers available. 1.5” NH (38mm) rocker lug swivel inlet, and 1.5” NH (38mm) male outlet standard..

F140FP

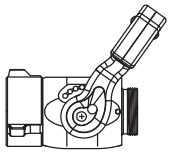
2.4 lb (1.1kg)
4.00" (10.2cm)



F140FP - VALVE W/GRIP 1.5” NH X 1.5” NH (38mm x 38mm) - Ball Valve with an unobstructed 1-3/8” (35mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Optional color coded pistol grip and handle covers available. 1.5” NH (38mm) rocker lug swivel inlet, and 1.5” NH (38mm) male outlet standard.

H-VO

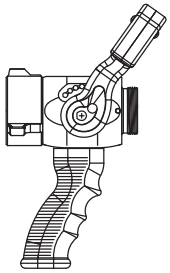
2.6 lb (1.3kg)
5.25" (13.3cm)



H-VO DETENT VALVE 1.5” NH X 1.5” NH (38mm x 38mm) - Separate ball-type shutoff valve with a 1-3/8” (35mm) waterway for use with tip only nozzles. Includes six detent flow positions. Colored handle covers available. 1.5” (38mm) NH rocker lug full-time swivel coupling, and 1.5” (38mm) NH male outlet standard. All lightweight materials. ***Accepts F140SBI smooth bore insert kit found on page 50.***

H-VOI

3.3 lb (1.3kg)
5.25" (13.3cm)



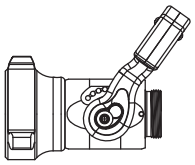
H-VOI DETENT VALVE W/GRIP 1.5” NH x 1.5” NH (38mm x 38mm) - Separate ball-type shutoff valve with a 1-3/8” (35mm) waterway and a built-in pistol grip mounted below the valve body for use with tip only nozzles. Six detent flow positions, optional colored pistol grip and handle covers, 1.5” (38mm) NH rocker lug full-time swivel coupling, and 1.5” (38mm) NH male outlet standard. All lightweight materials. ***Accepts F140SBI smooth bore insert kit found on page 50.***

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (65mm) ACCESSORIES

H-2VO

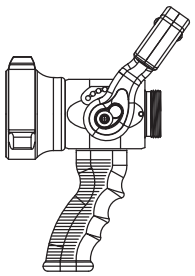
2.6 lb (1.3kg)
5.25" (13.3cm)



H-2VO DETENT VALVE 2.5” NH X 1.5” NH (65mm x 38mm) - Separate ball-type shutoff valve with a 1-3/8” (35mm) waterway for use with tip only nozzles. Includes six detent flow positions. Colored handle covers available. 2.5” (65mm) NH rocker lug full-time swivel coupling, and 1.5” (38mm) NH male outlet standard. All lightweight materials. ***Accepts F140SBI smooth bore insert kit found on page 49.***

H-2VOI

3.3 lb (1.3kg)
5.25" (13.3cm)

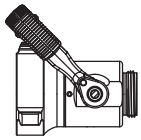


H-2VOI DETENT VALVE W/GRIP 2.5” NH x 1.5” NH (65mm x 38mm) - Separate ball-type shutoff valve with a 1-3/8” (35mm) waterway and a built-in pistol grip mounted below the valve body for use with tip only nozzles. Six detent flow positions, optional colored pistol grip and handle covers, 2.5” (65mm) NH rocker lug full-time swivel coupling, and 1.5” (38mm) NH male outlet standard. All lightweight materials. ***Accepts F140SBI smooth bore insert kit found on page 49.***

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

J140F

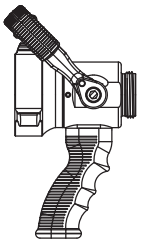
2.7 lb (1.2kg)
5.00" (12.7cm)



J140F - BALL VALVE 2.5” NH X 1.5” NH (65mm x 38mm) - Ball Valve with an unobstructed 1-3/8” (35mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Rocker lug 2.5” NH (65mm) full-time swivel inlet, and 1.5” NH (38mm) male outlet standard.

J140FP

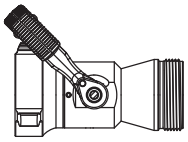
2.9 lb (1.3kg)
5.00" (12.7cm)



J140FP - VALVE W/GRIP 2.5” NH X 1.5” NH (65mm x 38mm) - Ball Valve with an unobstructed 1-3/8” (35mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Optional color coded pistol grip and handle covers available. Rocker lug 2.5” NH (65mm) full-time swivel inlet, and 1.5” NH (38mm) male outlet standard.

J140J

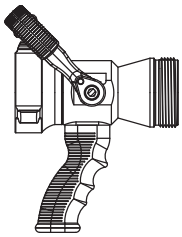
3.4 lb (1.5kg)
7.18" (18.3cm)



J140J - BALL VALVE 2.5” NH X 2.5” NH (65mm x 65mm) - Ball Valve with an unobstructed 1-3/8” (35mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Rocker lug 2.5” NH (65mm) full-time swivel inlet, and 2.5” NH (65mm) male outlet standard.

J140JP

3.7 lb (1.7kg)
7.18" (18.3cm)



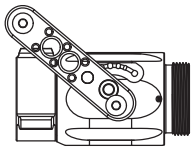
J140JP - VALVE W/GRIP 2.5” NH X 2.5” NH (65mmx65mm) - Ball Valve with an unobstructed 1-3/8” (35mm) waterway. All lightweight materials, hardcoat anodized aluminum. Quick-change rear valve seat and stainless steel shut-off ball. Pistol grip is mounted below the valve. Optional color coded pistol grip and handle covers available. Rocker lug 2.5” (65mm) NH full-time swivel inlet, 2.5” (65mm) NH male outlet is standard.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2.5" (65mm) ACCESSORIES

H-3VONJ-NJ

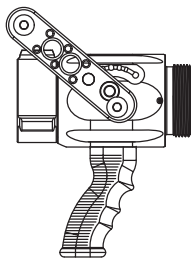
5.7 lb (2.6kg)
7.18" (19.8cm)



H-3VONJ-NJ DETENT VALVE 2.5”NH x 2.5”NH (65mm x 65mm) - Separate ball-type shutoff valve with 2” (50mm) waterway for use with tip only nozzles. Includes six detent flow positions, 2.5” (65mm) NH rocker lug full-time swivel coupling, and 2.5” (65mm) NH male outlet standard. All lightweight materials.

H-3VOINJ-NJ

5.9 lb (2.7kg)
7.18" (19.8cm)



H-3VOINJ-NJ DETENT VALVE W/GRIP 2.5”NH x 2.5”NH (65mm x 65mm) - Separate ball-type shutoff valve with 2” (50mm) waterway and a built-in pistol grip mounted below the valve body for use with tip only nozzles. Includes six detent flow positions. 2.5” (65mm) NH rocker lug full-time swivel coupling, and 2.5” (65mm) NH male outlet standard. All lightweight materials.

Folding Pistol Grip Kits with NFPA color inserts are available.
See page 220 for ordering information.

ACCESSORIES

F15G200
F15G300

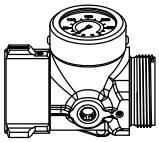
1.5 lb (0.7kg)
3.75" (9.6cm)



F15G200 - LINE PRESSURE GAUGE 1.5” NH (38mm) - Pitot-type, liquid-filled 0-200 psi (0-14 bar) gauge is ideal for testing and training purposes. Gauge has protective ring to resist damage. Swivel inlet coupling. 1.5” NH (38mm) thread is standard.
F15G300 - LINE PRESSURE GAUGE 1.5” NH (38mm) - Same as F15G200 with liquid-filled 0-300 psi (0-21 bar) gauge.

J25G200F
J25G300F

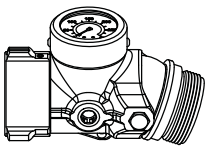
2.2 lb (1.0kg)
6.40" (16.2cm)



J25G200F - IN-LINE PITOT PRESSURE GAUGE 2.5” NH (65mm) - Liquid-filled 0-200 psi (0-14 bar) gauge designed for use on standpipes, truck outlets, on the ground, or where having a pressure reading is advantageous. System includes a protective ring and lens cover for the pressure gauge. Swivel inlet coupling. 2.5” NH (65mm) thread is standard.
J25G300F - IN-LINE PITOT PRESSURE GAUGE 2.5” NH (65mm) - Same as J25G200F above with liquid-filled 0-300 psi (0-21 bar) gauge.

J25G200S
J25G300S

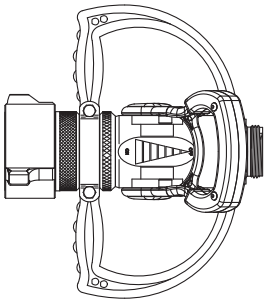
3.0 lb (1.6kg)
8.00" (20.4cm)



J25G200S - IN-LINE PITOT PRESSURE GAUGE 2.5” NH (65mm) - Liquid-filled 0-200 psi (0-14 bar) gauge designed for use on standpipes, truck outlets, on the ground, or where having a pressure reading is advantageous. System includes a protective ring and lens cover for the pressure gauge. Swivel inlet coupling and +/- 20° pivoting outlet. 2.5” NH (65mm) thread is standard.
J25G300S - IN-LINE PITOT PRESSURE GAUGE 2.5” NH (65mm) - Same as J25G200S above with liquid-filled 0-300 psi (0-21 bar) gauge.

H-2VPP

6.1 lb (2.8kg)
9.37" (23.9cm)



H-2VPP - PLAYPIPE W/VALVE 2.5” NH F X 1.5” NH M - (65mm x 38mm) Valved playpipe with 6 detent flow positions, positive action “click stop” detents, ball-type shutoff, and optional color coded handle covers. Rubber-coated, easy grip handles are designed to reduce fatigue. 2.5” (65mm) NH rocker lug full-time swivel inlet coupling, 1.5” (38mm) NH male outlet is standard. Use with FS-3STACK stack tip set for compliance with NFPA 1901 equipment requirements.

H-2PP
(not shown)

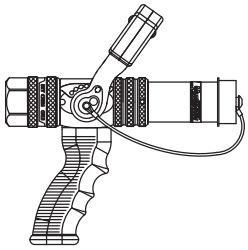
5.1 lb (2.3kg)
9.00" (23.9cm)

H-2PP - PLAYPIPE 2.5” NH F X 1.5” NH M (65mm x 38mm) (not shown) - Playpipe for use with hose coupled 2.5” (65mm). Rubber-coated, easy-grip handles are designed to reduce fatigue. No shutoff valve. Must be used with a nozzle with a shutoff valve. 2.5” (65mm) NH rocker lug full-time swivel inlet coupling and 1.5” (38mm) NH male outlet are standard.

SPECIALTY NOZZLES

BTFT-DC5
BTFT-DC5-ND

2.1 lb (1.0kg)
8.00" (20.3cm)

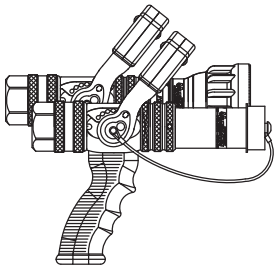


BTFT-DC5 DRY CHEM NOZZLE 5#/SEC 1.0" NPT (25mm) - The dry chemical nozzle is designed for an application rate of 5 pounds per second (2.3kg/sec), utilizes the same slide-valve design as used for water application and a special front end designed for dry chemicals. The front end consists of the valve seat, a set of straightening fins, a straight through barrel section, and is designed to withstand the abrasive impact of the dry chemical agent. The nozzle operator can select from six valve settings to flow an appropriate rate of dry chemical agent up to the limit of the system. Effective reach of the cloud is 75 feet (23m) at full flow and proportionately less at partial valve settings. There is no adjustment of pattern shape. 1" NPT (25mm) swivel inlet is standard.
BTFT-DC5-ND - Same as above but with 1" NH (25mm) swivel inlet.

B-DUAL
B-DUAL-ND

3.0 lb (1.4kg)
9.00" (22.9cm)

B-DC1040BC
(not shown)



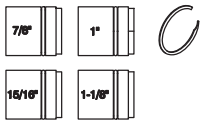
B-DUAL DUAL AGENT NOZZLE 1.0" NPT (25mm) SWIVEL INLETS The nozzle for use with water or AFFF is identical to the B-BH (page 24) TFT ULTIMATIC 125 nozzle with the exception of the pipe thread inlet. It has fully automatic pressure control regulated to approximately 100 psi (7 bar) throughout the flow range of 10-125 gpm (40-500 l/min). Accepts the FJ-U FoamJet attachment. Mounted with BTFT-DC5 on single pistol grip.

B-DUAL-ND - Same as above but with 1" NH (25mm) swivel inlets.
B-DC1040BC DUAL AGENT NOZZLE 1.0" NH (25mm) INLETS The nozzle for use with water or AFFF is identical to the DS1040BC (page 10) TFT BubbleCup nozzle with the exception of the pipe thread inlet. (Nozzle is not pictured.)

ACCESSORIES

F140SBI

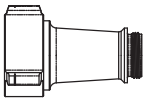
0.2 lb (0.1kg)
1.56" (4.0cm)



F140SBI - SMOOTH BORE INSERT KIT - a compact way to combine a smooth bore, shut off, and fog nozzle. TFT has reduced the weight and length of the total assembly by placing the smooth bore nozzle inside the actual ball valve. Comes standard with 7/8", 15/16", 1.0" and 1-1/8" (22mm, 24mm, 25mm and 28mm) smooth bore inserts. The changeover from one size to another requires no tools. Simply slide the tip out the BACK of the valve and slide in the new size. Fits H-VO and H-2V0 series ball valves.

JSST10

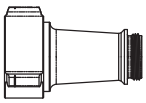
1.8 lb (0.7kg)
5.90" (14.9cm)



JSST10 STRAIGHT TIP 1.125 BORE X 2.5"FEMALE INLET with smooth inside taper to 1.5" (38mm) threaded male outlet. 2.5" (65mm) NH rocker lug full-time swivel coupling inlet standard. All lightweight materials.

JSST11

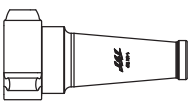
1.8 lb (0.7kg)
5.90" (14.9cm)



JSST11 STRAIGHT TIP 1.25 BORE X 2.5"FEMALE INLET with smooth inside taper to 1.5" (38mm) threaded male outlet. 2.5" (65mm) NH rocker lug full-time swivel coupling inlet standard. All lightweight materials.

JSS11

1.8 lb (0.7kg)
7.93" (20.1cm)



JSS11 STRAIGHT TIP - 2.5"NH (65mm) INLET with smooth inside taper to 1 ¼" (32mm) tip. This lightweight tip is hardcoat anodized and has easy to read pressure/flow charts laser engraved. 2.5"(65mm) NH rocker lug full-time swivel coupling inlet standard. All lightweight materials.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

SEE CHART

0.4-0.7 lb
(0.2-0.3kg)
4-3/16"- 5"
(10.6-12.7cm)

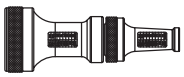


FSS - STRAIGHT TIP - with smooth inside taper. 1.5" NH (38mm) thread is standard.
*Please specify model # and orifice when ordering.

Model #	ORIFICE	Model #	ORIFICE
FSS3	1-1/16 (27mm)	FSS12	15/16" (24mm)
FSS5	1/2" (12mm)	FSS9	1" (25mm)
FSS6	5/8" (16mm)	FSS10	1-1/8" (28mm)
FSS7	3/4" (19mm)	FSS4	1-3/16"(30mm)
FSS8	7/8" (22mm)	FSS11	1-1/4" (32mm)

FSNYSTACK

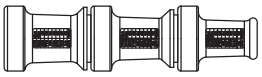
0.8 lb (0.4kg)
6.62" (16.9cm)



FSNYSTACK - NEW YORK STACK TIP - 1.5" NH INLET - 15/16" (24mm) and 1/2" (12mm) Dual stacked tips. Base tip has a 15/16" (24mm) bore with 1.5" (38mm) NH female thread inlet. Top tip has a 1/2" (13mm) bore with male threads. Base tip outlet has female threads for durability. Easy to read pressure/flow charts are laser engraved. 1.5" NH (38mm) inlet thread is standard.

FS-3STACK

1.3 lb (0.6kg)
10.50" (26.7cm)



FS-3STACK - NFPA STACKED TIPS 1.5" (38mm) INLET - These lightweight tips are hardcoat anodized, and have pressure/flow charts laser engraved on each tip. Orifice openings are 1-1/4, 1-1/8", and 1" (32mm, 28mm and 25mm). Use with valved playpipe H-2VPP for compliance with NFPA 1901 equipment requirements. Each tip is threaded 1.5" NH (38mm).

MST-2NJ

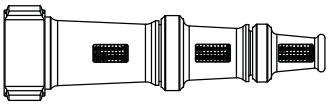
2.3 lb (1.0kg)
11.70" (30.0cm)

MST-5NJ

3.0 lb (1.4kg)
11.70" (30.0cm)

MST-6NJ

2.3 lb (1.0kg)
13.30" (34.0cm)



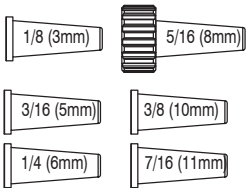
Tether / Retention kit is available
on page 202 (TETHER01-KIT)

Designed for monitor use, these lightweight tips are hardcoat anodized, allow three orifice options in one, and have pressure/flow charts laser engraved on each tip. 2.5" NH (65mm) swivel coupling is standard.

Model #	Orifice Openings
MST-2NJ	1.25", 1.125", and 1.0". (32mm, 29mm, and 25mm)
MST-5NJ	1.75", 1.5", and 1.375". (44mm, 38mm, and 35mm)
MST-6NJ	2", 1.5", and 0.75". (51mm, 38mm, and 19mm)

DSB

0.4 lb (0.2kg)
3.37" (8.6cm)



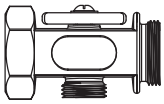
DSB - 1" NH SMOOTH BORE SET (25mm) - 1" (25mm) smooth bore insert "Six Pack" contains 6 smooth bore inserts (1/8", 3/16", 1/4", 5/16", 3/8", & 7/16" orifice sizes) (3, 5, 6, 8, 10 & 11mm) and an NH threaded coupling with gasket. The Six Pack allows you to change smooth bore orifice sizes by simply removing and replacing a rubber gasket from a hardcoat anodized aluminum coupling. There are 6 different orifice sizes included with each order. These inserts can be easily interchanged depending on the situation. The inserts are made from a lightweight and durable black nylon. 1" NH (25mm) thread is standard.

Forestry Tee Valves, In-Line Valves and Gated Wyes

TEE VALVE has a hard coat anodized cast aluminum body with 1.5” (38mm) threads and 1.0” (25mm) branch outlet. The valve stem has a durable nylon handle. The 2.5” (6.4cm) hexagon body is 4.75” (12.1cm) long.

AT*-*

1.0 lb (0.5kg)
4.75" (12.1cm)

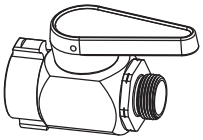


AT INLET/OUTLET	TEE VALVE BRANCH	
	1.0” NH (25mm)	1.0” NPSH (25mm)
1.5” NH (38mm)	ATNF-ND	ATNF-ID
1.5” NPSH (38mm)	ATIF-ND	ATIF-ID

IN-LINE VALVE has an aluminum body with 1” (25mm) ball type valve and optional long or short nylon valve handles. Hardcoat anodized finish. Inlet and outlet thread choices are listed in charts below for model numbers. 4” (10.2cm) long by 2.25” (5.7cm) wide, excluding handles. **NPSH threads available at no extra cost. Please specify NPSH in description.**

AVL*-*
(long handle)

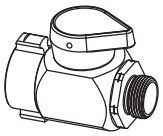
1.4 lb (0.6kg)
4.00" (10.2cm)



AVL INLET	LONG HANDLE IN-LINE VALVE OUTLET	
	1.0” NH (25mm)	1.5” NH (38mm)
1.0” NH (25mm)	AVLND-ND	
1.5” NH (38mm)	AVLNF-ND	AVLNF-NF

AVS*-*
(short handle)

1.4 lb (0.6kg)
4.00" (10.2cm)

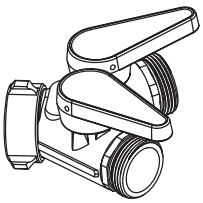


AVS INLET	SHORT HANDLE IN-LINE VALVE OUTLET	
	1.0” NH (25mm)	1.5” NH (38mm)
1.0” NH (25mm)	AVSND-ND	
1.5” NH (38mm)	AVSNF-ND	AVSNF-NF

FORESTRY GATED WYE has a cast aluminum body with 1” (25mm) ball type valves and optional long or short nylon valve handles. Hardcoat anodized finish. Inlet and outlet threads are available in various combinations of 1” & 1.5” NH and NPSH. Pressure tested to 1000 psi (70 bar) and is 5” (12.7cm) long by 5.5” (14cm) wide, excluding handles. See charts below for model numbers. **NPSH threads available at no extra cost. Please specify NPSH in description.**

AYL*-*
(long handle)

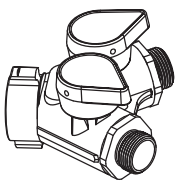
2.2 lb (1.0kg)
5.00" (12.7cm)



AYL INLET	LONG HANDLE FORESTRY GATED WYE OUTLET	
	1.0” NH (25mm)	1.5” NH (38mm)
1.0” NH (25mm)	AYLND-ND	AYLND-NF
1.5” NH (38mm)	AYLNF-ND	AYLNF-NF

AYS*-*
(short handle)

2.2 lb (1.0kg)
5.00" (12.7cm)



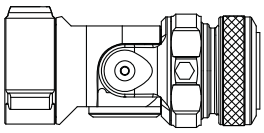
AYS INLET	SHORT HANDLE FORESTRY GATED WYE OUTLET	
	1.0” NH (25mm)	1.5” NH (38mm)
1.0” NH (25mm)	AYSND-ND	
1.5” NH (38mm)	AYSNF-ND	AYSNF-NF

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

The Flip Tip 2 can quickly and securely be switched between two nozzles during firefighting operations. The smoothbore model allows selection between a front and a rear smooth bore nozzle. The Max-Series model allows selection with a front Max-Series (Max-Force, Max-Matic, or Max-Flow) nozzle and a rear smoothbore. Intended to be used on portable or fixed monitors such as the BlitzFire or CrossFire. Standard inlet is 2.5"NH (65 mm) rocker lug swivel.

FTJJ21

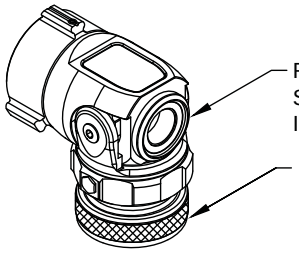
5.6 lb (2.5 kg)
8.60" (22 cm)



FTJ			

(Choose Inlet, Rear & Front Nozzle from chart below)
Rear Nozzle MUST be larger than Front Nozle
Example: A 2.5" Rocker lug Female Swivel Inlet with a rear 1-1/4" nozzle and a front 1" nozzle would be

FTJ	J	2	1

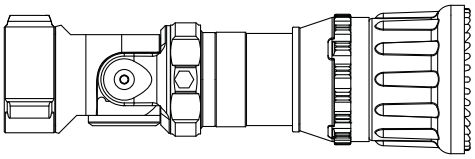


Flip Tip2 with SmoothBore Front Nozzle

Series	Inlet		Rear Nozzle		Front Nozzle	
FTJ	J	2 1/2" NH Female			1	1.00 inch
			2	1 1/4 inch	2	1 ¼ inch
			3	1 3/8 inch	3	1 3/8 inch
			4	1 1/2 inch	4	1 ½ inch
			5	1 ¾ inch		
			6	2.00 inch		

FTMJ5A

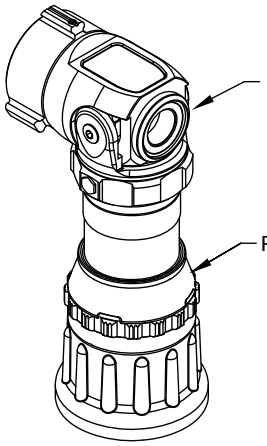
9.8 lb (4.5 kg)
15.00" (38 cm)



FTM				

(Choose Inlet, Rear & Front Nozzle from chart below)
Example: A 2.5" Rocker lug Female Swivel Inlet with a rear 1-3/4" nozzle and a front Max-Force Dual Pressure Automatic nozzle would be

FTM	J	5	A



Flip Tip2 with Max-Series Front Nozzle

Series	Inlet		Rear Nozzle		Front Nozzle	
FTM	J	2 1/2" NH Female			A	Max-Force
			3	1 3/8 inch	B	Max-Flow
			4	1 1/2 inch	C	Max-Matic 80 psi
			5	1 3/4 inch	D	Max-Matic 100 psi
			6	2.00 inch		

See page 56 for specifications on Front Nozzle choices.

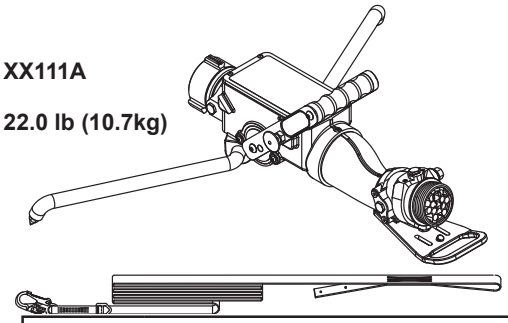
BLITZFIRE®

Portable Monitor with Safety Shut-Off Valve

The Task Force Tips' Blitzfire is a simple, light, and highly maneuverable attack monitor. The Blitzfire's low elevation angle makes it suitable for use indoors. It can go anywhere a handline goes while delivering much more water. If the Blitzfire starts to slide or lift, the SAFETY SHUT-OFF VALVE automatically shuts off the flow of water. This patented safety feature reduces the risk of injury from an out-of-control appliance. The shut-off action slows near stroke end to reduce the effects of water hammer. To reset the flow, simply open the valve to any of six detent flow positions with the turbulence-free slide valve. The Blitzfire's discharge pivots make directing the stream extremely quick and effortless. Outlet has built-in stream shaper. A unique up/down pivot on the hose inlet allows the monitor to have stability even on porches, stair landings or the like. An anchor strap is included for safe operation on slick surfaces like marble floors. The main body is hardcoat anodized aluminum with a blue TFT powder coat finish inside and out.

XX111A

22.0 lb (10.7kg)



XX111A BLITZFIRE MONITOR Flow range up to 500 gpm (2000 l/min). The monitor features low friction inlet and outlet pivots. Outlet has built-in stream shaper. Elevation is manually adjustable between 10 and 46 degrees above horizontal. Horizontal rotation is manually adjustable 20 degrees either side of center. The SAFETY SHUT-OFF VALVE will shut off flow if monitor slides or lifts. It has six detent flow positions with a patented turbulence free slide valve for operator flow control. When the legs are folded, the carbide tips point up for carrying safety. The heavy-duty carbide tipped legs are easily folded out to a wide deployed stance. Stowed in storage bracket overall size is 29.5"L x 8.1"W x 8.5"H (74.9 x 20.6 x 21.6 cm). Standard inlet is 2.5" NH (65mm) rocker lug swivel coupling. Standard outlet is 2.5" NH (65mm) rigid male threads.

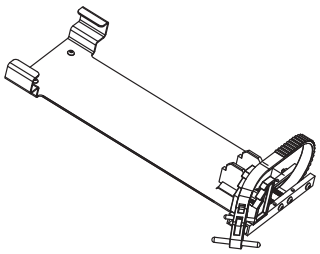
Models with Specific Inlets and Flow/Pressure Specifications

Model	Description	Additional Description
XXP112A	BlitzFire Portable Monitor 2.5" BSP Inlet and Outlet	2000 l/min w/integrated tie down strap w/integrated safety valve
XXP122A	BlitzFire Portable Monitor 2.5" BSP Male Inlet and Outlet	2000 l/min w/integrated tie down strap w/integrated safety valve
XXP212A	BlitzFire Oscillating Portable Monitor 2.5" BSP Inlet and Outlet	2000 l/min w/integrated tie down strap w/integrated safety valve
XXP222A	BlitzFire Oscillating Portable Monitor 2.5" BSP Male Inlet and Outlet	2000 l/min w/integrated tie down strap w/integrated safety valve
XXP292A	BlitzFire Portable Monitor 4.0" BSP Male Inlet and 2.5" Female Outlet	2000 l/min w/integrated tie down strap w/integrated safety valve

There are additional models in this series, not listed here, that have international certifications and approvals. Please refer to pages 232-233 or www.tft.com for additional information.

XX-B

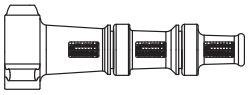
3.4 lb (1.5kg)



XX-B STORAGE BRACKET BLITZFIRE This stainless steel and hard coat aluminum storage bracket can be mounted for rapid deployment of a pre-connected Blitzfire. Mount on any accessible vertical or horizontal surface. Comes complete with mounting screws. 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1cm)

MST-3NJ

2.3 lb (1.0kg)
11.80" (3.0cm)



MST-3NJ 3 STACKED TIPS Hardcoat anodized aluminum alloy for maximum corrosion protection. Flow charts for each tip are lasered. Tip sizes are 1.5", 1.25", and 1.0" (38, 32 and 25mm) diameter. Small tips may be removed for break and extend operations with a 1.5" NH (38mm) hose thread. Standard swivel inlet is 2.5" NH (65mm).

MAX-SERIES NOZZLES

See page 68 for Max-Series Nozzle Specifications.

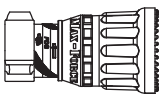
FoamJet Model for Max-Series
FJ-MX-MD (page 45)

MAX-FORCE

MD12A

6.7 lb (3.0kg)
9.00" (22.9cm)

Dual Pressure Automatic



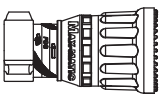
MAX-MATIC

MD18A

MD17A

6.5 lb (2.9kg)
9.00" (22.9cm)

Automatic

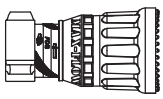


MAX-FLOW

MD14A

6.5 lb (2.9kg)
9.00" (22.9cm)

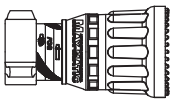
Fixed Flow



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

How to order a Max-Series Nozzle

Choose one option from each category. For example, Model MD27A is a MAX-MATIC low pressure 80 psi (6 bar) automatic nozzle with BSP threads. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.



MD **A**

INLET (Swivel)	PRESSURE FLOW OPTIONS
1) NH FEMALE	2 = Dual Pressure 55 / 100 PSI (4/7 bar)
2) BSP FEMALE	4 = Fixed Gallonage 500 GPM (2000 l/min)
3) NPSH FEMALE	7 = Automatic Low Pressure 80 PSI (6 bar)
4) SPECIAL THREADS	8 = Automatic 100 PSI (7 bar)

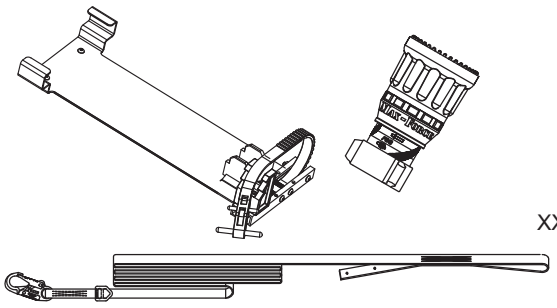
BLITZFIRE®

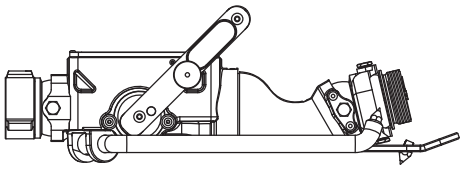
Combination Packages

Portable Monitor with Safety Shut-Off Valve

XXC-32

XXC-32NB



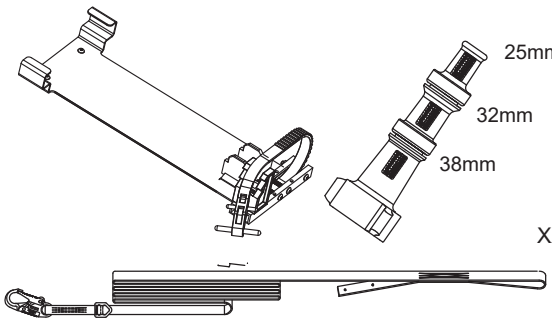


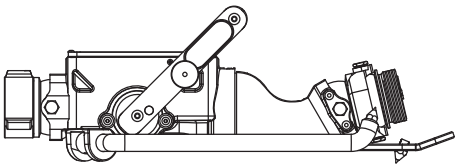
XXC-32 PACKAGE CONTAINS:
BLITZFIRE MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
MAX-SERIES TIP **(Specify Inlet & Model)**

Package does not include storage bracket

XXC-42

XXC-42NB



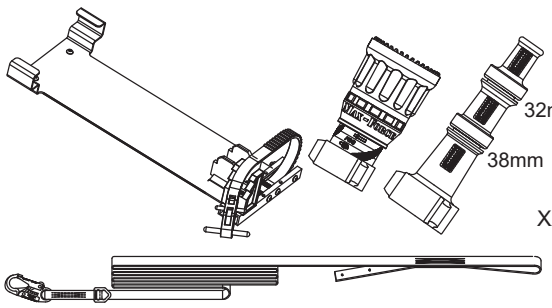


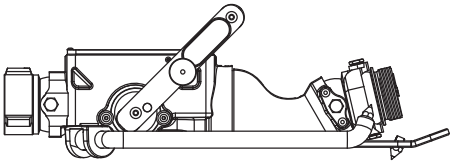
XXC-42 PACKAGE CONTAINS:
BLITZFIRE MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
3 STACKED TIPS **(Specify Inlet)**

Package does not include storage bracket

XXC-52

XXC-52NB





XXC-52 PACKAGE CONTAINS:
BLITZFIRE MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
MAX-SERIES TIP **(Specify Inlet & Model)**
3 STACKED TIPS **(Specify Inlet)**

Package does not include storage bracket

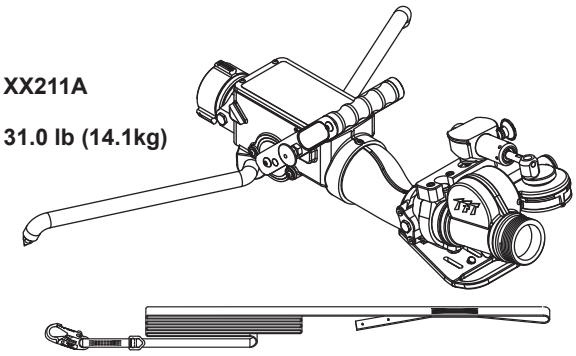
Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPST-3BJ	3 Stacked Tips 2.5" Female BSP Inlet No Laser Markings	25 - 32 - 38mm Tips

BLITZFIRE OSC®

Oscillating Monitor

XX211A

31.0 lb (14.1kg)

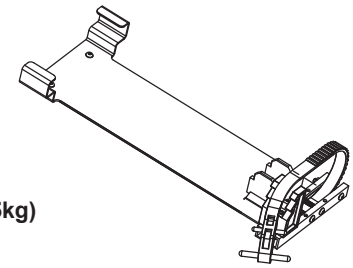


XX211A BLITZFIRE OSCILLATING MONITOR Flow range up to 500 gpm (2000 l/min). The monitor features low friction inlet and outlet pivots. Elevation is manually adjustable between 10 and 46 degrees above horizontal. The water driven turbine makes the nozzle automatically sweep 10, 15, or 20 degrees either side of center. The oscillating mechanism can be disengaged and horizontal rotation moved manually. The SAFETY SHUT-OFF VALVE will shut off flow if monitor slides or lifts. It has six detent flow positions with a patented turbulence-free slide valve for operator flow control. When the legs are folded, the carbide tips point up for carrying safety. The heavy-duty carbide tipped legs are easily folded out to a wide deployed stance. Stowed in storage bracket overall size is 34.8"L x 10.5"W x 9.6"H (88.4 x 26.7 x 24.4 cm). Standard inlet is 2.5" NH (65mm) swivel rocker lug coupling. Standard outlet is 2.5" NH rigid male threads.

Add Oscillating Feature to an existing Blitzfire. Contact Service Department at 1-800-348-2686.

XX-B

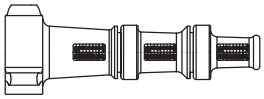
3.4 lb (1.5kg)



XX-B STORAGE BRACKET BLITZFIRE This stainless steel and hard coat aluminum storage bracket can be mounted for rapid deployment of a pre-connected Blitzfire. Mount on any accessible vertical or horizontal surface. Comes complete with mounting screws. 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1cm)

MST-3NJ

2.3 lb (1.0kg)
11.80" (3.0cm)



MST-3NJ 3 STACKED TIPS Hardcoat anodized aluminum alloy for maximum corrosion protection. Flow charts for each tip are lasered. Tip sizes are 1.5", 1.25", and 1.0" (38, 32 and 25mm) diameter. Small tips may be removed for break and extend operations with a 1.5" NH (38mm) hose thread. Standard swivel inlet is 2.5" NH (65mm).

There are additional models in this series, not listed here, that have international certifications and approvals.
Please refer to pages 232-233 or www.tft.com for additional information.

MAX-SERIES NOZZLES

FoamJet Model for Max-Series
FJ-MX-MD (page 45)

MAX-FORCE

MD12A

6.7 lb (3.0kg)
9.00" (22.9cm)

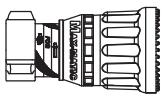


MD12A MAX-FORCE DUAL PRESSURE AUTOMATIC TIP 2.5" NH (65mm) - with a flow capacity of 100-500 gpm (400-2000 l/min). The nozzle may be switched between standard 100 psi (7bar) and a low pressure mode 55 psi (4bar) by twisting a knob on the front of the nozzle. The pattern adjusts from straight stream to a 120 degree wide fog. Further rotation opens the tip to flush 3/8" (10mm) debris without shutting down. Hardcoat anodized aluminum with rubber bumper. Standard inlet is 2.5"NH (65mm) rocker lug swivel.

MAX-MATIC

MD18A
MD17A

6.5 lb (2.9kg)
9.00" (22.9cm)

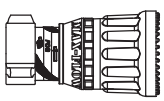


MD18A MAX-MATIC 100 PSI AUTOMATIC TIP 2.5" NH (65mm) - Automatic pressure control with a flow capacity of 100-500 gpm (400-2000 l/min). The nozzle operates at a standard 100 psi (7bar). The pattern adjusts from straight stream to a 120 degree wide fog. Further rotation opens the nozzle to flush 3/8" (10mm) debris without shutting down. Hardcoat anodized aluminum with rubber bumper. Standard inlet is 2.5" NH (65mm) rocker lug swivel.
MD17A MAX-MATIC 80 PSI - LOW PRESSURE VERSION – Same as MD18A above, but operates at a low pressure of approximately 80 psi (6bar).

MAX-FLOW

MD14A

6.5 lb (2.9kg)
9.00" (22.9cm)

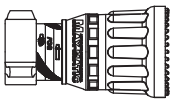


MD14A MAX-FLOW 500 GPM FIXED GALLONAGE - (2000 l/min) The fixed orifice tip is ideal for high rise attack when pressure fluctuations can be extreme. The nozzle will operate with pressures as low as 30 psi (2bar). The pattern adjusts from straight stream to a 120 degree wide fog. Further rotation opens the nozzle to flush 3/8" (10mm) debris without shutting down. Hardcoat anodized aluminum with rubber bumper. Standard inlet is 2.5"NH (65mm) rocker lug swivel.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

How to order a Max-Series Nozzle

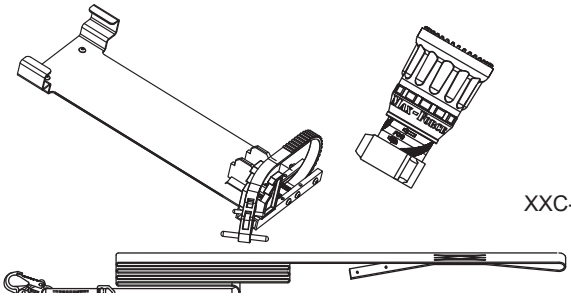
Choose one option from each category. For example, Model MD27A is a MAX-MATIC low pressure 80 psi (6 bar) automatic nozzle with BSP threads. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

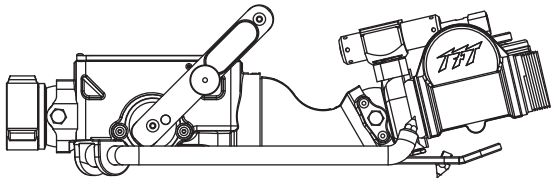


MD **A**

INLET (Swivel)	PRESSURE FLOW OPTIONS
1) NH FEMALE	2 = Dual Pressure 55 / 100 PSI (4/7 bar)
2) BSP FEMALE	4 = Fixed Gallonage 500 GPM (2000 l/min)
3) NPSH FEMALE	7 = Automatic Low Pressure 80 PSI (6 bar)
4) SPECIAL THREADS	8 = Automatic 100 PSI (7 bar)

OSC COMBINATION PACKAGES



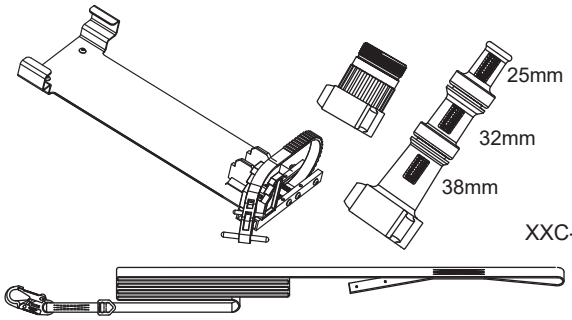


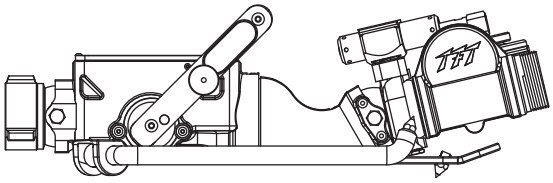
XXC-33

XXC-33NB

XXC-33 PACKAGE CONTAINS:
BLITZFIRE OSC MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
MAX-SERIES TIP **(Specify Inlet & Model)**

Package does not include storage bracket



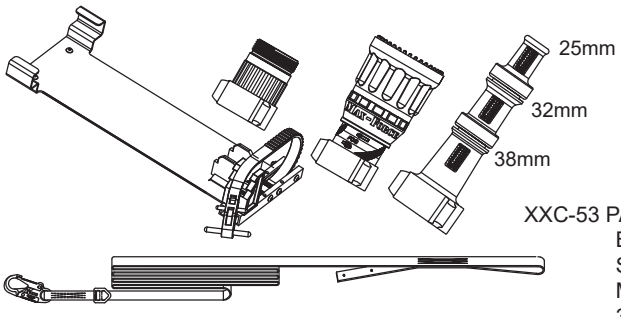


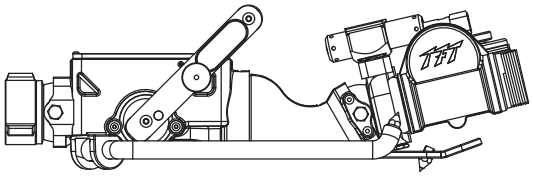
XXC-43

XXC-43NB

XXC-43 PACKAGE CONTAINS:
BLITZFIRE OSC MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
3 STACKED TIPS **(Specify Inlet)**
5” (125mm) STREAM STRAIGHTENER
(Specify Inlet & Outlet)

Package does not include storage bracket





XXC-53

XXC-53NB

XXC-53 PACKAGE CONTAINS:
BLITZFIRE OSC MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
MAX-SERIES TIP **(Specify Inlet & Model)**
3 STACKED TIPS **(Specify Inlet)**
5” (125mm) STREAM STRAIGHTENER
(Specify Inlet & Outlet)

Package does not include storage bracket

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPST-3BJ	3 Stacked Tips 2.5” Female BSP Inlet No Laser Markings	25 - 32 - 38mm Tips

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

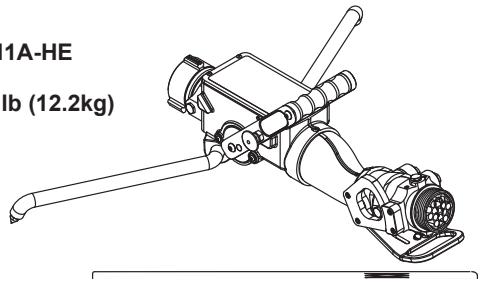
BLITZFIRE® HE

High Elevation Portable Monitor with Safety Shut-Off Valve

The Task Force Tips' Blitzfire High Elevation is a simple, light, and highly maneuverable attack monitor. The Blitzfire's low elevation angle makes it suitable for use indoors. It can go anywhere a handline goes while delivering much more water. If the Blitzfire starts to slide or lift, the SAFETY SHUT-OFF VALVE automatically shuts off the flow of water. This patented safety feature reduces the risk of injury from an out-of-control appliance. The shut-off action slows near stroke end to reduce the effects of water hammer. To reset the flow, simply open the valve to any of six detent flow positions with the turbulence-free slide valve. The Blitzfire's discharge pivots make directing the stream extremely quick and effortless. Outlet has built-in stream shaper. A unique up/down pivot on the hose inlet allows the monitor to have stability even on porches, stair landings or the like. An anchor strap is included for safe operation on slick surfaces like marble floors. The main body is hardcoat anodized aluminum with a blue TFT powder coat finish inside and out.

XX111A-HE

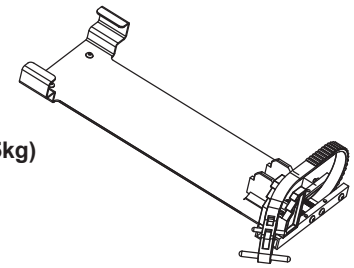
26.8 lb (12.2kg)



XX111A-HE BLITZFIRE MONITOR Flow range up to 500 gpm (2000 l/min). The monitor features low friction inlet and outlet pivots. Outlet has built-in stream shaper. Elevation is manually adjustable between 10 and 86 degrees above horizontal. Horizontal rotation is manually adjustable 20 degrees either side of center. The SAFETY SHUT-OFF VALVE will shut off flow if monitor slides or lifts. It has six detent flow positions with a patented turbulence free slide valve for operator flow control. When the legs are folded, the carbide tips point up for carrying safety. The heavy-duty carbide tipped legs are easily folded out to a wide deployed stance. Stowed in storage bracket overall size is 29.5"L x 8.1"W x 8.5"H (74.9 x 20.6 x 21.6 cm). Standard inlet is 2.5" NH (65mm) rocker lug swivel coupling. Standard outlet is 2.5" NH (65mm) rigid male threads.

XX-B

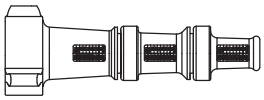
3.4 lb (1.5kg)



XX-B STORAGE BRACKET BLITZFIRE This stainless steel and hard coat aluminum storage bracket can be mounted for rapid deployment of a pre-connected Blitzfire. Mount on any accessible vertical or horizontal surface. Comes complete with mounting screws. 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1cm)

MST-3NJ

2.3 lb (1.0kg)
11.80" (3.0cm)



MST-3NJ 3 STACKED TIPS Hardcoat anodized aluminum alloy for maximum corrosion protection. Flow charts for each tip are lasered. Tip sizes are 1.5", 1.25", and 1.0" (38, 32 and 25mm) diameter. Small tips may be removed for break and extend operations with a 1.5" NH (38mm) hose thread. Standard swivel inlet is 2.5" NH (65mm).

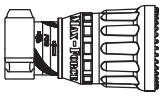
MAX-SERIES NOZZLES

FoamJet Model for Max-Series
FJ-MX-MD - Page 45

MAX-FORCE

MD12A

6.7 lb (3.0kg)
9.00" (22.9cm)

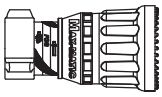


MD12A MAX-FORCE DUAL PRESSURE AUTOMATIC TIP 2.5" NH (65mm) - with a flow capacity of 100-500 gpm (400-2000 l/min). The nozzle may be switched between standard 100 psi (7bar) and a low pressure mode 55 psi (4bar) by twisting a knob on the front of the nozzle. The pattern adjusts from straight stream to a 120 degree wide fog. Further rotation opens the tip to flush 3/8" (10mm) debris without shutting down. Hardcoat anodized aluminum with rubber bumper. Standard inlet is 2.5"NH (65mm) rocker lug swivel.

MAX-MATIC

MD18A
MD17A

6.5 lb (2.9kg)
9.00" (22.9cm)

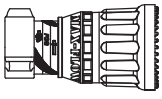


MD18A MAX-MATIC 100 PSI AUTOMATIC TIP 2.5" NH (65mm) - Automatic pressure control with a flow capacity of 100-500 gpm (400-2000 l/min). The nozzle operates at a standard 100 psi (7bar). The pattern adjusts from straight stream to a 120 degree wide fog. Further rotation opens the nozzle to flush 3/8" (10mm) debris without shutting down. Hardcoat anodized aluminum with rubber bumper. Standard inlet is 2.5" NH (65mm) rocker lug swivel.
MD17A MAX-MATIC 80 PSI - LOW PRESSURE VERSION – Same as MD18A above, but operates at a low pressure of approximately 80 psi (6bar).

MAX-FLOW

MD14A

6.5 lb (2.9kg)
9.00" (22.9cm)

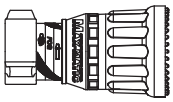


MD14A MAX-FLOW 500 GPM FIXED GALLONAGE - (2000 l/min) The fixed orifice tip is ideal for high rise attack when pressure fluctuations can be extreme. The nozzle will operate with pressures as low as 30 psi (2bar). The pattern adjusts from straight stream to a 120 degree wide fog. Further rotation opens the nozzle to flush 3/8" (10mm) debris without shutting down. Hardcoat anodized aluminum with rubber bumper. Standard inlet is 2.5"NH (65mm) rocker lug swivel.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

How to order a Max-Series Nozzle

Choose one option from each category. For example, Model MD27A is a MAX-MATIC low pressure 80 psi (6 bar) automatic nozzle with BSP threads. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.



MD | | **A**

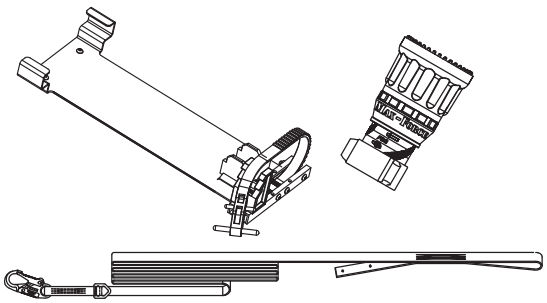
INLET (Swivel)	PRESSURE FLOW OPTIONS
1) NH FEMALE	2 = Dual Pressure 55 / 100 PSI (4/7 bar)
2) BSP FEMALE	4 = Fixed Gallonage 500 GPM (2000 l/min)
3) NPSH FEMALE	7 = Automatic Low Pressure 80 PSI (6 bar)
4) SPECIAL THREADS	8 = Automatic 100 PSI (7 bar)

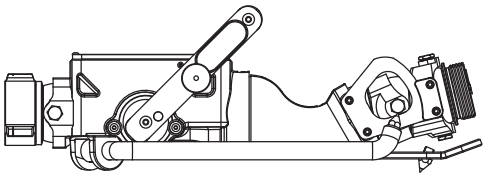
Combination Packages

Portable Monitor with Safety Shut-Off Valve

XXC-32-HE

XXC-32-HENB



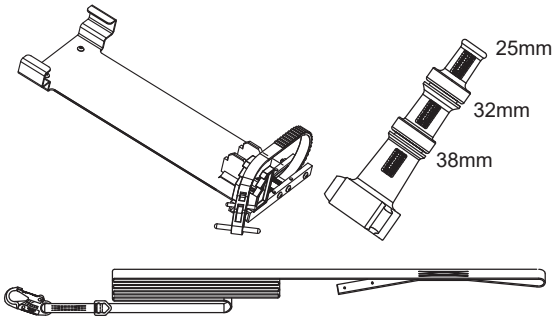


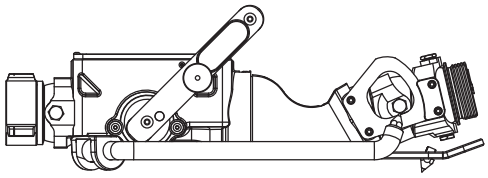
XXC-32 PACKAGE CONTAINS:
BLITZFIRE MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
MAX-SERIES TIP **(Specify Inlet & Model)**

Package does not include storage bracket

XXC-42-HE

XXC-42-HENB



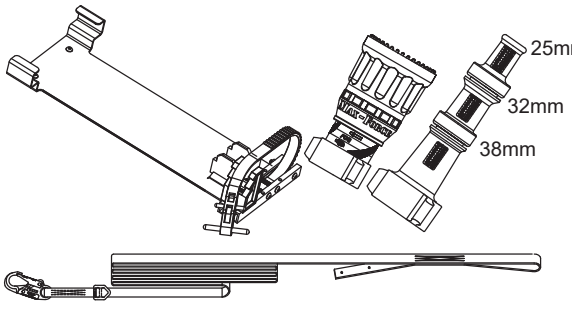


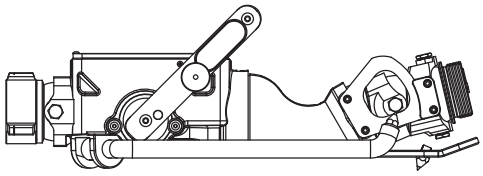
XXC-42 PACKAGE CONTAINS:
BLITZFIRE MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
3 STACKED TIPS **(Specify Inlet)**

Package does not include storage bracket

XXC-52-HE

XXC-52-HENB





XXC-52 PACKAGE CONTAINS:
BLITZFIRE MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
MAX-SERIES TIP **(Specify Inlet & Model)**
3 STACKED TIPS **(Specify Inlet)**

Package does not include storage bracket

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPST-3BJ	3 Stacked Tips 2.5" Female BSP Inlet No Laser Markings	25 - 32 - 38mm Tips

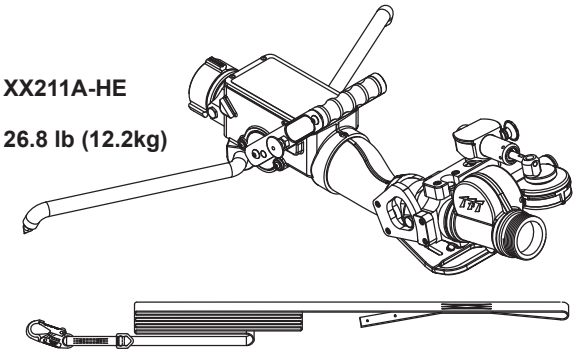
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BLITZFIRE HE OSC

High Elevation Oscillating Monitor

XX211A-HE

26.8 lb (12.2kg)



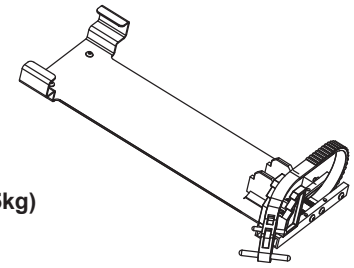
XX211A-HE BLITZFIRE OSCILLATING MONITOR Flow range up to 500 gpm (2000 l/min). The monitor features low friction inlet and outlet pivots. Elevation is manually adjustable between 10 and 86 degrees above horizontal. The water driven turbine makes the nozzle automatically sweep 10, 15, or 20 degrees either side of center. The oscillating mechanism can be disengaged and horizontal rotation moved manually. The SAFETY SHUT-OFF VALVE will shut off flow if monitor slides or lifts. It has six detent flow positions with a patented turbulence-free slide valve for operator flow control. When the legs are folded, the carbide tips point up for carrying safety. The heavy-duty carbide tipped legs are easily folded out to a wide deployed stance. Stowed in storage bracket overall size is 37.3"L x 10.5"W x 9.5"H (94.7 x 26.7 x 24.4 cm). Standard inlet is 2.5" NH (65mm) swivel rocker lug coupling. Standard outlet is 2.5" NH rigid male threads.

Add Oscillating Feature to an existing Blitzfire. Contact Service Department at 1-800-348-2686.

There are models of this series, not listed here, that have international certifications and approvals. Please refer to pages 265-257 or www.tft.com for additional information.

XX-B

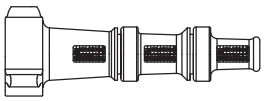
3.4 lb (1.5kg)



XX-B STORAGE BRACKET BLITZFIRE This stainless steel and hard coat aluminum storage bracket can be mounted for rapid deployment of a pre-connected Blitzfire. Mount on any accessible vertical or horizontal surface. Comes complete with mounting screws. 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1cm)

MST-3NJ

2.3 lb (1.0kg)
11.80" (3.0cm)



MST-3NJ 3 STACKED TIPS Hardcoat anodized aluminum alloy for maximum corrosion protection. Flow charts for each tip are lasered. Tip sizes are 1.5", 1.25", and 1.0" (38, 32 and 25mm) diameter. Small tips may be removed for break and extend operations with a 1.5" NH (38mm) hose thread. Standard swivel inlet is 2.5" NH (65mm).

MAX-SERIES NOZZLES

See page 88 for Max-Series Nozzle Specifications.

FoamJet Model for Max-Series FJ-MX-MD (page 37)

MAX-FORCE

MD12A

6.7 lb (3.0kg)
9.00" (22.9cm)

Dial Pressure Automatic



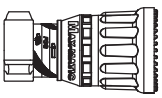
MAX-MATIC

MD18A

MD17A

6.5 lb (2.9kg)
9.00" (22.9cm)

Automatic

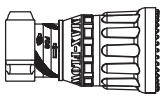


MAX-FLOW

MD14A

6.5 lb (2.9kg)
9.00" (22.9cm)

Fixed Flow

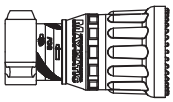


Models with Specific Inlets and Flow/Pressure Specifications		
Model	**Description**	**Additional Description**
MDP22A	Max-Force Tip 2.5" BSP Inlet	400-2000 l/min @ 7bar w/low pressure setting
MDPERP22A	Max-Force Remote Controlled Tip 2.5" BSP Inlet w/plug	400-2000 l/min @ 7bar w/low pressure setting
MDPERP28A	Max-Matic Remote Controlled Tip 2.5" BSP Inlet w/plug	400-2000 l/min @ 7bar w/single pressure setting

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

How to order a Max-Series Nozzle

Choose one option from each category. For example, Model MD27A is a MAX-MATIC low pressure 80 psi (6 bar) automatic nozzle with BSP threads. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.



MD ____ ____ **A**

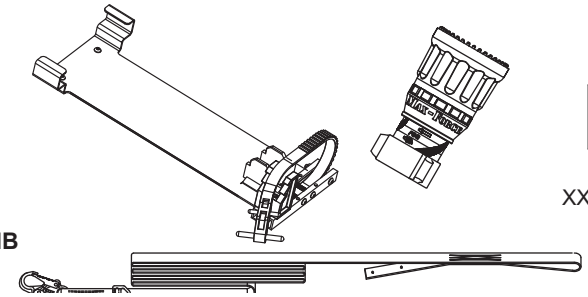
INLET (Swivel)	PRESSURE FLOW OPTIONS
1) NH FEMALE	2 = Dual Pressure 55 / 100 PSI (4/7 bar)
2) BSP FEMALE	4 = Fixed Gallonage 500 GPM (2000 l/min)
3) NPSH FEMALE	7 = Automatic Low Pressure 80 PSI (6 bar)
4) SPECIAL THREADS	8 = Automatic 100 PSI (7 bar)

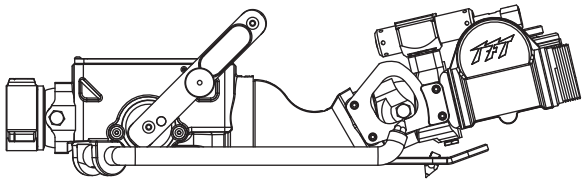
BLITZFIRE® HE OSC

Combination Packages — Portable Monitor with Safety Shut-Off Valve

XXC-33-HE

XXC-33-HENB



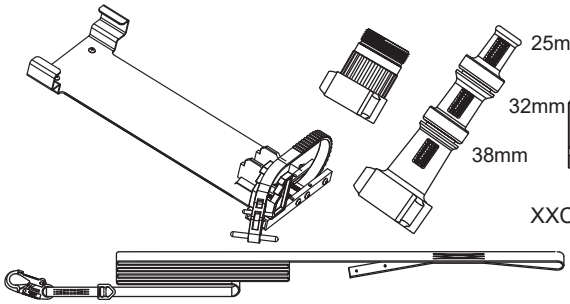


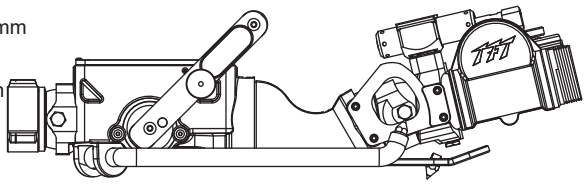
XXC-33-HE PACKAGE CONTAINS:
BLITZFIRE OSC MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
MAX-SERIES TIP **(Specify Inlet & Model)**

Storage Bracket not included

XXC-43-HE

XXC-43-HENB



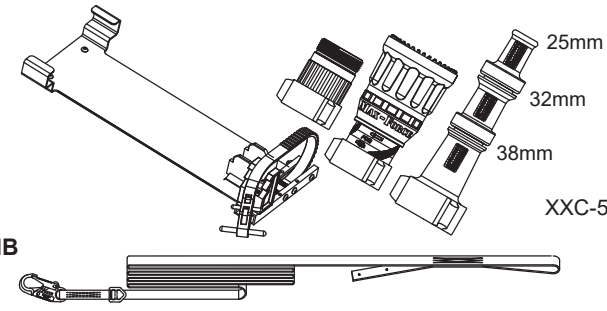


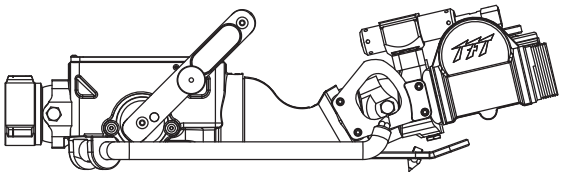
XXC-43-HE PACKAGE CONTAINS:
BLITZFIRE OSC MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
3 STACKED TIPS **(Specify Inlet)**
5” (125mm) STREAM STRAIGHTENER **(Specify Inlet & Outlet)**

Storage Bracket not included

XXC-53-HE

XXC-53-HENB





XXC-53-HE PACKAGE CONTAINS:
BLITZFIRE OSC MONITOR **(Specify Inlet & Outlet)**
STORAGE BRACKET (BLITZFIRE)
MAX-SERIES TIP **(Specify Inlet & Model)**
3 STACKED TIPS **(Specify Inlet)**
5” (125mm) STREAM STRAIGHTENER **(Specify Inlet & Outlet)**

Storage Bracket not included

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPST-3BJ	3 Stacked Tips 2.5” Female BSP Inlet No Laser Markings	25 - 32 - 38mm Tips

BLITZFIRE Package Order Assistance

XXC-32 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP

XXC-42 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
STACKED TIPS

XXC-52 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP
STACKED TIPS

XXC-32NB CONTAINS:
BLITZFIRE MONITOR
MAX-SERIES TIP

XXC-42NB CONTAINS:
BLITZFIRE MONITOR
STACKED TIPS

XXC-52NB CONTAINS:
BLITZFIRE MONITOR
MAX-SERIES TIP
STACKED TIPS

XXC-33 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP

XXC-43 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
STACKED TIPS

XXC-53 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP
STACKED TIPS

XXC-33NB CONTAINS:
BLITZFIRE MONITOR
MAX-SERIES TIP

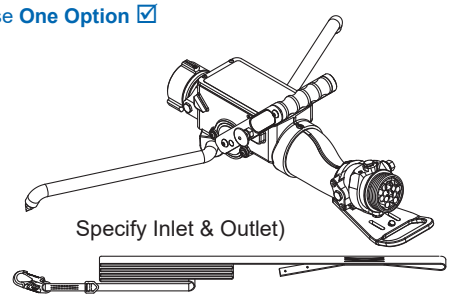
XXC-43NB CONTAINS:
BLITZFIRE MONITOR
STACKED TIPS

XXC-53NB CONTAINS:
BLITZFIRE MONITOR
MAX-SERIES TIP
STACKED TIPS

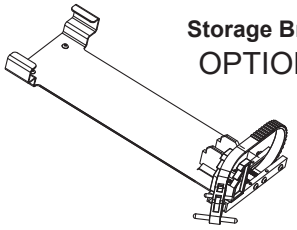
MONITOR

Choose **One Option** ☑

☐ Specify Inlet & Outlet)



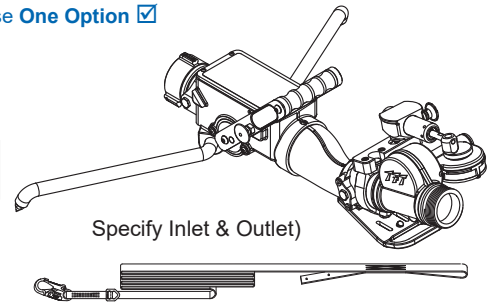
☐ **Storage Bracket**
OPTIONAL



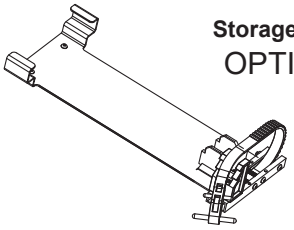
MONITOR OSC

Choose **One Option** ☑

☐ Specify Inlet & Outlet)



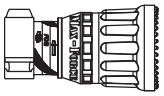
☐ **Storage Bracket**
OPTIONAL



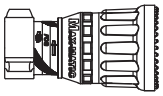
CHOICE OF NOZZLE

Choose **One Option** ☑

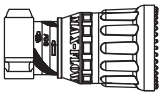
Included in Packages XXC-32, XXC-32NB, XXC-52, XXC-52NB, XXC-33, XXC-33NB, XXC-53 and XXC-53NB



☐ **MD12A — Dual-Force 2.5”NH**
Dual Pressure Automatic Nozzle
100-500 gpm flow range
(400-2000 l/min)



☐ **MD18A — Max-Matic 2.5”NH**
Automatic Pressure Nozzle
100-500 gpm flow range
(400-2000 l/min)

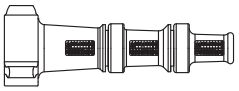


☐ **MD14A — Max-Flow 2.5”NH**
Fixed Pressure Nozzle
500 gpm flow range
(2000 l/min)

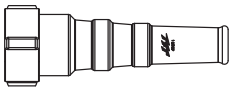
CHOICE OF TIP

Choose **One Option** ☑

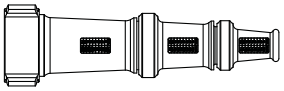
Included in Packages XXC-42, XXC-42NB, XXC-52, XXC-52NB, XXC-43, XXC-43NB, XXC-53 and XXC-53NB



☐ **MST-3NJ — 3 Stacked Tip**
2.5”NH (65mm)
1.0, 1.25 and 1.5”
(25, 32 and 38mm) tip sizes



☐ **JSS13-CAFS — Straight Tip**
2.5”NH (65mm)
1.375 (35mm) Smooth taper tip



☐ **MST-5NJ — Stacked Tips**
2.5”NH (65mm)
1.375, 1.5 and 1.75”
(35, 38 and 44mm) tips

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BLITZFIRE HE Package Order Assistance

XXC-32-HE
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP

XXC-42-HE
BLITZFIRE MONITOR
STORAGE BRACKET
STACKED TIPS

XXC-52-HE
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP
STACKED TIPS

XXC-33-HE
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP

XXC-43-HE
BLITZFIRE MONITOR
STORAGE BRACKET
STACKED TIPS

XXC-53-HE
BLITZFIRE MONITOR
STORAGE BRACKET
MAX-SERIES TIP
STACKED TIPS

XXC-32-HENB
BLITZFIRE MONITOR
MAX-SERIES TIP

XXC-42-HENB
BLITZFIRE MONITOR
STACKED TIPS

XXC-52-HENB
BLITZFIRE MONITOR
MAX-SERIES TIP
STACKED TIPS

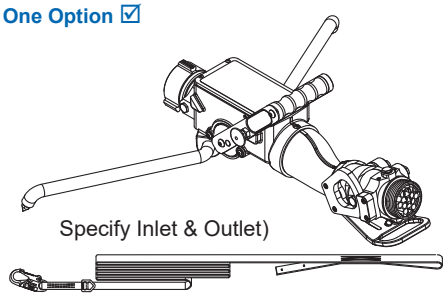
XXC-33-HENB
BLITZFIRE MONITOR
MAX-SERIES TIP

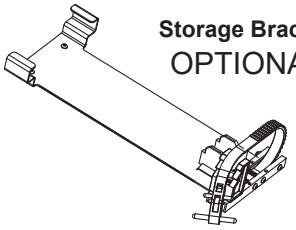
XXC-43-HENB
BLITZFIRE MONITOR
STACKED TIPS

XXC-53-HENB
BLITZFIRE MONITOR
MAX-SERIES TIP
STACKED TIPS

MONITOR

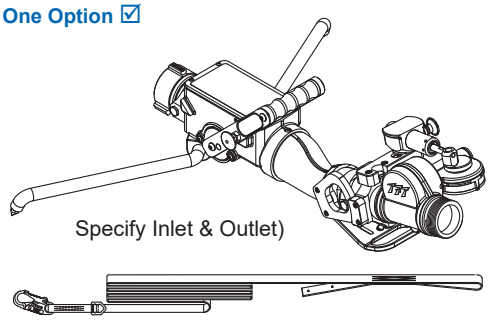
Choose **One Option** ☑

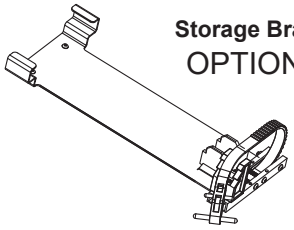
☐ 

☐ 
Storage Bracket
OPTIONAL

MONITOR OSC

Choose **One Option** ☑

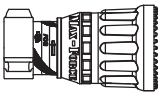
☐ 

☐ 
Storage Bracket
OPTIONAL

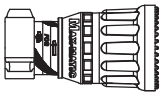
CHOICE OF NOZZLE

Choose **One Option** ☑

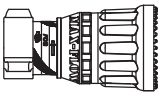
Included in Packages XXC-32-HE, XXC-32-HENB, XXC-52-HE, XXC-52-HENB, XXC-33-HE, XXC-33-HENB, XXC-53-HE and XXC-53-HENB



☐ **MD12A — Dual-Force 2.5”NH**
Dual Pressure Automatic Nozzle
100-500 gpm flow range
(400-2000 l/min)



☐ **MD18A — Max-Matic 2.5”NH**
Automatic Pressure Nozzle
100-500 gpm flow range
(400-2000 l/min)

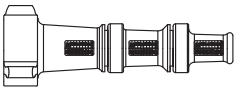


☐ **MD14A — Max-Flow 2.5”NH**
Fixed Pressure Nozzle
500 gpm flow range
(2000 l/min)

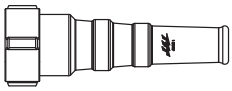
CHOICE OF TIP

Choose **One Option** ☑

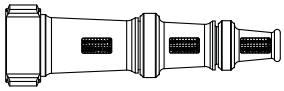
Included in Packages XXC-42-HE, XXC-42-HENB, XXC-52-HE, XXC-52-HENB, XXC-43-HE, XXC-43-HENB, XXC-53-HE and XXC-53-HENB



☐ **MST-3NJ — 3 Stacked Tip 2.5”NH (65mm)**
1.0, 1.25 and 1.5”
(25, 32 and 38mm) tip sizes



☐ **JSS13-CAFS — Straight Tip 2.5”NH (65mm)**
1.375 (35mm) Smooth taper tip



☐ **MST-5NJ — Stacked Tips 2.5”NH (65mm)**
1.375, 1.5 and 1.75”
(35, 38 and 44mm) tips

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

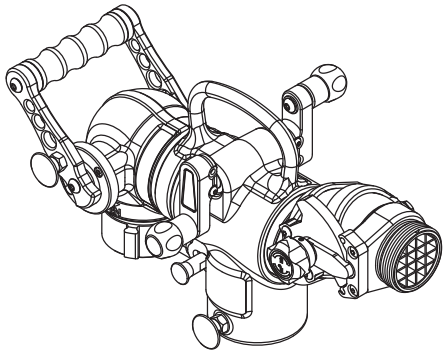
HEMISPHERE

Transportable Monitor

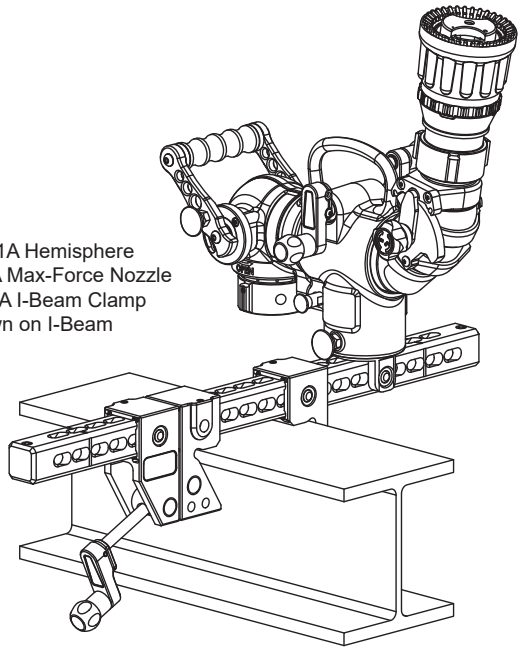
The Hemisphere is a versatile, lightweight, and quick to deploy portable monitor that gives the user the ability to quickly establish water flow in locations that ground monitors cannot. Since the Hemisphere doesn't rely on gravity for stability, it can be pointed horizontal and down, in addition to up, unlike portable ground monitors. The rotating, swiveling waterway allows the stream to be pointed in virtually any direction, within a hemispherical range, without interrupting water flow. A variety of mounts, including, an I-beam clamp that doubles as a 2" hitch mount, a dedicated hitch mount, and fixed mounts, provide the user the ability to quickly attach the monitor, and establish coverage on the fire ground, or in preplanned locations. An integrated, quarter turn, aluminum half ball valve, with locking bail handle, provides shutoff capability. The monitor and valve bodies are hardcoat anodized aluminum inside and out, with a blue TFT powder coat finish.

Dimensional Maximum
HPM111A

22.5 lb (10.2 kg)
12.0" (30.5 cm) Height
12.2" (31.0 cm) Width
22.5" (57.2 cm) Depth



HPM111A HEMISPHERE MONITOR - Flow range up to 500 gpm (2000 l/min). The monitor features a swiveling 90 degree, valved inlet and a rotating swiveling outlet that is manually adjustable via a double ball swivel, angled 40 degrees from the main waterway, capable of sweeping 80 degrees, that can be rotated about the main waterway a full 360 degrees by a hand crank. Outlet has a built-in stream straightener. The quarter turn ball valve has a bail type handle, which locks in the closed position, to prevent accidental discharge. Attachment to the various mounting options is as easy as sliding the socket at the base of the monitor onto the quick attach mount. A rotation release lever, that is separate from the release pin, allows the monitor to be rotated about its mount without the need to release the monitor from its mount. Water pressurized pins prevent the monitor from rotating or releasing while flowing, and a separate mechanism in the release pull pin prevents the monitor from releasing when the weight of the monitor is unsupported. A built-in carrying handle and lightweight aluminum construction make transport and deployment quick and easy. Overall size, without the nozzle, is 22.5"L x 12.2"W x 12.0"H (57.2 x 12.2 x 12.0 cm). Standard inlet is 2.5" NH (65mm) rocker lug coupling. Standard outlet is 2.5" NH (65mm) rigid male threads.



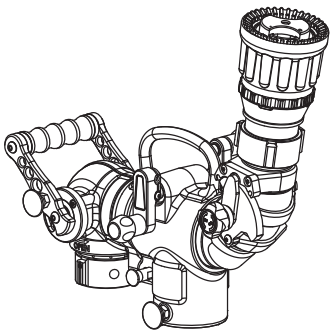
HPM111A Hemisphere
with MD12A Max-Force Nozzle
on HPM-A I-Beam Clamp
Shown on I-Beam

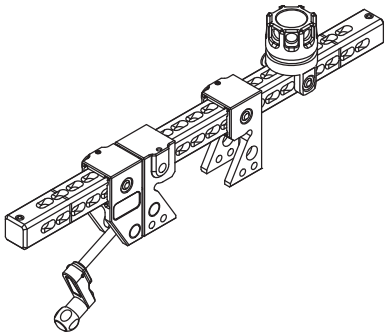
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Combination PackagesTransportable Monitor

HPM-32

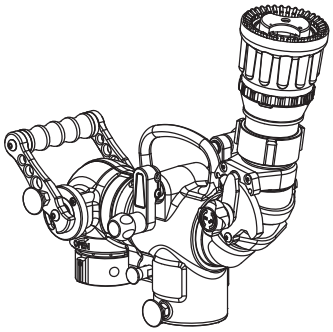
HPM-32 PACKAGE CONTAINS:
HPM111A HEMISPHERE MONITOR
HPM-A I BEAM CLAMP/2" HITCH MOUNT
MD12A MAX-SERIES TIP

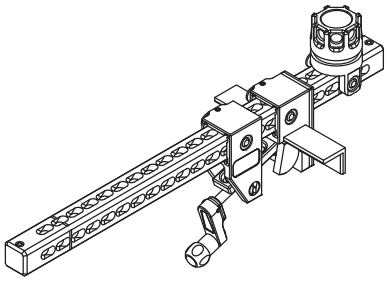




HPM-42

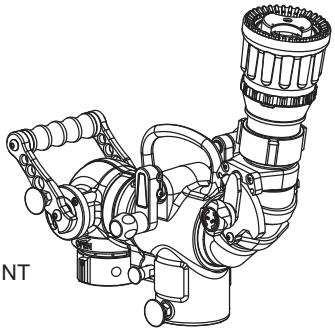
HPM-42 PACKAGE CONTAINS:
HPM111A HEMISPHERE MONITOR
HPM-F TANK LIP CLAMP/2" HITCH MOUNT
MD12A MAX-SERIES TIP

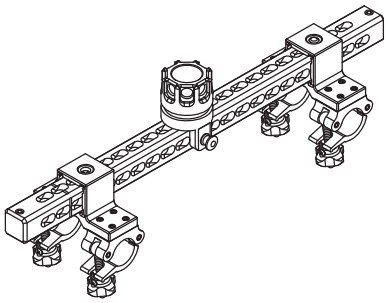




HPM-52

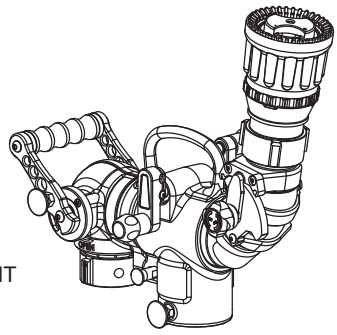
HPM-52 PACKAGE CONTAINS:
HPM111A HEMISPHERE MONITOR
HPM-G SCAFFOLDING CLAMP/2" HITCH MOUNT
MD12A MAX-SERIES TIP

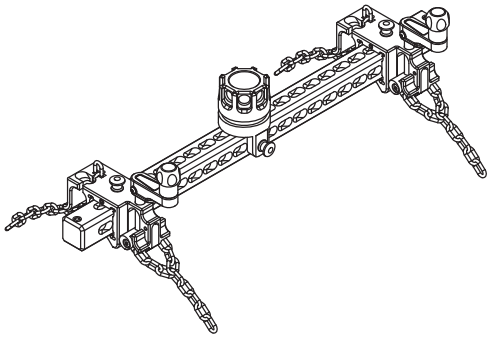




HPM-62

HPM-62 PACKAGE CONTAINS:
HPM111A HEMISPHERE MONITOR
HPM-H FLEX CLAMP / HITCH MOUNT
MD12A MAX-SERIES TIP





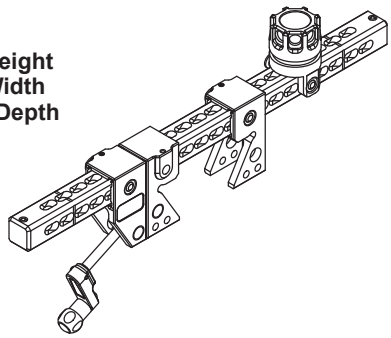
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HEMISPHERE

Transportable Monitor

Dimensional Maximum
HPM-A

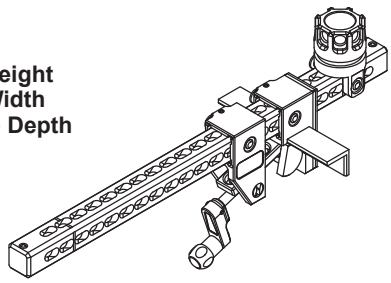
19.2 lb (8.7 kg)
5.7” (39.9 cm) Height
6.4” (16.3 cm) Width
33.1” (84.1 cm) Depth



HPM-A I BEAM CLAMP/2” HITCH MOUNT - This hardcoat anodized aluminum and stainless steel clamp can be quickly attached to an I-beam and other objects, such as stair rails, by one person, without the use of tools. The mount and clamp jaws can be moved to any of the 42 positions on the backbone, for maximum versatility. Detented pins hold the mount and jaws in place and a travel stop keeps the pins attached, to prevent them from being dropped or lost. Once the clamp is secured, the Hemisphere monitor is attached to the clamp by sliding the socket at the base of the monitor over the mount. The jaws can be removed and the backbone can be inserted into any standard 2” hitch; giving the ability to quickly add a monitor to most vehicles, without costly modifications.

Dimensional Maximum
HPM-F

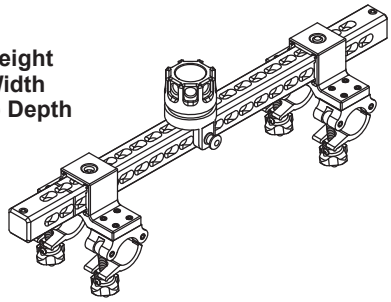
22.0 lb (10.0 kg)
5.7” (39.9 cm) Height
6.4” (16.3 cm) Width
33.10” (84.1 cm) Depth



HPM-F TANK LIP CLAMP/2” HITCH MOUNT - This hardcoat anodized aluminum and stainless steel clamp can be quickly attached to a tank lip by one person, without the use of tools. The mount and jaws can be moved to any of the 42 positions on the backbone, for maximum versatility. Detented pins hold the mount and jaws in place and a travel stop keeps the pins attached to prevent them from being dropped or lost. Once the clamp is attached, the Hemisphere monitor is secured to the clamp by sliding the socket at the base of the monitor over the mount. The clamp arm and fixed end can be removed and the backbone can be inserted into any standard 2” hitch; giving the ability to quickly add a monitor to most vehicles without costly modifications.

Dimensional Maximum
HPM-G

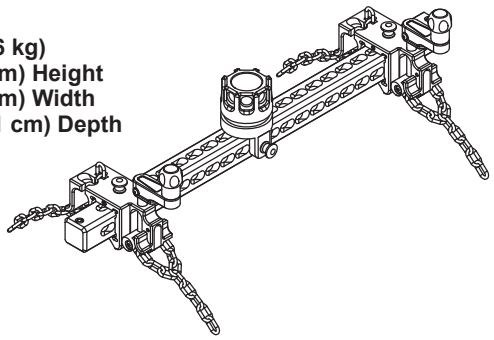
20.6 lb (9.3 kg)
5.7” (39.9 cm) Height
6.4” (16.3 cm) Width
33.10” (84.1 cm) Depth



HPM-G SCAFFOLDING CLAMP/2” HITCH MOUNT - This hardcoat anodized aluminum and stainless steel clamp can be quickly attached to industrial scaffolding by one person, without the use of tools. The mount and jaws can be moved to any of the 42 positions on the backbone for maximum versatility. Detented pins hold the mount and jaws in place and a travel stop keeps the pins attached to prevent them from being dropped or lost. Once the clamp is secured, the Hemisphere monitor is attached to the clamp by sliding the socket at the base of the monitor over the mount. The jaws can be removed, and the backbone can be inserted into any standard 2” hitch; giving the ability to quickly add a monitor to most vehicles without costly modifications.

Dimensional Maximum
HPM-H

25.5 lb (11.6 kg)
7.7” (19.6 cm) Height
9.2” (23.4 cm) Width
33.10” (84.1 cm) Depth

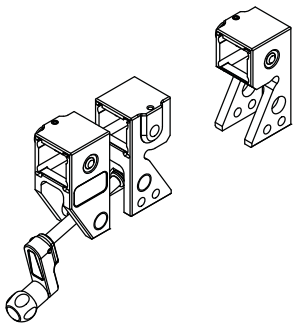


HPM-H FLEX CLAMP / HITCH MOUNT - This hardcoat anodized aluminum, stainless steel, and galvanized steel clamp can be quickly attached to round, as well as various other odd shaped objects by one person without the use of tools. The mount and chain blocks can be moved to any of the 42 positions on the backbone for maximum versatility. Detented pins hold the mount and chain blocks in place and travel stops keep the pins secured to prevent them from being dropped or lost. Once the clamp is attached, the Hemisphere monitor is attached to the clamp by sliding the socket at the base of the monitor over the mount. The chain blocks can be removed and the backbone can be inserted into any standard 2” hitch; giving the ability to quickly add a monitor to most vehicles without costly modifications.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HPM-J

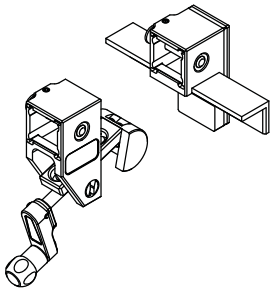
7.7 lb (3.5 kg)



HPM-J I-BEAM CLAMP JAWS - Hardcoat anodized aluminum and stainless steel clamp jaws attach to the 2” backbone/hitch mount to provide a clamp that can be quickly attached to an I-beam and other objects by one person without the use of tools.

HPM-K

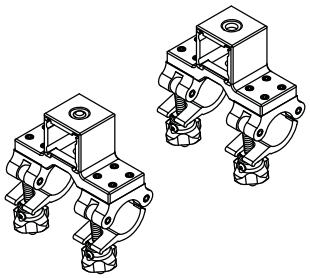
10.5 lb (4.8 kg)



HPM-K TANK LIP CLAMP JAWS - Hardcoat anodized aluminum and stainless steel clamp jaws attach to the 2” backbone/hitch mount to provide a clamp that can be quickly attached to a tank lip by one person without the use of tools.

HPM-L

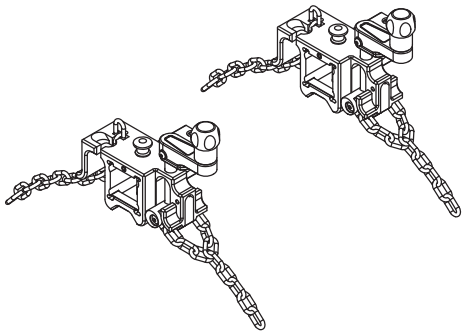
9.1 lb (4.1 kg)



HPM-L PARALLEL BAR CLAMP JAWS - Hardcoat anodized aluminum and stainless steel clamp jaws attach to the 2” backbone/hitch mount to provide a clamp that can be quickly attached to industrial scaffolding by one person without the use of tools.

HPM-M

14.0 lb (6.4 kg)



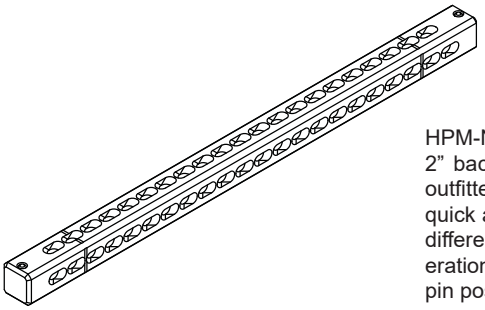
HPM-M FLEX CLAMP CHAIN BLOCKS – Hardcoat anodized aluminum, stainless steel, and galvanized steel chain blocks attach to the 2” backbone/hitch mount to provide a clamp that can be quickly attached to round and odd shaped objects by one person without the use of tools.

HEMISPHERE

Transportable Monitor

HPM-N

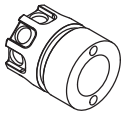
9.4 lb (4.3 kg)



HPM-N 2” BACKBONE/HITCH MOUNT - Hardcoat anodized aluminum 2” backbone/hitch mount can be installed in a standard 2” hitch and outfitted with a cross pin mount and Hemisphere monitor to provide a quick attach mobile monitor. It can also be outfitted with any of several different clamping attachments to extend the Hemisphere’s range of operations to locations that had never before been possible. 42 different pin positions provide maximum versatility.

HPM-B

1.9 lb (0.9 kg)



HPM-B FIXED MOUNT - This hardcoat anodized aluminum fixed mounting base is a great solution for adding coverage in areas where it is costly or impractical to install fixed piping and a dedicated monitor. These mounts also work well for pre-planning, for fast, precise monitor placement.

HPM-C

1.9 lb (0.9 kg)



HPM-C HITCH MOUNT - This hardcoat anodized aluminum mount can be attached to any standard 2” hitch ball mount, using the existing ball, nut, and lock washer. Since the mount attaches using the existing ball, the hitch ball mount can still be used for towing.

HPM-D

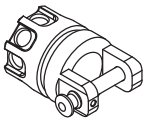
0.8 lb (0.4 kg)



HPM-D MOUNTING BLOCK - This hardcoat anodized aluminum mounting block and bracket can be used as a fixed mount for flowing, or as a storage bracket for the Hemisphere monitor. This mount can be bolted from the front of a sufficiently rigid surface, by adding two ½”-13 tapped holes; for locations where the back side of the mounting surface is inaccessible. It can also be bolted from the back side of a surface by drilling two (2) 5/8” holes, and screwing 5/8-11 bolts into tapped holes on the bracket.

HPM-E

2.1 lb (1.0 kg)



HPM-E CROSS-PIN MOUNT - This hardcoat anodized aluminum mount is the same mount that comes with the HPM-A, HPM-F, HPM-G, and HPM-H clamps. The cross-pin is detented to prevent the pin from detaching and getting lost or dropped. This mount also attaches to HPM-D mounting blocks.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

GREEN Category
Apparatus Components

The GREEN category includes apparatus components that typically are related to flow and water movement and are delivered with new apparatus or commonly added as replacement components. This category includes intake valves, manifolds, wyes, siamese, adapters, elbows, suction hose and strainers, and the Crossfire monitor.

Components Included In The Category

Water thieves, gated wyes, tools to include hydrant and spanner wrench sets, and Intake Valves (except Remote Control versions).

Crossfires, Crossfire packages to include smooth bore tips and master stream nozzles, brackets, and stream straighteners

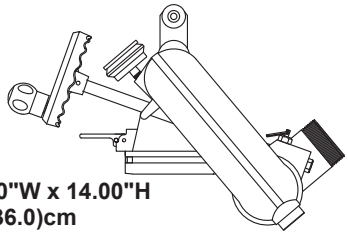
Jumbo Water Thieves, 3-way and 4-way Jumbo Manifolds and Siamese, 5-way Manifold, In-Line Valves and Jumbo Gated Wyes, Quarter Turn Gate Valves, Adapters, Elbows and Detent Elbows, Blind Caps, Suction Strainers, Hydrant Adapters and Remote Control Hydrant Master.

CROSSFIRE® SERIES

Portable/Deck Gun Monitor

The CROSSFIRE monitor is the most versatile master stream appliance ever offered to the fire service. Its lightweight, compact design and unique quick-release swivel joint allow for a faster and safer stream deployment in the portable attack mode. The Safe-Tak 1250 utilizes the revolutionary, patented Safe-Tak "flow safety valve." Should the monitor lose contact with the ground surface, the Safe-Tak will automatically reduce flow to the monitor. This safety feature reduces the risk of injury from an out-of-control appliance. Monitor top and base are hardcoat anodized aluminum with a powder coat finish inside and out.

XFT-NJ

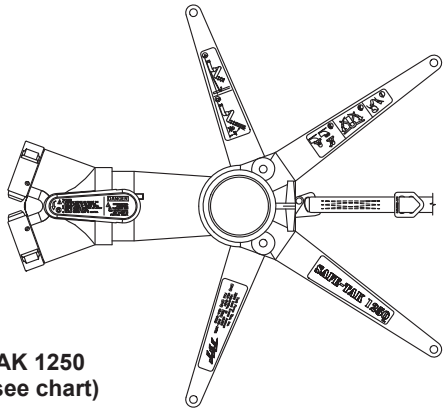


17.0 lb (7.5kg)
22.00"L x 14.00"W x 14.00"H
(56.0 x 36.0 x 36.0)cm

XFT-NJ CROSSFIRE MONITOR TOP 2.5"NH (65mm) OUTLET can be connected to either a portable base or a truck with the adapters on page 72 or a TFT Extend-A-Gun with XL outlet on page 135. The connection is easy, positive, and visually verified. When in use, the release is "locked out" by water pressure. The waterway is a large 3.25" (83mm) which lets the CROSSFIRE deliver up to 1250 gpm (4500 l/min) with low friction loss. Horizontal rotation is securely locked with a simple lever, and position can be visually confirmed. Only seven (7) turns of the handwheel change the discharge elbow from vertical to the stop elevation. Includes highly visible pressure gauge and built-in automatic drain valve. Standard outlet thread is male 2.5" NH (65mm).

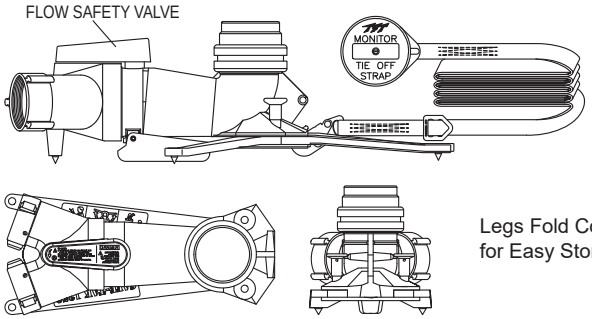
SAFE-TAK 1250™

Portable Base With Safety Valve



SAFE-TAK 1250
XFH (see chart)**

SAFE-TAK 1250 PORTABLE BASE WITH SAFE-TAK VALVE is supplied with either two clappered swivel inlets or with a single full-time swivel inlet. The stainless steel, carbide-tipped base support legs can be folded to easily fit inside a small apparatus compartment, or for carrying pre connected to a hose line. Includes a safety tie-down strap with attached storage cap.



Legs Fold Completely for Easy Storage.

STOW-A-WAY 800
XFL (see chart)**

The STOW-A-WAY 800 PORTABLE BASE WITHOUT SAFE-TAK VALVE is supplied with either two clappered swivel inlets or with a single full-time swivel inlet. Includes a safety tie-down strap with attached storage cap. STOW-A-WAY 800 portable base is not equipped with SAFE-TAK™ "Flow Safety Valve." Maximum recommended flow with Stow-A-Way Base in portable mode is 800 gpm (3500 l/min). Order XF500-KIT Option $528.00 to add a flow safety valve. Weight of safety valve is 3.1 lb (1.4kg).

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
XPH-1BP	Crossfire Base Single 4.0" BSP Male Inlet	4800 l/min w/safety shutoff RAL 3000 Coloration
XPH-1BX	Crossfire Base Single 6.0" BSP Male Inlet	4800 l/min w/safety shutoff RAL 3000 Coloration
XPH-2BJ	Crossfire Base Twin 2.5" BSP Female Inlets	4800 l/min w/safety shutoff RAL 3000 Coloration
XPH-2BJM	Crossfire Base Twin 2.5" BSP Male Inlets	4800 l/min w/safety shutoff RAL 3000 Coloration
XPH-2BP	Crossfire Base Twin 4.0" BSP Inlets	4800 l/min w/safety shutoff RAL 3000 Coloration
XPL-1BP	Crossfire Base Single 4.0" BSP Male Inlet	3500 l/min no safety shutoff RAL 3000 Coloration
XPL-2BJ	Crossfire Base Twin 2.5" BSP Female Inlets	3500 l/min no safety shutoff RAL 3000 Coloration
XPT-BJ	Crossfire Top 2.5" BSP Male Outlet	RAL 3000 Coloration

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

PORTABLE BASE INLET CHART - Please specify inlet thread.										
Safe-Tak 1250 Model #	Stow-A-Way 800 Model #	Stow-A-Way Valved Base Unit	# Inlets	Inlet Siize	Safe-Tak 1250		Stow-A-Way 800		Valved Base Unit	
					lbs	kg	lbs	kg	lbs	kg
XFH-1NL	XFL-1NL	XFAN-1NL	1	3.0" NH (75mm)	25.4	11.5	22.3	10.1	31.4	14.2
XFH-1NN	XFL-1NN	XFAN-1NN	1	3.5" NH (90mm)	25.6	11.6	22.5	10.2	30.8	14.0
XFH-1NP	XFL-1NP	XFAN-1NP	1	4.0" NH (100mm)	26.2	11.9	23.1	10.4	31.9	14.5
XFH-1NR	XFL-1NR	XFAN-1NR	1	4.5" NH (115mm)	26.3	12.0	23.2	10.5	33.1	15.0
XFH-1SP	XFL-1SP	XFAN-1SP	1	4" Storz (100mm)	27.0	12.2	23.0	10.4	31.1	14.1
XFH-1ST	XFL-1ST	XFAN-1ST	1	5" Storz (125mm)	28.7	13.0	25.6	11.6	32.8	14.9
XFH-1SX	XFL-1SX	—	1	6" Storz (150mm)	30.4	13.7	28.2	12.7	—	—
XFH-2NJ	XFL-2NJ	—	2	2.5" NH (65mm)	23.8	10.8	20.7	9.4	—	—

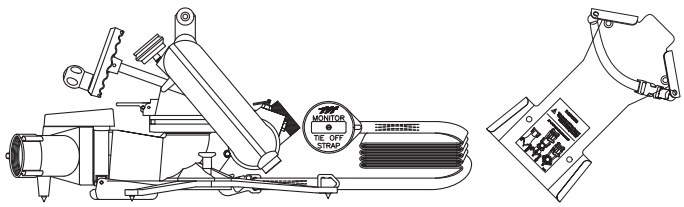
Combination Packages with Safe-Tak 1250

See Page 74 for Assistance in Ordering Options

XFC-12

XFC-12NB

Package does not include storage bracket



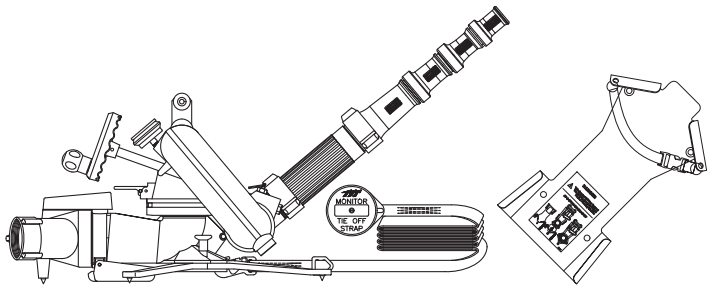
XFC-12 PACKAGE CONTAINS:
SAFE-TAK Base (Specify Inlet), CROSSFIRE Storage Bracket, CROSSFIRE Monitor Top (Specify Outlet)

SAVE Up to $35 in package over separate purchase

XFC-42

XFC-42NB

Package does not include storage bracket



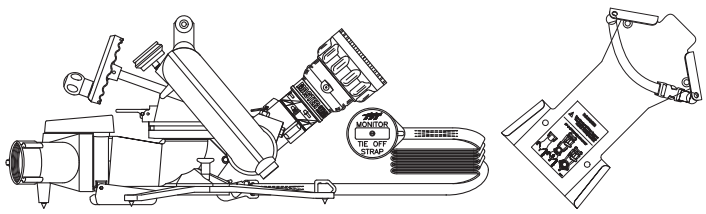
XFC-42 PACKAGE CONTAINS:
SAFE-TAK Base (Specify Inlet), CROSSFIRE Storage Bracket, CROSSFIRE Monitor Top (Specify Outlet), Quad Stack Tips (Specify Inlet), 5" or 10" (127 or 254mm) Stream Straightener (Specify Inlet & Outlet)

SAVE Up to $620 in package over separate purchase

XFC-32

XFC-32NB

Package does not include storage bracket



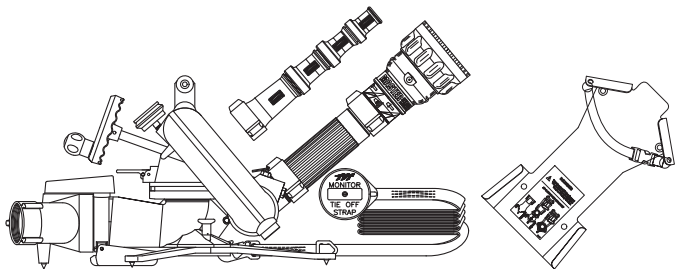
XFC-32 PACKAGE CONTAINS:
SAFE-TAK Base (Specify Inlet), CROSSFIRE Storage Bracket, CROSSFIRE Monitor Top (Specify Outlet), Any Master Stream 1000 or 1250S Nozzle, sold on page 138 (Specify Inlet)

SAVE Up to $985 in package over separate purchase

XFC-52

XFC-52NB

Package does not include storage bracket

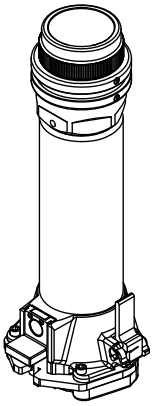


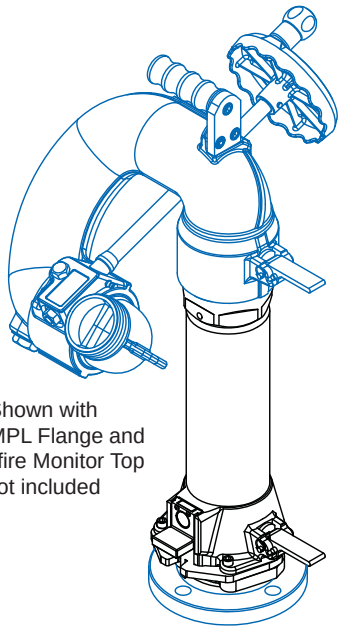
XFC-52 PACKAGE CONTAINS:
SAFE-TAK Base (Specify Inlet), CROSSFIRE Storage Bracket, CROSSFIRE Monitor Top (Specify Outlet), Any Master Stream 1000 or 1250S Nozzle, sold on page 138 (Specify Inlet), Quad Stack Tips (Specify Inlet), 5" or 10" (127 or 254mm) Stream Straightener (Specify Inlet & Outlet)

SAVE Up to $1160 in package over separate purchase

XG18XL-XL

22.0 lb (10.0kg)

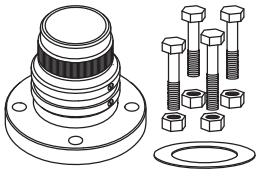




Shown with
XFF-MPL Flange and
Crossfire Monitor Top
not included

XG18XL-XL - EXTEND-A-GUN PIPE –A simple and cost effective way to easily add 16” to your Crossfire Deck gun outlet connection. Simply remove the Crossfire monitor from the existing truck mount adapter, add the Extend-A-Gun Pipe and connect the Crossfire top. Increases the field of fire by raising the Crossfire monitor to clear obstructions on the top of the apparatus. Utilizes the same quick connect features of the Crossfire monitor. Visually verifiable rotation lock and locking mechanism. Extend-A-Gun Pipe is made from hardcoat anodized aluminum alloy for light weight and corrosion resistance. Not for use on Extend-A-Gun telescoping waterway. Not for use on portable ground base.

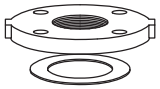
XFF-MPL
XFF-MPP



XFF-MPL - FLANGE MOUNT 3” ANSI 150 INLET (75mm)
XFF-MPP - FLANGE MOUNT 4” ANSI 150 INLET (102mm) For use on riser with companion flange. Compact, hardcoat anodized aluminum adapter allows the CROSSFIRE monitor to be easily utilized as a truck mounted deluge appliance. Hardware and gasket included.

MODEL	FLANGE	BOLTS	INT.THDS	HGT	DIA	WT
XFF-MPL	3" ANSI 150#	4) 5/8-11X3	NONE	5" (12.7cm)	7.50" (19.1cm)	6.9 lb (2.4kg)
XFF-MPP	4" ANSI 150#	8) 5/8-11X3	4 NPT F	8" (20.3cm)	9.00" (22.9cm)	11.0 lb (3.1kg)

XFF-CPL
XFF-CPP

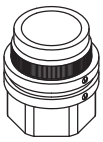


XFF-CPL - COMPANION FLANGE KIT 3” ANSI 150 - 3” NPT, 150 lb. ANSI cast aluminum, gasket included. Uses 5/8” (15.8mm) bolts (not included)
XFF-CPP - COMPANION FLANGE KIT 4” ANSI 150 - 4” NPT, 150 lb. ANSI cast aluminum, gasket included. Uses 5/8” (15.8mm) bolts (not included)

MODEL	THREADS	FLANGE	BOLTS REQ.	DIA.	WT
XFF-CPL	3 NPT F	3" ANSI 150#	4	7.50" (19.1cm)	3.0 lb (1.4kg)
XFF-CPP	4 NPT F	4" ANSI 150#	8	9.00" (22.9cm)	4.4 lb (2.0kg)

XFF-APL

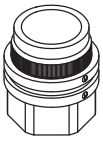
3.1 lb (1.4kg)



XFF-APL - TRUCK ADAPTER, 3.0” NPT FEMALE Can be screwed directly on a 3.0” NPT (75mm) male thread. This compact, hardcoat anodized adapter allows the Crossfire monitor to be easily utilized as a truck mounted deluge appliance. 4.5” dia. (110mm) Height: 5.0”. (125mm)

XFF-RLF

4.2 lb (1.9kg)



XFF-RLF - EXTEND-A-GUN RC3/CROSSFIRE ADAPTER - This compact, hardcoat anodized adapter attaches to the electronically raised Extend-A-Gun RC3, allowing the Crossfire monitor to be easily utilized as a truck mounted deluge appliance. 6.7” dia. (170mm) Height: 5.0” (125mm)

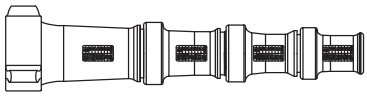
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Accessories

MST-4NJ

3.1 lb (1.4kg)

MST-4NN



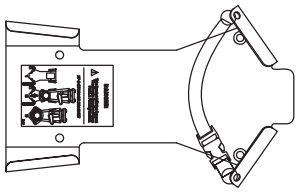
Tether / Retention kit is available on page 202 (TETHER01-KIT)

MST-4NJ - 4 STACKED TIPS, 2.5” NH (65mm) Designed for monitor use, these lightweight tips are hardcoat anodized, allow four orifice options in one, and have pressure/flow charts laser engraved on each tip. 2.5” NH (65mm) swivel coupling is standard. Orifice openings are 2”, 1.75”, 1.5”, and 1.375”. (50mm, 45mm, 38mm and 35mm) Length 16.90”. (42.9cm)
MST-4NN - 4 STACKED TIPS, 3.5” NH (89mm) Same as above (MST-4NJ) but with 3.5” NH (89mm) swivel coupling is standard.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPST-4BJ	4 Stacked Tips 2.5” Female BSP Inlet No Laser Markings	25- 30 - 35 - 43mm Tips

XF-B

3.1 lb (1.4kg)

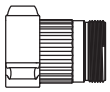


XF-B - CROSSFIRE STORAGE BRACKET A 13 ga., 304 stainless steel bracket with strap holds the Stow-A-Way 800, Stow-A-Way 1000 or the Safe-Tak 1250 portable base securely while being transported. This 14.75” x 7.75” x 2” (37.5 x 19.7 x 5.1cm)bracket can be mounted vertically or horizontally in any position, including the top or underside of a shelf, on a side wall, or on a compartment door. Includes quick release storage strap.

XF-SS5

1.8 lb (0.8kg)

XF-SS5-NN

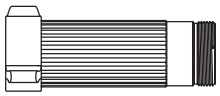


XF-SS5 - STREAM STRAIGHTENER 5” L. 2.5” NH (65mm) THREADS Extruded aluminum vanes straighten smooth bore streams to provide greater reach with less turbulence. 2.5” NH (65mm) RIGID inlet and outlet threads are standard. XF-SS5 = 5” (125mm) vane length.
XF-SS5-NN- STREAM STRAIGHTENER 5” L. 3.5” NH (89mm) THREADS - Same as XF-SS5 above but with 3.5” inlet x 2.5” outlet. 4.6lb (1.6kg)

XF-SS10

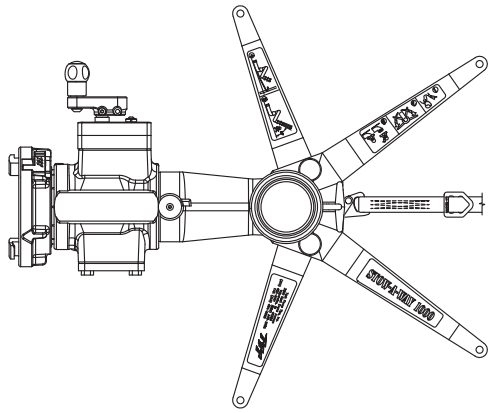
3.5 lb (1.9kg)

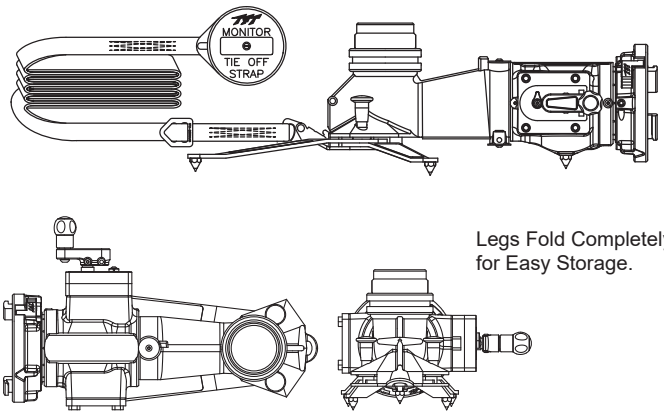
XF-SS10-NN



XF-SS10 - STREAM STRAIGHTENER 10” L. 2.5” NH (65mm) THREADS -Extruded aluminum vanes straighten smooth bore streams to provide greater reach with less turbulence. 2.5” NH (65mm) RIGID inlet and outlet threads are standard. XF-SS5 = 5” (125mm) vane length and XF-SS10 = 10” (250mm) vane length.
XF-SS10-NN - STREAM STRAIGHTENER 10” L. 3.5” NH (89mm) THREADS- Same as XF-SS10 above but with 3.5” inlet x 2.5” outlet. 6.25 lb (2.8kg)

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
XP-SS10	Stream Straightener 10” 2.5” BSP Inlet/Outlet	
XP-SS5	Stream Straightener 5” 2.5” BSP Inlet/Outlet	





Legs Fold Completely for Easy Storage.

STOW-A-WAY 1250 VALVED BASE UNIT XFAN- (see chart)**

(see chart page 79)

The STOW-A-WAY 1250 PORTABLE BASE WITH VALVE is supplied with single full-time swivel inlet. High volume/low loss valve meets NFPA slow close requirements . Includes a safety tie-down strap with attached storage cap. The stainless steel, carbide-tipped base support legs can be folded to fit inside compartments or for carrying preconnected to a hose line. STOW-A-WAY 1250 portable base is not equipped with SAFE-TAK™ “Flow Safety Valve.” Maximum recommended flow with Stow-A-Way 1250 Valved Base in portable mode is 1250 gpm (4750 l/min).

CROSSFIRE® SERIES

Crossfire Package Order Assistance

XFC-32 PACKAGE CONTAINS:
- SAFE-TAK Base (Specify Inlet)
- CROSSFIRE Storage Bracket
- CROSSFIRE Monitor Top (Specify Outlet)
- Any Master Stream 1000 or 1250S Nozzle sold on page 125 (Specify Inlet)

XFC-32NB PACKAGE:
Package does not include storage bracket

XFC-42 PACKAGE CONTAINS:
- SAFE-TAK Base (Specify Inlet)
- CROSSFIRE Storage Bracket
- CROSSFIRE Monitor Top (Specify Outlet)
- Quad Stack Tips (Specify Inlet)
- 5" or 10" (127 or 254mm) Stream Straightener (Specify Inlet & Outlet)

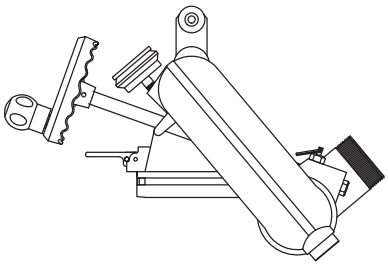
XFC-42 PACKAGE:
Package does not include storage bracket

XFC-52 PACKAGE CONTAINS:
- SAFE-TAK Base (Specify Inlet)
- CROSSFIRE Storage Bracket
- CROSSFIRE Monitor Top (Specify Outlet)
- Any Master Stream 1000 or 1250S Nozzle sold on page 123 (Specify Inlet)
- Quad Stack Tips (Specify Inlet)
- 5" or 10" (127 or 254mm) Stream Straightener (Specify Inlet & Outlet)

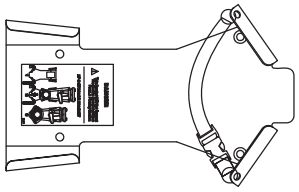
XFC-52NB PACKAGE:
Package does not include storage bracket

CROSSFIRE TOP & BRACKET INCLUDED

With All Three Packages



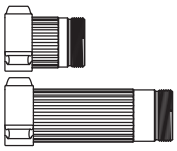
XFT-NJ — 2.5"NH Outlet
Monitor Top 1250 gpm (4500 l/min)



XF-B
Crossfie Storage Bracket

CHOICE OF STREAM STRAIGHTENER

Choose **One Option** ☑

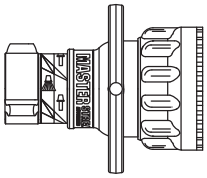


☐ **XF-SS5**
5" 2.5" NH

☐ **XF-SS10**
10" 2.5" NH

CHOICE OF NOZZLE

Choose **One Option** ☑
Not Included In XFC-042 Package



☐ **M-RS1000-NJ — 2.5"NH**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
Flow is User Adjusted
gpm is based on 100 psi

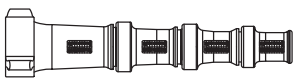
☐ **M-RF1000-NJ — 2.5"NH**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure

☐ **M-R1000-NJ — 2.5"NH**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-4000 l/min)

☐ **M-R1250SNJ — 2.5"NH**
Automatic Pressure Nozzle
150-1250 gpm flow range
(600-4500 l/min)

QUAD TIPS

Inclued with XFC-42
and XFC-52 Package

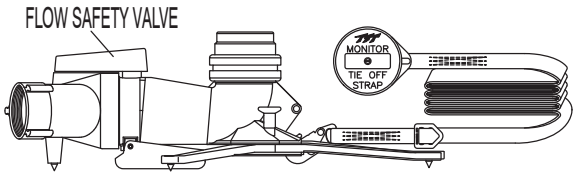


MST-4NJ — 2.5"NH
4 Stacked Tips Laser Engraved Flow Charts

SAFE-TAK 1250 BASE w/CHOICE OF INLETS

Choose **One Option** ☑

XFH-*
SAFE-TAK 1250
Portable Base



☐ **XFH-1NP**
Single 4"NH
(100mm)

☐ **XFH-1ST**
Single 5"Storz
(125mm)

☐ **XFH-1NL**
Single 3"NH
(75mm)

☐ **XFH-1NR**
Single 4.5"NH
(115mm)

☐ **XFH-1SX**
Single 6"Storz
(150mm)

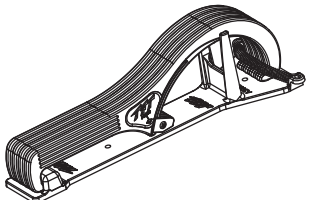
☐ **XFH-1NN**
Single 3.5"NH
(90mm)

☐ **XFH-1SP**
Single 4"Storz
(100mm)

☐ **XFH-2NJ**
Dual 2.5"NH
(65mm)

A3810

6.1 lb (2.8kg)
(1.1 lb ea)
(0.5kg)
16.20" (41.1cm)

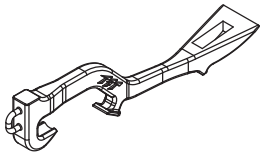


A3810 - JUMBO SPANNER SET W/BRACKET - Lightweight cast aluminum alloy design features dual spanner claws that can be used on virtually any Storz, rocker lug or long handled fire hose couplings from 1" (25mm) up to 6" (152mm) diameter. Adjustable lug releases Storz-Lock levers on most Storz couplings. Includes four A3090 wrenches and one A3815 bracket for easy truck mounting. Compatible with former A3812 Single Spanner.

A3815 Bracket Only

A3813

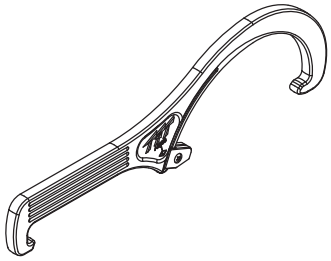
0.5 lb (0.3kg)
11.60" (29.5cm)



A3813 - UNIVERSAL SPANNER WRENCH - For any style or size coupling from 1 ¼" to 4". Made of tough lightweight cast aluminum. Features include pin detail, window jimmy, gas cock slot, hammer head and hanger loop.

A3090

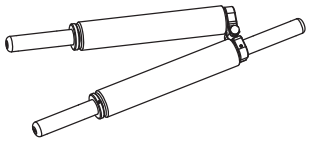
1.1 lb (0.5kg)
16.20" (41.1cm)



A3090 - Single Jumbo Spanner - Lightweight cast aluminum alloy design features dual spanner claws that can be used on virtually any Storz, rocker lug or long handled fire hose couplings from 1" (25mm) up to 6" (152mm) diameter. Adjustable lug releases Storz-Lock levers on most Storz couplings.

A3820

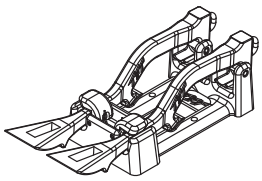
5.0 lb (2.3kg)
19.00" (48.3cm)



A3820 - HOSE ROLLER - For fast, easy removal of air and water from hose, "walk" the hose through the hose roller before reloading. Made of all lightweight materials.

A3840

2.2 lb (1.0kg)
11.60" (29.5cm)

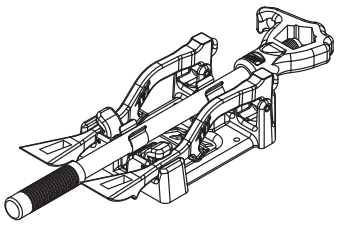


A3840 - 2 WRENCH BRACKET SET - Lightweight cast aluminum bracket mounts to apparatus for easy accessibility. Features quick, snap-action release. Holds two A3813 Universal Spanner Wrenches. Available with or without wrenches.

A3842 Bracket Only

A3845

8.3 lb (3.8kg)
19.60" (49.8cm)



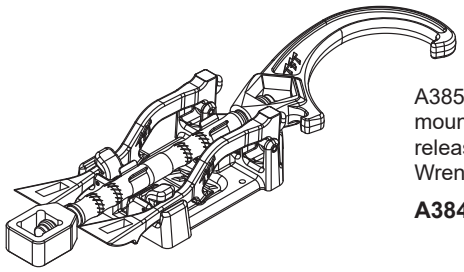
A3845 - 3 WRENCH BRACKET SET - Lightweight cast aluminum bracket mounts to apparatus for easy accessibility. Features quick, snap-action release. Holds two A3813 Universal Spanner Wrenches and one Hydrant Wrench. Available with or without wrenches.

A3843 Bracket Only

TOOLS

A3850

5.5 lb (2.5kg)
24.20" (61.5cm)

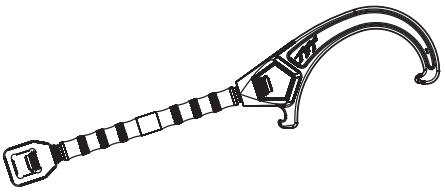


A3850 - 3 WRENCH BRACKET SET - Lightweight cast aluminum bracket mounts to apparatus for easy accessibility. Features quick, snap-action release. Holds two A3813 Universal Spanner Wrenches and one Hydrant Wrench. Available with or without wrenches.

A3843 Bracket Only

A3800

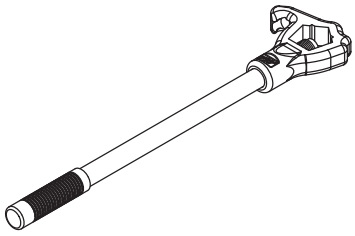
2.5 lb (1.1kg)
24.20" (61.5cm)



A3800 - ADJUSTABLE HYDRANT WRENCH - Adjustable to open any hydrant with pentagon and square heads. Features dual spanner claws that can be used on virtually any Storz, rocker lug or long handled fire hose coupling from 1" (25mm) up to 6" (152mm) diameter. Made out of aluminum alloy throughout. Rugged handle grip is hardcoat anodized and permanently secured to both wrench ends.

A3835

5.3 lb (2.4kg)
19.60" (48.9cm)

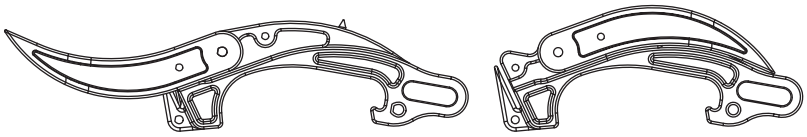


A3835 - HYDRANT WRENCH - Adjustable to open any hydrant with pentagon and square heads. Features a manganese bronze compact head and plated steel handle. Spanner claw works on both pin and rocker lug style couplings.

RES-Q-RENCH®

When space is limited, but performance is an absolute must, the folding Res-Q-Rench is ideal for many fire ground and rescue operations. From simple hose coupling functions, to working with patient entrapment, the Res-Q-Rench is the ultimate tool. Ideal for all firefighting personnel, rescue squads, medical service providers, and industrial fire brigades. The patented Res-Q-Rench is available from your local authorized TFT distributor.

Each
0.3 lb (0.1kg)
8.25 - 12.38"
(21.0-31.4cm)



OPEN CLOSED

SPAN25
(Box of 25)

8.7 lbs (3.9kg)

The Res-Q-Rench is designed to work with rocker lug handline and supply line couplings and is the only folding spanner that will work with most 4" (100mm) and 5" (125mm) Storz locking couplings. With its integrated carbide tip window punch, the Res-Q-Rench can quickly pop out windows during vehicle extrication. The heavy-duty seat belt cutter makes short work of vehicle seat belts and other web materials. The Res-Q-Rench easily pries open windows, props doors open, has an integrated residential gas valve shut-off and oxygen bottle wrench. Each wrench weighs 0.3 lbs (0.1 kg). Sold in Boxes of 25: Weight 8.75 lbs (3.968 kg).

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

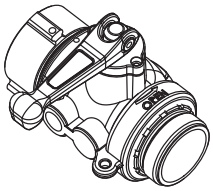
2 1/2" (64mm) HYDRANT VALVE

TFT's 2 ½ Inch Quarter Turn Hydrant Valve is a lightweight valve with a full 2 ½ inch waterway. 300 psi (20 bar) operating pressure from either side of valve. Field replaceable valve seat. Quarter turn valve handle has low force to move valve even under pressure. Automatic valve lock keeps valve position while flowing at partial openings. All the components on the wet side of the valve are made of anodized aluminum for additional corrosion protection. Pipe threaded ports for pressure gauge or bleed valve. Hole for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection.

NFPA 1964 COMPLIANT

AV5NJ-NJ

5.8 lbs (2.6 kg)
8.90"H x 5.7"W x 8.4"L
(23.0 x 15.0 x 21.0 cm)



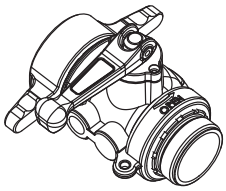
AV5NJ-NJ - 2.5" (65mm) QUARTER TURN HYDRANT VALVE - Quarter-turn aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) waterway provides maximum flow with minimal loss. Quarter turn valve handle has low force to move even under pressure. Rugged lightweight aluminium alloy casting with durable powder coat finish inside and out, anodized couplings, super tough nylon folding handle. 2.5" (65mm) NH female swivel rocker lug inlet coupling is standard.

A1621-KIT - VENT DRAIN KIT is available for the 2.5" Hydrant Valve. See page 218.

NFPA 1964 COMPLIANT

AV5HNJ-NJ

5.8 lbs (2.6 kg)
8.90"H x 8.9"W x 8.4"L
(23.0 x 23.0 x 21.0 cm)



AV5HNJ-NJ - 2.5" (65mm) QUARTER TURN HYDRANT VALVE - Quarter-turn aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) waterway provides maximum flow with minimal loss. Quarter turn valve handle has low force to move even under pressure. Rugged lightweight aluminium alloy casting with durable powder coat finish inside and out, anodized couplings, super tough nylon folding handle. 2.5" (65mm) NH female swivel long handle inlet coupling is standard.

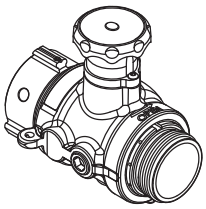
A1621-KIT - VENT DRAIN KIT is available for the 2.5" Hydrant Valve. See page 218.

2 1/2" (64mm) SLOW CLOSE HYDRANT VALVE

NFPA 1964 COMPLIANT

AV5NJ-NJ-SC

5.8 lbs (2.6 kg)
8.9"H x 5.7"W x 8.40"L
(23.0 x 15.0 x 21.0 cm)



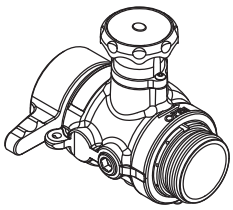
AV5NJ-NJ-SC - 2.5" (65mm) SLOW CLOSE HYDRANT VALVE - Aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) waterway provides maximum flow with minimal loss. Multi-turn knob meets slow close requirements, prevents water hammer. Includes valve position indicator. Rugged lightweight aluminium alloy casting with durable powder coat finish inside and out, anodized couplings. 2.5" (65mm) NH female swivel rocker lug inlet coupling is standard.

A1621-KIT - VENT DRAIN KIT is available for the 2.5" Hydrant Valve. See page 218.

NFPA 1964 COMPLIANT

AV5HNJ-NJ-SC

5.8 lbs (2.6 kg)
8.9"H x 8.9"W x 8.40"L
(23.0 x 23.0 x 21.0 cm)



AV5HNJ-NJ-SC - 2.5" (65mm) SLOW CLOSE HYDRANT VALVE - Aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) waterway provides maximum flow with minimal loss. Multi-turn knob meets slow close requirements, prevents water hammer. Includes valve position indicator.Rugged lightweight aluminium alloy casting with durable powder coat finish inside and out, anodized couplings. 2.5" (65mm) NH female swivel long handle inlet coupling is standard.

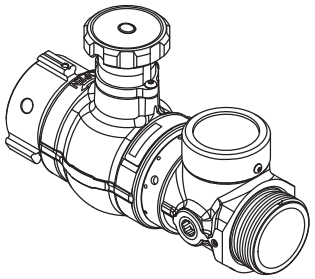
A1621-KIT - VENT DRAIN KIT is available for the 2.5" Hydrant Valve. See page 218.

SLOW CLOSE HI-RISE VALVE

TFT's 2 ½ Inch Slow Close High Rise Valve is a lightweight valve with a full 2 ½ inch waterway designed for use on standpipes, truck outlets, on the ground, or where having a pressure reading is advantageous. 300 psi (20 bar) operating pressure from either side of valve. Field replaceable valve seat. Slow close knob has low force to rotate valve even under pressure. Automatic valve lock keeps valve position while flowing at partial openings. All the components on the wet side of the valve are made of anodized aluminum for additional corrosion protection. Pipe threaded ports for bleed valve. Hole for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. The In-line Pivot Pressure Gauge incorporates a liquid filled pressure gauge with an easy to read gauge face into a solid aluminum body, protecting the gauge from damage. Built into the casting is a pitot pickup for an accurate reading of the total pressure in the center of the waterway. The gauge also includes a replaceable lens that protects the gauge face from damage. The lens can easily be changed if it becomes scratched or damaged. The outlet is available with a pivoting joint that moves ±20° from center for controlling hose kinks on standpipes with horizontal or vertical discharge. Pivoting outlets cut the weight of hi-rise packs by eliminating a separate elbow. Fully pivoting the discharge changes the gauge reading by less than 5 PSI (0.3 bar) at 500 GPM (2000 L/min).

AVGSC3FNJNJ
AVGSC2FNJNJ

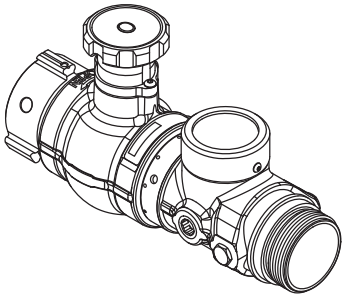
7.5 lbs (3.4 kg)
7.7"H x 5.6"W x 12.4"L
(19.6 x 14.2 x 31.5 cm)



AVGSC3FNJNJ - 2.5" (65mm) SLOW CLOSE HIGH RISE VALVE - Aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) waterway provides maximum flow with minimal loss. Multi-turn knob meets slow close requirements, prevents water hammer. Includes valve position indicator. Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out, anodized couplings. 2.5" (65mm) NH female swivel rocker lug inlet coupling and NH male fixed spout outlet are standard.

AVGSC3SNJNJ
AVGSC2SNJNJ

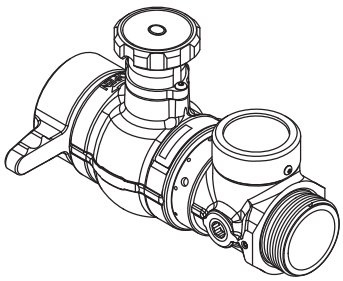
9.5 lbs (4.3 kg)
7.7"H x 5.6"W x 14.1"L
(19.6 x 14.2 x 35.8 cm)



AVGSC3SNJNJ - 2.5" (65mm) SLOW CLOSE HIGH RISE VALVE - Aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) waterway provides maximum flow with minimal loss. Multi-turn knob meets slow close requirements, prevents water hammer. Includes valve position indicator. Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out, anodized couplings. 2.5" (65mm) NH female swivel rocker lug inlet coupling and ±20° pivoting NH male spout outlet are standard.

AVGSC3FHNJNJ
AVGSC2FHNJNJ

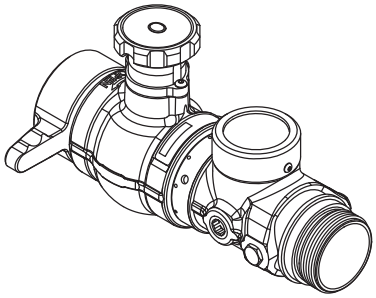
8.1 lbs (3.7 kg)
7.7"H x 5.6"W x 12.4"L
(19.6 x 14.2 x 31.5 cm)



AVGSC3FHNJNJ - 2.5" (65mm) SLOW CLOSE HIGH RISE VALVE - Aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) waterway provides maximum flow with minimal loss. Multi-turn knob meets slow close requirements, prevents water hammer. Includes valve position indicator. Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out, anodized couplings. 2.5" (65mm) NH female swivel long handle inlet coupling and NH male fixed spout outlet are standard.

AVGSC3SHNJNJ
AVGSC2SHNJNJ

10.1 lbs (4.6 kg)
7.7"H x 5.6"W x 14.1"L
(19.6 x 14.2 x 35.8 cm)



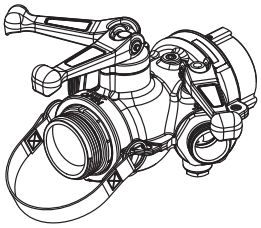
AVGSC3SHNJNJ - 2.5" (65mm) SLOW CLOSE HIGH RISE VALVE - Aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) waterway provides maximum flow with minimal loss. Multi-turn knob meets slow close requirements, prevents water hammer. Includes valve position indicator. Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out, anodized couplings. 2.5" (65mm) NH female swivel Long handle inlet coupling and ±20° pivoting NH male spout outlet are standard.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

TFT's 2.5" by 1.5" Water Thief is a lightweight valve with full 2.5" and 1.5" waterways. 300 psi (20 bar) operating pressure from either side of the valves. Field replaceable valve seats. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock on the 2.5" valve keeps its position while flowing at partial openings. Special internal contour on the 1.5" valves keeps them in position while flowing. Folding valve handles minimize storage space. Pipe threaded port for pressure gauge. Carrying strap assists in carrying and dragging hose. Aluminum casting is hardcoat anodized and silver TFT-powdercoat finish inside and out for maximum corrosion protection.

WT5NJ-NJ-NF

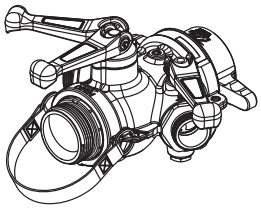
10.0 lbs (4.5 kg)
6.90"H x 8.00"W x 10.50"L
(18.0 x 25.0 x 27.0 cm)



WT5NJ-NJ-NF - WATER THIEF 2.5" (65mm) NHF X 2.5" (65mm) NHM DUAL 1.5" (38mm) NHM SIDE PORTS - Quarter-turn aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) and 1.5" (38mm) waterways provide maximum flow with minimal loss. Rugged lightweight aluminium alloy casting with durable powder coat finish inside and out, anodized couplings, super tough nylon folding handles and built in carrying strap. 2.5" (65mm) NH female swivel rocker lug inlet coupling is standard.

WT5HNJ-NJ-NF

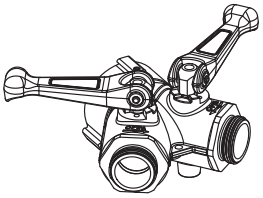
10.7 lbs (4.9 kg)
6.90"H x 9.80"W x 10.50"L
(18.0 x 25.0 x 27.0 cm)



WT5HNJ-NJ-NF - WATER THIEF 2.5" (65mm) NHF X 2.5" (65mm) NHM DUAL 1.5" (38mm) NHM SIDE PORTS - Quarter-turn aluminum ball valves provide a positive shutoff. Full flow 2.5" (65mm) and 1.5" (38mm) waterways provide maximum flow with minimal loss. Rugged lightweight aluminium alloy casting with durable powder coat finish inside and out, anodized couplings, super tough nylon folding handles and built in carrying strap. 2.5" (65mm) NH female swivel long handle inlet coupling is standard.

AYNJ-NF

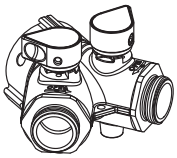
4.9 lb (2.2kg)
6.00" x 6.75"
(15.2 x 17.1cm)



AYNJ-NF - GATED WYE 2.5" NH X 1.5" NH (65mm x 38mm) OUTLETS - 2.5" (65mm) female swivel inlet x two 1.5" (38mm) male outlets. Quarter-turn aluminum ball valves provide a positive shutoff. Full flow 1.5" (38mm) ball waterway. Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out, anodized couplings, and super tough nylon folding handles. NH thread is standard. 2.5" NH female swivel rocker lug inlet coupling.

AYSNJ-NF

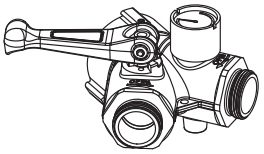
3.8 lb (1.7kg)
5.20" x 6.80"
(13.2 x 17.3cm)



AYSNJ-NF - GATED WYE 2.5" NH X 1.5" NH (65mm x 38mm) OUTLETS - 2.5" (65mm) female swivel inlet x two 1.5" (38mm) male outlets. Quarter-turn aluminum ball valves provide a positive shutoff. Full flow 1.5" (38mm) ball waterway. Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out, anodized couplings, and super tough short handles. NH thread is standard. 2.5" NH female swivel rocker lug inlet coupling.

AYG-NJ-NF

3.9 lb (1.8kg)
6.00" x 6-3/4"
(15.2 x 17.1cm)



AYG-NJ-NF - STANDPIPE WYE 2.5" NH X 1.5" NH (65mm X 38mm) - 2.5" (65mm) female swivel inlet x two 1.5" (38mm) male outlets. This wye is intended for use in high rise packs. One branch of the wye connects to the hose in the pack. The other branch has a quarter-turn aluminum ball valve for positive shutoff. A pressure gauge is mounted on top of the wye. Rugged, lightweight aluminum alloy casting with durable powder coat finish inside and out, anodized couplings and super tough folding nylon handles. 2.5" NH female rocker lug swivel inlet coupling is standard.

BALL INTAKE VALVE

AB Series - BIV - TFT's Ball Intake Valve has a 3.65" waterway and is designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125 or 150mm) hose. The 30° intake elbow swivels 360° and has multiple positive detents. Make hose connections from any direction with minimal kinks and coupling stress. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The hand wheel needs 7-1/2 turns to open, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The hand wheel is installed on the right side of the valve, but can be switched to the left side if desired. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Includes TFT's new adjustable pressure relief valve with a discharge that can be directed one of four ways and meets NFPA 1901. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
AB7NT-NX
35.0 lbs (15.8 kg)
15.60" (39.0cm) Height
13" (26 cm)Width
14" (35.8 cm) Depth

Ball Intake Valve
Your Choice

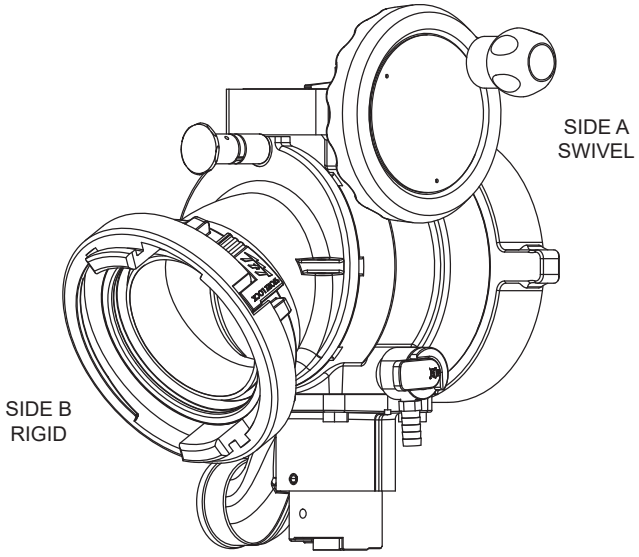
To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 216



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**



AB1ST-NT

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

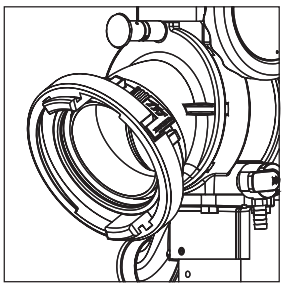
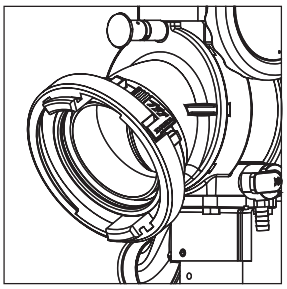
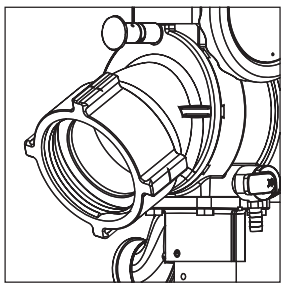
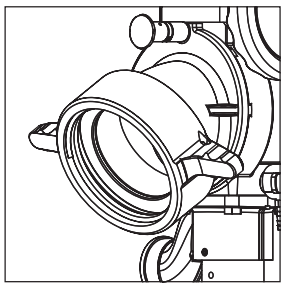
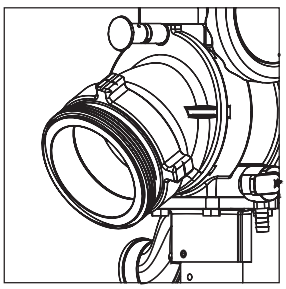
If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AB with AC. AC denotes no PRV, deduct $250 from the appropriate AB published list price.

Blind Caps and Pressure Relief Valve information is located on page 127 and 153.
Suction Screen information is located on page 218, under LDH service kits.

AB		-	

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B
to a 6.0" NH Female Swivel on Side A would be

AB	7	N	P	-	N	X

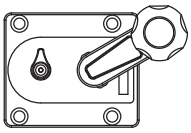
AB	Side B		–	Side A
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz			
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel			
	7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle			
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid			

BALL INTAKE VALVE WITH PARALLEL SHAFT DRIVE

AB Series - BIV - TFT's Ball Intake Valve has a 3.65" waterway and is designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125 or 150mm) hose. The 30° intake elbow swivels 360° and has multiple positive detents. Make hose connections from any direction with minimal kinks and coupling stress. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The hand crank needs 7-1/2 turns to open, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The hand crank is installed with a 2-5/8" swing but may be switched to 1-5/8" if desired. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Includes TFT's new adjustable pressure relief valve with a discharge that can be directed one of four ways and meets NFPA 1901. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
AB7NT-NX-PS
35.0 lbs (15.8 kg)
16.00" (41.5 cm) Height
11.50" (29.2 cm)Width
14" (35.8 cm) Depth

Votre choix



Top View of Control

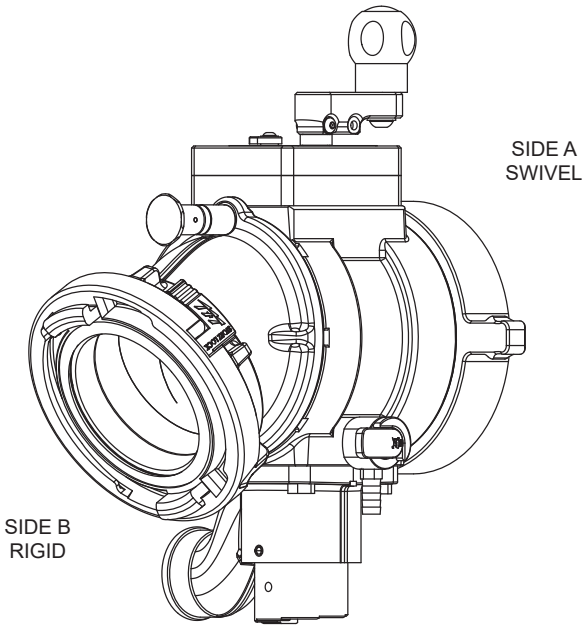
To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**



AB1ST-NT-PS

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AB with AC. AC denotes no PRV, deduct $250 from the appropriate AB published list price.

Blind Caps and Pressure Relief Valve information is located on page 127 and 153.
Suction Screen information is located on page 218, under LDH service kits.

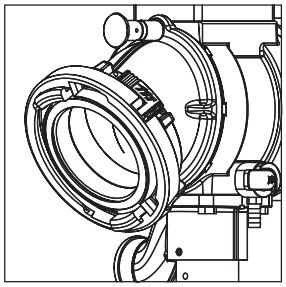
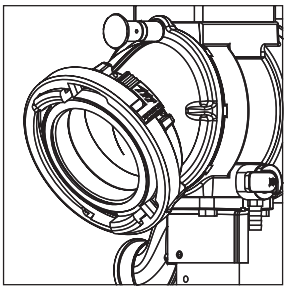
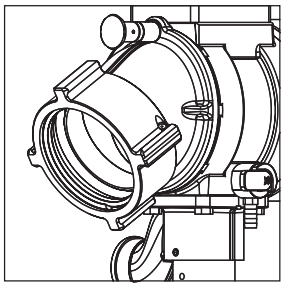
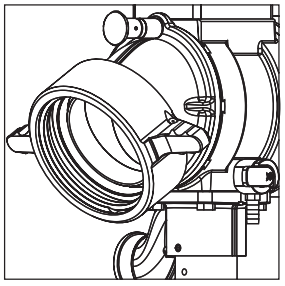
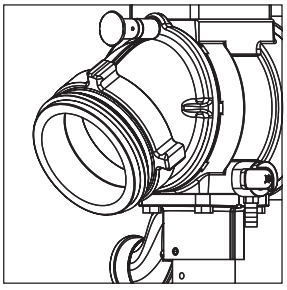
Handle couplings rotate freely until tightened on engine.
NH threads per NFPA 1963 are standard.
Consult factory for NPSH, BSP, or Special Threads

BALL INTAKE VALVE WITH PARALLEL SHAFT DRIVE

AB		-		-	P	S

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A with a parallel shaft drive would be

AB	7	N	P	-	N	X	-	P	S

	Side B			Side A		Option
AB			–		–	
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel		PS) Parallel Shaft
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

JUMBO BALL INTAKE VALVE

AX Series - TFT's Jumbo Ball Intake valve has a huge 5-¼ inch diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125, or 150 mm) hose. The 30° intake elbow swivels 360° and has multiple positive detents. Make hose connections in any direction with minimal kinks and coupling stress. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The handwheel needs 7-½ turns to close, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The handwheel is installed on the right side of the valve, but can be switched to the left side if desired. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose coupling and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Includes TFT's adjustable pressure relief valve with a discharge that can be directed one of four ways and meets NFPA 1901. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
AX7HNX-NX
37.0 lbs (16.8kg)
17.75" (45.0cm) Height
14.00" (36.0cm) Width
15.50" (39.0cm) Depth

Jumbo Ball Intake Valve
Your Choice

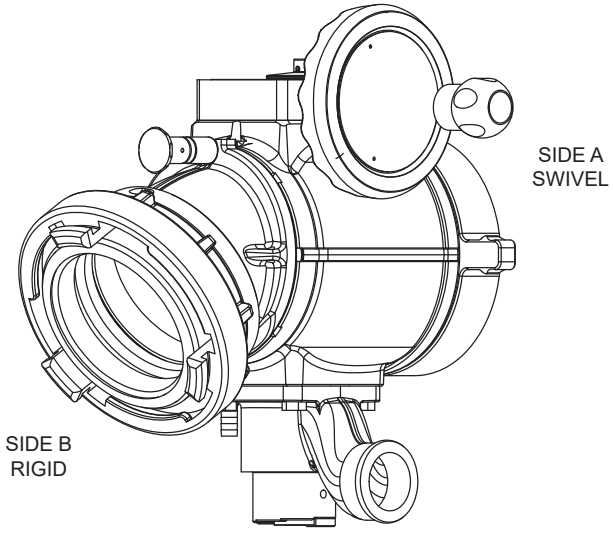
To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**



AX1SX-NX

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

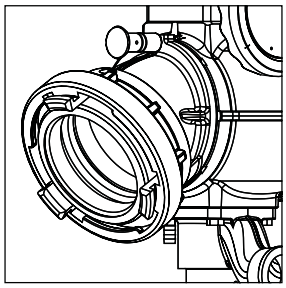
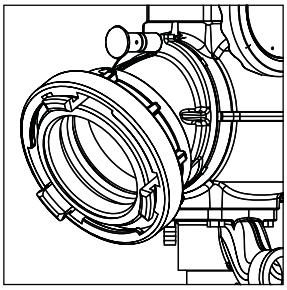
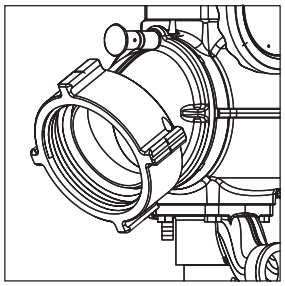
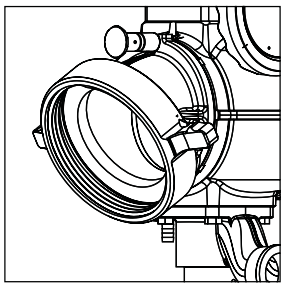
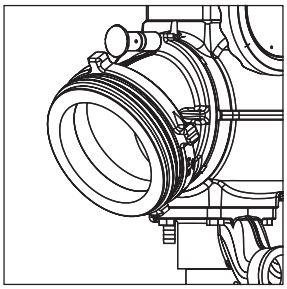
If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AB with AC. AC denotes no PRV, deduct $250 from the appropriate AB published list price.
Blind Caps and Pressure Relief Valve information is located on page 127 and 153.
Suction Screen information is located on page 218, under LDH service kits.

Handle couplings rotate freely until tightened on engine.
NH threads per NFPA 1963 are standard.
Consult factory for NPSH, BSP, or Special Threads

AX		-	

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B
to a 6.0" NH Female Swivel on Side A would be

AX	7	N	P	-	N	X

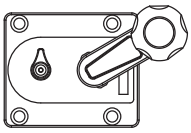
	Side B			Side A
AX			—	
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NX) 6.0" Threaded Swivel
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz			
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel			
	7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle			
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid			

JUMBO BALL INTAKE VALVE WITH PARALLEL SHAFT DRIVE

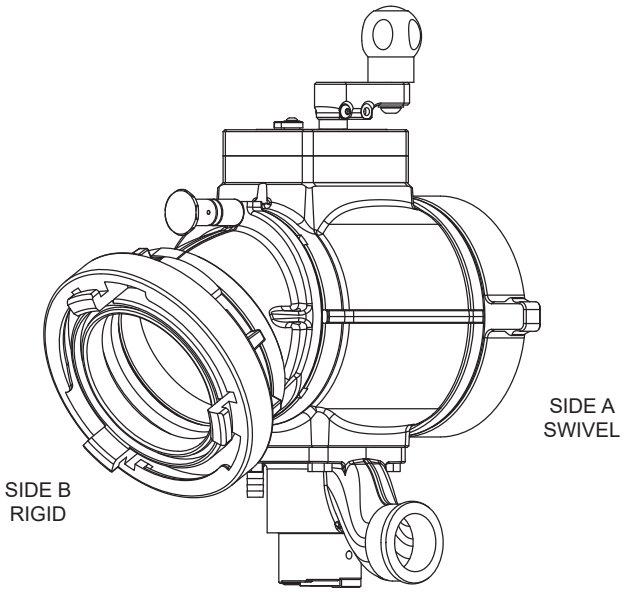
AX Series - TFT's Jumbo Ball Intake valve has a huge 5-¼ inch diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125, or 150 mm) hose. The 30° intake elbow swivels 360° and has multiple positive detents. Make hose connections in any direction with minimal kinks and coupling stress. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The handcrank needs 7-½ turns to close, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The handcrank is installed with a 2-5/8" swing but may be switched to 1-5/8" if desired. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose coupling and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Includes TFT's adjustable pressure relief valve with a discharge that can be directed one of four ways and meets NFPA 1901. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
AX7HNX-NX-PS
37.0 lbs (16.8kg)
18.75" (47.5cm) Height
11.50" (29.2cm) Width
15.50" (39.0cm) Depth

Jumbo Ball Intake Valve
Your Choice



Top View of Control



AX1SX-NX-PS

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AX with AZ.
AZ denotes no PRV, deduct $250 from the appropriate AX published list price.

Blind Caps and Pressure Relief Valve information is located on page 127 and 153.
Suction Screen information is located on page 218, under LDH service kits.

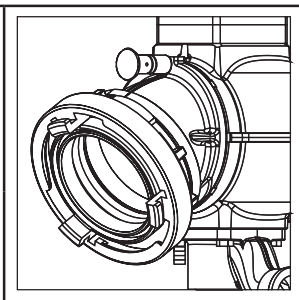
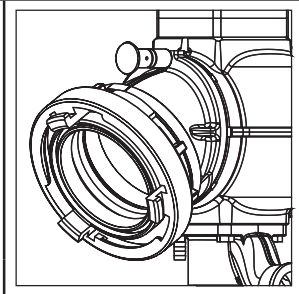
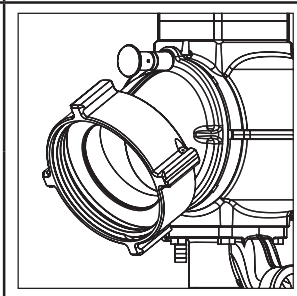
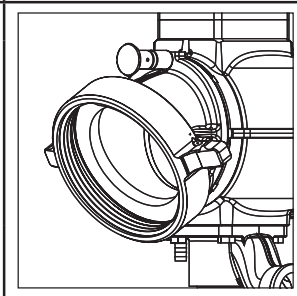
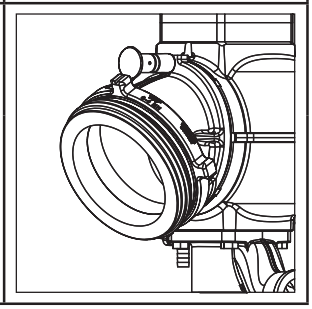
Handle couplings rotate freely until tightened on engine.
NH threads per NFPA 1963 are standard.
Consult factory for NPSH, BSP, or Special Threads

JUMBO BALL INTAKE VALVE WITH PARALLEL SHAFT DRIVE

AX		-		-	P S

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

AX	7 N P	-	N X	-	P S

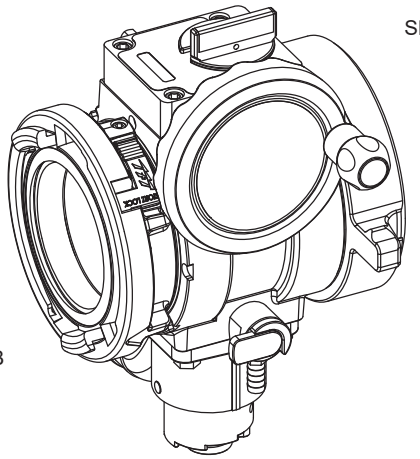
	Side B			Side A		Option
AX			—		—	
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NX) 6.0" Threaded Swivel		PS) Parallel Shaft
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

SHORT BALL INTAKE VALVE

ABS Series – TFT's Ball Intake Valve has a 3.65" waterway and is designed for use with 4, 5 or 6 inch (100, 125, or 150mm) hose. The compact design without swiveling inlet elbow allows use in limited space, such as behind compartment doors. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi hydrostatic strength test. The aluminum casting is hardcoat anodized, and TFT powder coated inside and out for maximum corrosion protection. All components on the wet side of the valve are made of stainless steel for additional corrosion protection. Meets NFPA slow-close requirements. The Ball Intake Valves allow for multiple control configurations, with reversible side handwheel as well as a top mounted control to allow ease of use on all apparatus pump panel designs. Valve position indicator is standard. The unit comes equipped with a rugged 3/4 inch (19mm) drain valve to quickly drain water from the valve housing. A port for an option air bleed valve is incorporated win the design for user friendly configurability. Hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Automatic fast reacting pressure relief valve is easily set without special tools and protects from over pressurization of the hose lines and appliance. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
ABS1SX-NX
31.1 lb (14.1 kg)
16.2" (41.1 cm) Height
13.4" (34.0 cm) Width
11.0" (27.9 cm) Depth

Short Ball Intake Valve
Your Choice



ABS1ST-NX

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

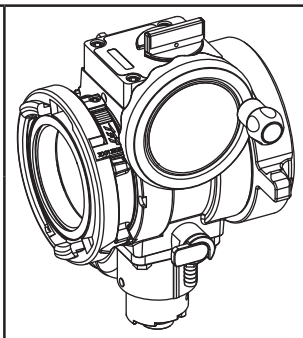
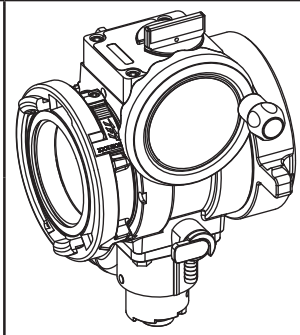
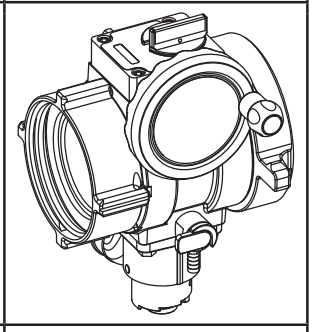
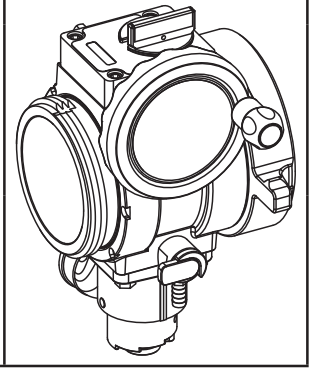
To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

Handle couplings rotate freely until tightened on engine.
NH threads per NFPA 1963 are standard.
Consult factory for NPSH, BSP, or Special Threads

ABS		-	

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B
to a 6.0" NH Female Swivel on Side A would be

ABS	7	N	P	-	N	X

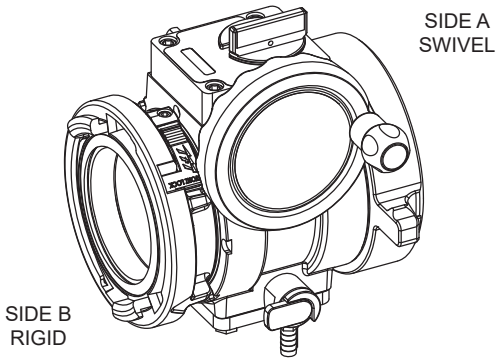
	Side B			Side A
ABS			—	
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz			
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel			
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid			

SHORT BALL INTAKE VALVE

ACS Series – TFT's Ball Intake Valve has a 3.65" waterway and is designed for use with 4, 5 or 6 inch (100, 125, or 150mm) hose. The compact design without swiveling inlet elbow allows use in limited space, such as behind compartment doors. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi hydrostatic strength test. The aluminum casting is hardcoat anodized, and TFT powder coated inside and out for maximum corrosion protection. All components on the wet side of the valve are made of stainless steel for additional corrosion protection. Meets NFPA slow-close requirements. The Ball Intake Valves allow for multiple control configurations, with reversible side handwheel as well as a top mounted control to allow ease of use on all apparatus pump panel designs. Valve position indicator is standard. The unit comes equipped with a rugged 3/4 inch (19mm) drain valve to quickly drain water from the valve housing. A port for an option air bleed valve is incorporated win the design for user friendly configurability. Hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Does not include pressure relief valve. Opening for optional pressure relief valve is capped. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
ACS1SX-NX
29.4 lb (13.3 kg)
12.8" (32.5 cm) Height
13.4" (34.0 cm) Width
11.0" (27.9 cm) Depth

Short Ball Intake Valve
Your Choice



ACS1ST-NX

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

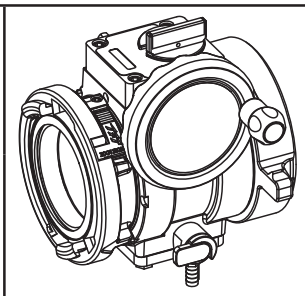
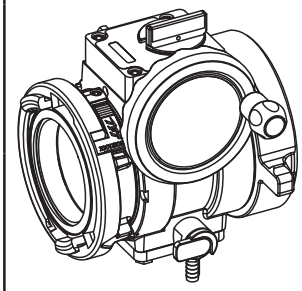
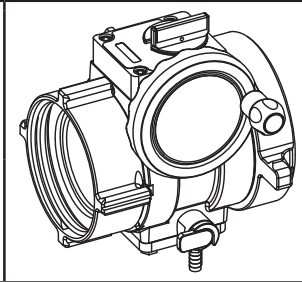
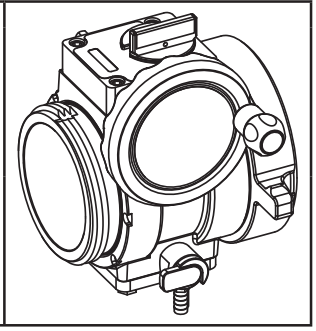
Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

ACS		-	

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B
to a 6.0" NH Female Swivel on Side A would be

ACS	7	N	P	-	N	X

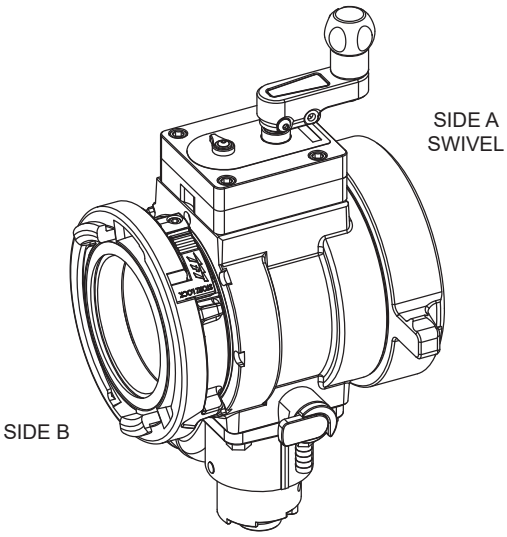
	Side B			Side A
ACS			—	
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz			
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel			
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid			

SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

ABS Series – TFT's Ball Intake Valve has a 3.65" waterway and is designed for use with 4, 5 or 6 inch (100, 125, or 150mm) hose. The compact design without swiveling inlet elbow allows use in limited space, such as behind compartment doors. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi hydrostatic strength test. The aluminum casting is hardcoat anodized, and TFT powder coated inside and out for maximum corrosion protection. All components on the wet side of the valve are made of stainless steel for additional corrosion protection. Meets NFPA slow-close requirements. The Ball Intake Valves allow for multiple control configurations, with reversible side handwheel as well as a top mounted control to allow ease of use on all apparatus pump panel designs. Valve position indicator is standard. The unit comes equipped with a rugged 3/4 inch (19mm) drain valve to quickly drain water from the valve housing. A port for an option air bleed valve is incorporated win the design for user friendly configurability. Hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Automatic fast reacting pressure relief valve is easily set without special tools and protects from over pressurization of the hose lines and appliance. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
ABS1SX-NX-PS
31.6 lb (14.3 kg)
17.8" (45.2 cm) Height
11.2" (28.4 cm) Width
11.0" (27.9 cm) Depth

Short Ball Intake Valve
Your Choice



ABS1ST-NX-PS

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

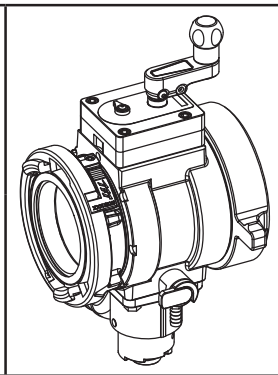
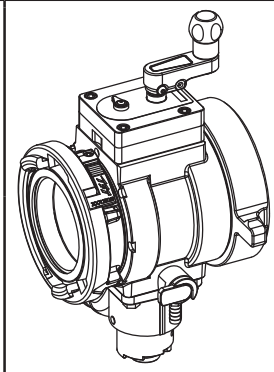
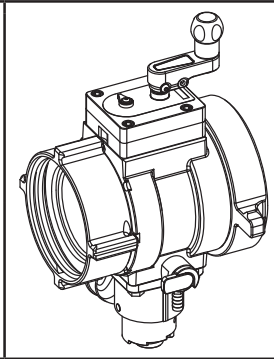
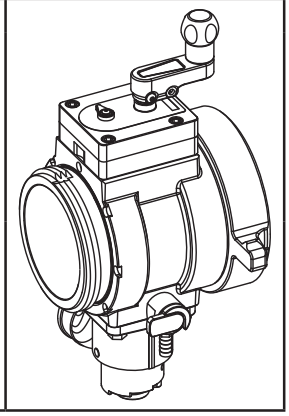
To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

ABS		-		-	P	S

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

ABS	7	N	P	-	N	X	-	P	S

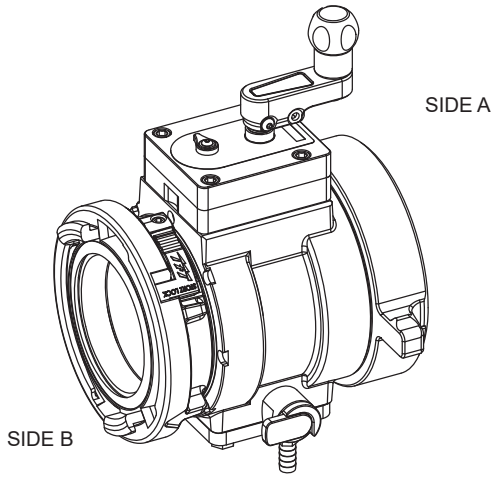
	Side B			Side A		Option
ABS			—		—	PS
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel		PS) Parallel Shaft
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

ACS Series – TFT's Ball Intake Valve has a 3.65" waterway and is designed for use with 4, 5 or 6 inch (100, 125, or 150mm) hose. The compact design without swiveling inlet elbow allows use in limited space, such as behind compartment doors. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi hydrostatic strength test. The aluminum casting is hardcoat anodized, and TFT powder coated inside and out for maximum corrosion protection. All components on the wet side of the valve are made of stainless steel for additional corrosion protection. Meets NFPA slow-close requirements. The Ball Intake Valves allow for multiple control configurations, with reversible side handwheel as well as a top mounted control to allow ease of use on all apparatus pump panel designs. Valve position indicator is standard. The unit comes equipped with a rugged 3/4 inch (19mm) drain valve to quickly drain water from the valve housing. A port for an option air bleed valve is incorporated win the design for user friendly configurability. Hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Does not include pressure relief valve. Opening for optional pressure relief valve is capped. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
ACS1SX-NX-PS
29.9 lb (13.6 kg)
14.4" (36.7 cm) Height
11.2" (28.4 cm) Width
11.0" (27.9 cm) Depth

Short Ball Intake Valve
Your Choice



ACSIST-NX-PS

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

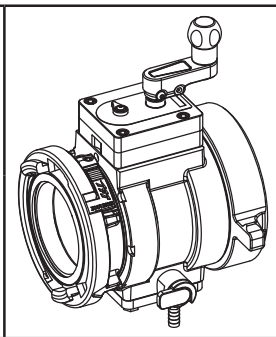
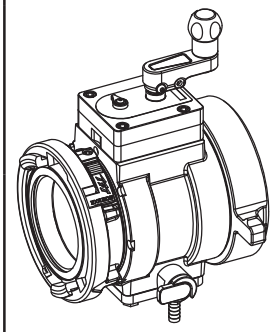
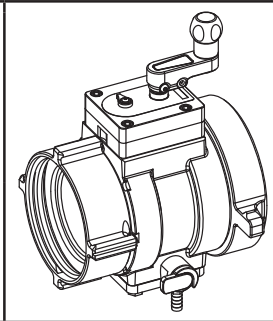
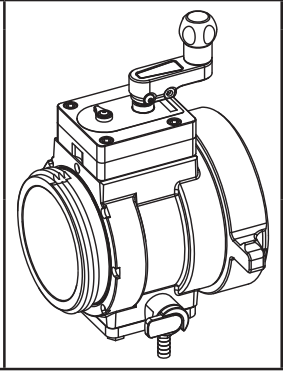
NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

ACS		-		-	P	S

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

ACS	7	N	P	-	N	X	-	P	S

	Side B			Side A		Option
ACS			—		—	PS
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel		PS) Parallel Shaft
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

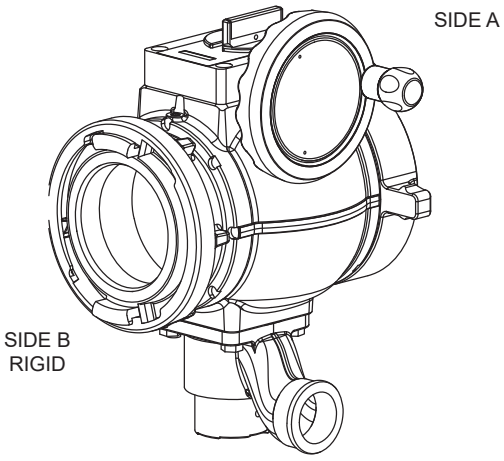
NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

JUMBO SHORT BALL INTAKE VALVE

AP Series - TFT's Jumbo Small Ball Intake Valve has a huge 5-¼ inch diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125, or 150 mm) hose. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The handwheel needs 7-½ turns to close, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The handwheel is installed on the right side of the valve, but can be switched to the left side if desired. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose coupling and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Includes TFT's adjustable pressure relief valve with a discharge that can be directed one of four ways and meets NFPA 1901. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. *Pressure Loss Chart on page 239.*

Dimensional Maximum
AP1SX-NX
32.0 lb (14.5 kg)
17.4" (44.2 cm) Height
13.4" (34.0 cm) Width
12.9" (32.8 cm) Depth

Jumbo Short Ball Intake Valve - Your Choice



AP1ST-NX

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

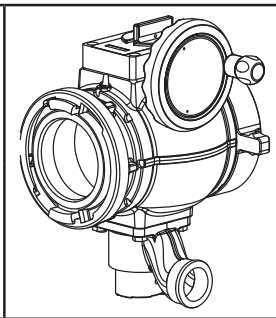
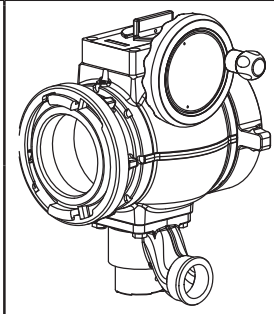
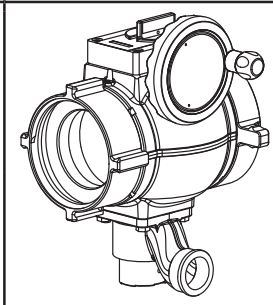
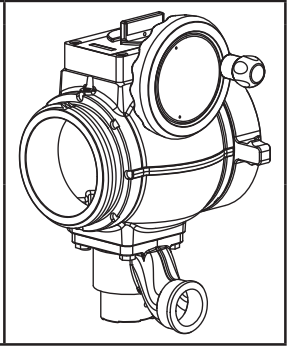
To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

Handle couplings rotate freely until tightened on engine.
NH threads per NFPA 1963 are standard.
Consult factory for NPSH, BSP, or Special Threads

AP		-	

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B
to a 6.0" NH Female Swivel on Side A would be

AP	7	N	P	-	N	X

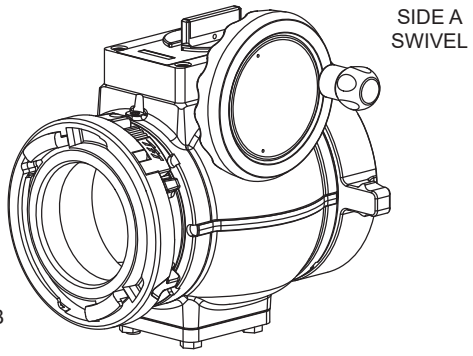
	Side B			Side A
AP			—	
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NX) 6.0" Threaded Swivel
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz			
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel			
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid			

JUMBO SHORT BALL INTAKE VALVE

AQ Series - TFT's Jumbo Short Ball Intake Valve has a huge 5-¼ inch diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125, or 150 mm) hose. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The handwheel needs 7-½ turns to close, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The handwheel is installed on the right side of the valve, but can be switched to the left side if desired. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose coupling and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Does not include pressure relief valve. Opening for optional pressure relief valve is capped. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
AQ1SX-NX
30.3 lb (13.7 kg)
13.9" (35.3 cm) Height
13.4" (34. 0 cm) Width
12.9" (32.8 cm) Depth

Jumbo Short Ball Intake Valve - Your Choice



AQ1ST-NX

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

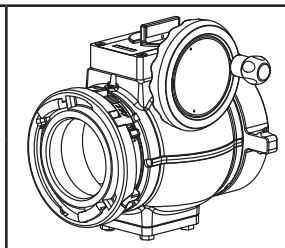
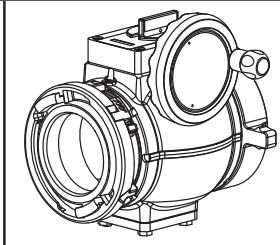
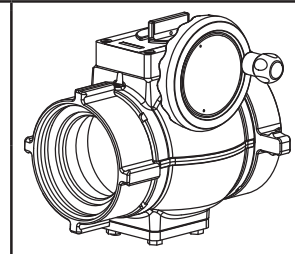
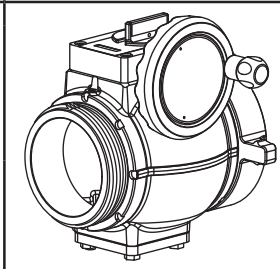
Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

AQ		-	

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B
to a 6.0" NH Female Swivel on Side A would be

AQ	7	N	P	-	N	X

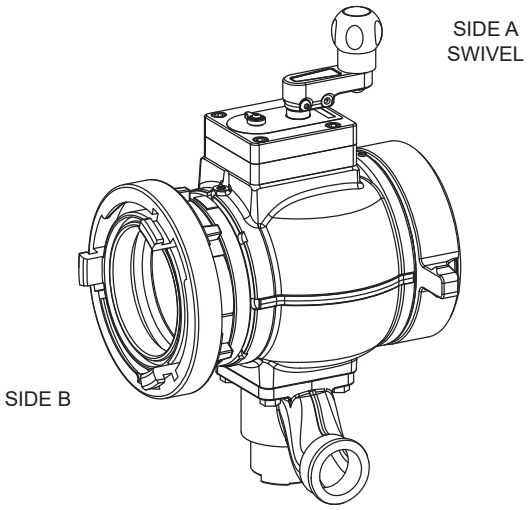
	Side B			Side A
AQ			—	
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NX) 6.0" Threaded Swivel
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz			
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel			
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid			

JUMBO SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

AP Series - TFT's Jumbo Small Ball Intake Valve has a huge 5-¼ inch diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125, or 150 mm) hose. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The handcrank needs 7-½ turns to close, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The handcrank is installed with a 2-5/8" swing but may be switched to 1-5/8" if desired. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose coupling and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Includes TFT's adjustable pressure relief valve with a discharge that can be directed one of four ways and meets NFPA 1901. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
AP1SX-NX-PS
31.0 lbs (14.0kg)
12.70" (32.3 cm) Height
14.00" (36.0 cm) Width
12.20" (31.0 cm) Depth

Jumbo Short Ball Intake Valve - Your Choice



AQ1SX-NX-PS

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

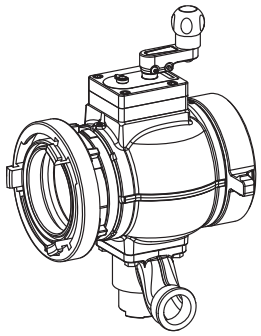
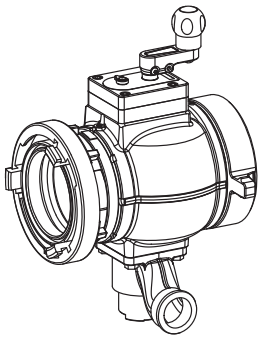
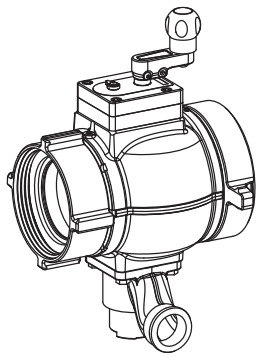
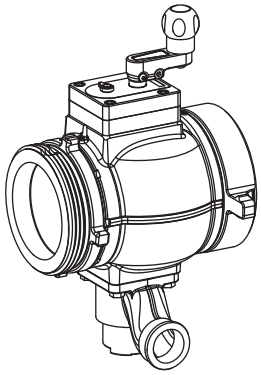
NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

JUMBO SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

AP		-		-	P	S

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

AP	7	N	P	-	N	X	-	P	S

	Side B			Side A		Option
AP			—		—	PS
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NX) 6.0" Threaded Swivel		PS) Parallel Shaft
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

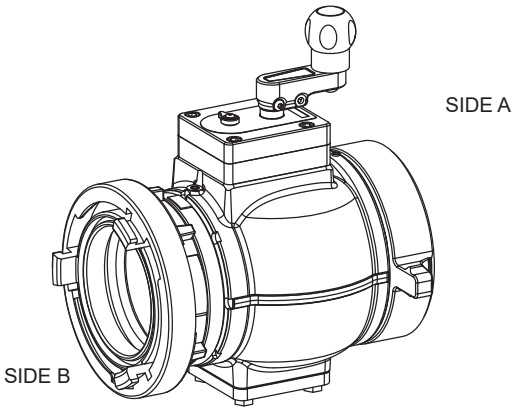
NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

JUMBO SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

AQ Series - TFT's Jumbo Short Ball Intake Valve has a huge 5-¼ inch diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125, or 150 mm) hose. Designed for pressure or vacuum service on a pumper. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. All the components on the wet side of the valve are made of stainless steel for additional corrosion protection. The handcrank needs 7-½ turns to close, meeting NFPA slow close requirements. There is a unique position indicator that shows the operator if the valve is open, closed or somewhere in between. The handcrank is installed with a 2-5/8" swing but may be switched to 1-5/8" if desired. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Hose coupling and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Does not include pressure relief valve. Opening for optional pressure relief valve is capped. Contact TFT customer service for configurations not shown. Cap lanyard anchor point is standard. Pressure Loss Chart on page 239.

Dimensional Maximum
AQ1SX-NX
34.0 lbs (15.4kg)
17.75" (45.0cm) Height
14.00" (36.0cm) Width
12.20" (31.0cm) Depth

Jumbo Short Ball Intake Valve - Your Choice



AQ3SP-NX-PS

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

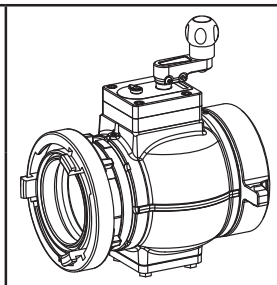
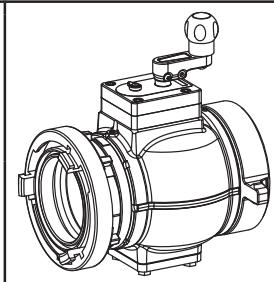
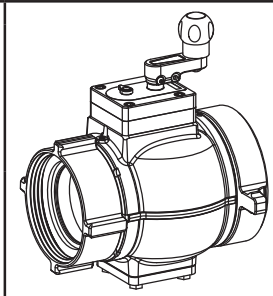
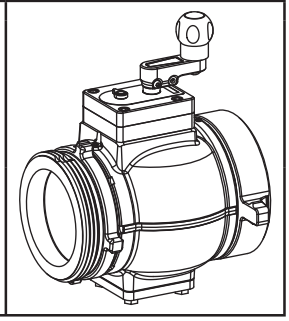
To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

JUMBO SHORT BALL INTAKE VALVE WITH PARALLEL DRIVE SHAFT

AQ		-		-	P	S

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

AP	7	N	P	-	N	X	-	P	S

	Side B			Side A		Option
AQ			—		—	PS
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NX) 6.0" Threaded Swivel		PS) Parallel Shaft
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

JUMBO LOW PROFILE BALL INTAKE VALVE LEFT HAND DRIVE

AXD Series – TFT's Jumbo Low Profile Ball intake valve has a huge 5-1/4 inch (133 mm) diameter waterway giving low friction loss to maximize flow. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125, or 150 mm) hose. The 30° intake elbow swivels 360°, has multiple positive detents and includes a cap lanyard anchor point. Make hose connections in any direction with minimal kinks and coupling stress. The valve is designed for pressure or vacuum service. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. Seven and a half turns of the hand crank to close the valve meets NFPA slow close requirements. A reflective position indicator clearly shows the operator the valve's position. The handcrank can be specified to operate in the front or the top of the valve to maximize clearance. A rugged ¼-turn Air Vent at the top of the valve allows air to be bled quickly. TFT's adjustable Pressure Relief Valve (PRV) is installed with the discharge pointing downward and meets NFPA 1901. The aluminum castings are hardcoat anodized, and TFT powdercoat finished inside and out for maximum corrosion protection. All wetted components are aluminum alloys to prevent galvanic corrosion, and are specially coated for additional corrosion protection. Hose coupling and truck connections are attached to the valve using polymer bearing rings which can provide electrical isolation to help prevent galvanic corrosion. The Jumbo Low Profile Ball Intake Valve is covered by a 10 year warranty. Contact TFT customer service for configurations not shown. Friction loss is 5 psi at 2000 gpm; Pressure Loss Chart is on page 239.

The Low Profile Jumbo Intake Value series includes a 10 year warranty against manufacturing defects and corrosion that affects the valve's operational performance.

To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 218.



For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Dimensional Maximum
AXD7HNX-NX-T
27.5 lbs (12.5kg)
14.7" (37.3cm) Height
13.8" (35.1cm) Width
11.3" (28.7cm) Depth

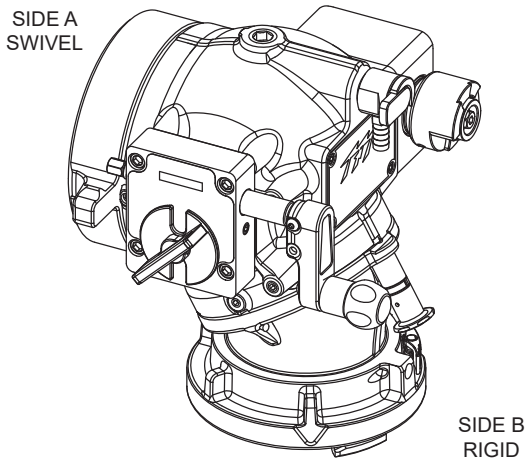
Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

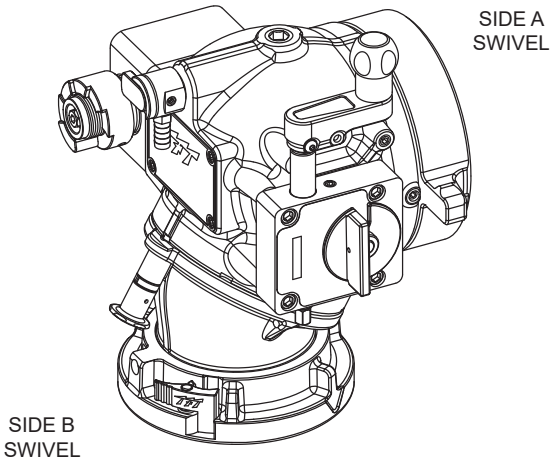
Any Junbo Low Profile Ball Intake Valve Your Choice

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram



LEFT
FRONT CRANK SHOWN
AXD1ST-NX-F



RIGHT
TOP CRANK SHOWN
AXE3ST-NX-T

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AXD with AZD. AZD denotes no PRV, deduct $250 from the appropriate AXD published list price.

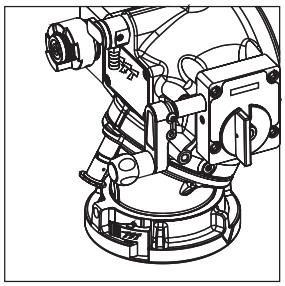
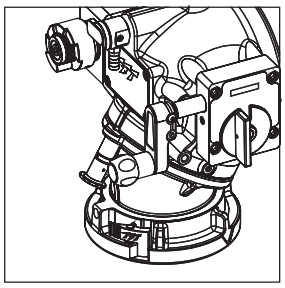
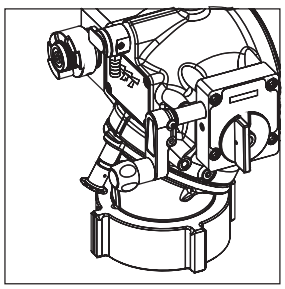
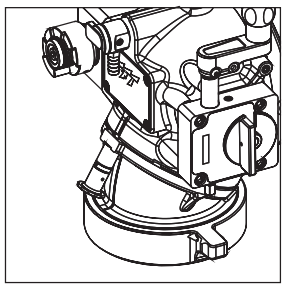
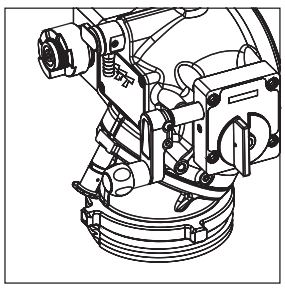
Blind Caps and Pressure Relief Valve information is located on page 127 and 153.
Suction Screen information is located on page 218, under LDH service kits.

JUMBO LOW PROFILE BALL INTAKE VALVE LEFT HAND DRIVE

AXD		-		-	

(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B
to a 6.0" NH Female Swivel on Side A would be

AXD	7	N	P	-	N	X	-	F

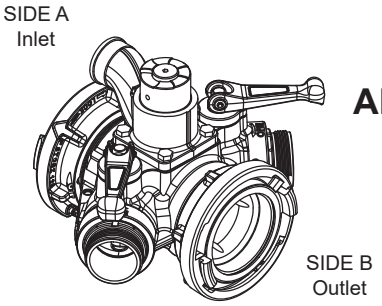
Crank Side	Side B		—	Side A	—	Crank Position
AXD) Left **AXE)** Right	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel		F) Front Crank T) Top Crank
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

LDH WATER THIEF

TFT's LDH Water Thief is a rugged valve with two valved discharge ports, each with a full 2 ½ inch waterway. Maximum operating pressure is 300 psi. Valve seats are field replaceable. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is Hardcoat anodized and silver TFT powdercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AL11P1P1

25.0 lbs (11.3kg)
11.50" (29.2cm) Height
15.00" (38.1cm) Width
15.60" (39.6cm) Depth



LDH WATER THIEF WITH PRV

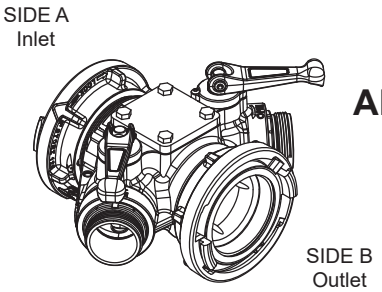
AL1 ____ **1**

A INLET SIDE		**B** OUTLET SIDE	
Inlet Type **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 6) F Long Handle Rigid	Size **P)** 4" R) 4.5" T) 5"	Outlet Type **2)** Storz 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"

F = Female , Water Thief Supplied with 2.5" (65mm) Male Outlets.

Dimensional Maximum
AL11T1T0

22.0 lbs (11.3kg)
8.75" (29.2cm) Height
15.00" (38.1cm) Width
15.60" (39.6cm) Depth



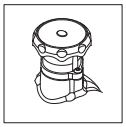
LDH WATER THIEF WITHOUT PRV

AL1 ____ **0**

A INLET SIDE		**B** OUTLET SIDE	
Inlet Type **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 6) F Long Handle Rigid	Size **P)** 4" R) 4.5" T) 5"	Outlet Type **2)** Storz 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"

F = Female, Water Thief Supplied with 2.5" (65mm) Male Outlets.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram



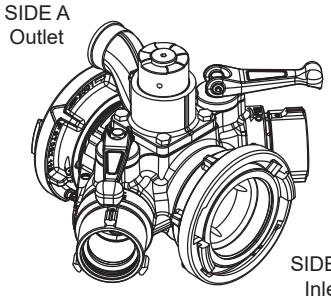
Slow Close Valve Option is available on all models. Call for additional information.

LDH SIAMESE WATER THIEF

TFT's LDH Siamese Water Thief is a rugged valve with two valved inlet ports, each with a full 2 ½ inch waterway. Maximum operating pressure is 300 psi. Valve seats are field replaceable. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is Hardcoat anodized and silver TFT powdercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AL51T1T1

25.0 lbs (11.3kg)
11.50" (29.2cm) Height
15.00" (38.1cm) Width
15.60" (39.6cm) Depth



SIAMESE WATER THIEF WITH PRV

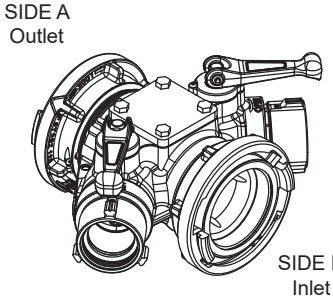
AL5 ____ **1**

A OUTLET SIDE		**B** INLET SIDE	
Inlet Type **2)** Storz 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	Outlet Type **2)** Storz 3) F Rocker Lug Swivel	Size **P)** 4" R) 4.5" T) 5"

LDH Suction Water Thief Suplied With Female 2.5" (65mm) Inlets.

Dimensional Maximum
AL51T1T0

22.0 lbs (11.3kg)
8.75" (29.2cm) Height
15.00" (38.1cm) Width
15.60" (39.6cm) Depth



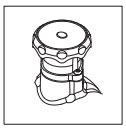
SIAMESE WATER THIEF WITHOUT PRV

AL5 ____ **0**

A OUTLET SIDE		**B** INLET SIDE	
Inlet Type **2)** Storz 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	Outlet Type **2)** Storz 3) F Rocker Lug Swivel	Size **P)** 4" R) 4.5" T) 5"

LDH Suction Water Thief Suplied With Female 2.5" (65mm) Inlets.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram



Slow Close Valve Option is available on all models. Call for additional information.

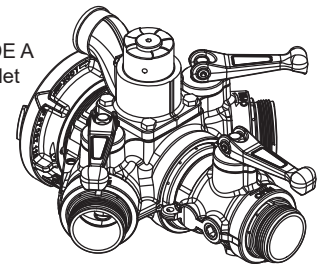
3-WAY VALVED MANIFOLD

TFT's 3-Way Valved Manifold is a rugged manifold with three 2 ½ inch valved discharge ports, each with a full 2 ½ inch waterway. Maximum operating pressure is 300 psi. Valve seats are field replaceable. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is Hardcoat anodized and silver TFT powdercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve that meets NFPA 1901. Optional rugged ¾ inch (19mm) air bleed valve to quickly bleed air from the lines or to drain water from the valve housing. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AL31P1

25.0 lbs (10.4kg)
11.50" (29.2cm) Height
15.00" (38.1cm) Width
17.50" (44.5cm) Depth

SIDE A
Inlet



3-WAY MANIFOLD WITH PRV

AL3 | **A** INLET SIDE | | **1**

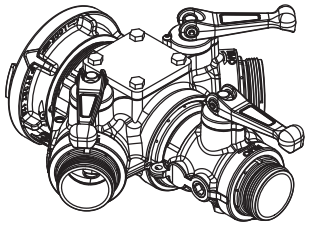
Inlet Type **2)** Storz 3) Female Rocker Lug Swivel 5) Female Long Handle Swivel	Size **P)** 4" R) 4.5" T) 5"

3-Way Manifold Supplied with 2.5" (65mm) Male Outlets.

Dimensional Maximum
AL31T0

23.0 lbs (9.1kg)
8.75" (22.2cm) Height
15.00" (38.1cm) Width
17.50" (44.5cm) Depth

SIDE A
Inlet

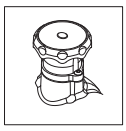


3-WAY MANIFOLD WITHOUT PRV

AL3 | **A** INLET SIDE | | **0**

Inlet Type **2)** Storz 3) Female Rocker Lug Swivel 5) Female Long Handle Swivel	Size **P)** 4" R) 4.5" T) 5"

3-Way Manifold Supplied with 2.5" (65mm) Male Outlets.



Slow Close Valve Option is available on all models. Call for additional information.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely.
See page 220 for diagram

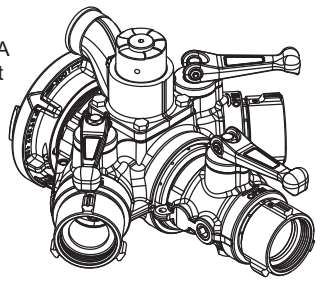
3-WAY SIAMESE MANIFOLD

TFT's 3-Way Valved Siamese Manifold is a rugged siamese manifold with three 2 ½ inch valved inlet ports, each with a full 2 ½ inch waterway. Maximum operating pressure is 300 psi. Valve seats are field replaceable. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is Hardcoat anodized and silver TFT powdercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve that meets NFPA 1901. Optional rugged ¾ inch (19mm) air bleed valve to quickly bleed air from the lines or to drain water from the valve housing. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AL71T1

25.0 lbs (10.4kg)
11.50" (29.2cm) Height
15.00" (38.1cm) Width
17.50" (44.5cm) Depth

SIDE A
Outlet



3-WAY SIAMESE WITH PRV

AL7 | **A** OUTLET SIDE | | **1**

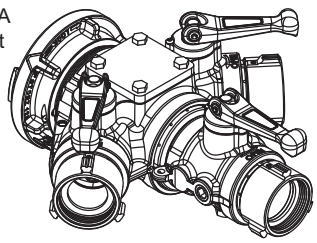
Outlet Type **2)** Storz 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"

3-Way Siamese Manifold Supplied with 2.5" (65mm) Female Inlets.

Dimensional Maximum
AL71T0

23.0 lbs (9.1kg)
8.75" (22.2cm) Height
15.00" (38.1cm) Width
17.50" (44.5cm) Depth

SIDE A
Outlet

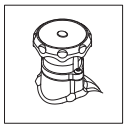


3-WAY SIAMESE WITHOUT PRV

AL7 | **A** OUTLET SIDE | | **0**

Outlet Type **2)** Storz 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"

3-Way Siamese Manifold Supplied with 2.5" (65mm) Female Inlets.



Slow Close Valve Option is available on all models. Call for additional information.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely.
See page 220 for diagram

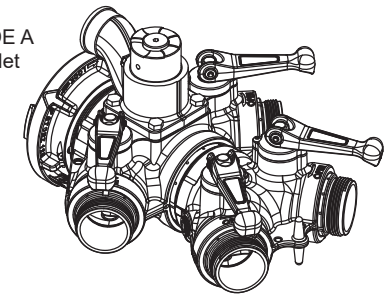
4-WAY VALVED MANIFOLD

TFT's 4-Way Valved Manifold is a rugged manifold with four 2 ½ inch valved discharge ports, each with a full 2 ½ inch waterway. Maximum operating pressure is 300 psi. Valve seats are field replaceable. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is Hardcoat anodized and silver TFT powdercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve that meets NFPA 1901. Optional rugged ¾ inch (19mm) air bleed valve to quickly bleed air from the lines or to drain water from the valve housing. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AL41T1

30.0 lbs (13.6kg)
11.50" (29.2cm) Height
15.00" (38.1cm) Width
17.50" (44.5cm) Depth

SIDE A
Inlet



4-WAY MANIFOLD WITH PRV

AL4 | **A** INLET SIDE | | **1**

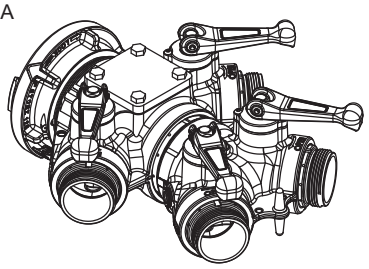
Inlet Type	Size
2) Storz	**P)** 4"
3) Female Rocker Lug Swivel	R) 4.5"
5) Female Long Handle Swivel	T) 5"

4-Way Manifold Supplied with 2.5" (65mm) Male Outlets.

Dimensional Maximum
AL41P0

27.3 lbs (13.6kg)
8.75" (29.2cm) Height
15.00" (38.1cm) Width
17.50" (44.5cm) Depth

SIDE A
Inlet

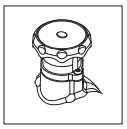


4-WAY MANIFOLD WITHOUT PRV

AL4 | **A** INLET SIDE | | **0**

Inlet Type	Size
2) Storz	**P)** 4"
3) Female Rocker Lug Swivel	R) 4.5"
5) Female Long Handle Swivel	T) 5"

4-Way Manifold Supplied with 2.5" (65mm) Male Outlets.



Slow Close Valve Option is available on all models. Call for additional information.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

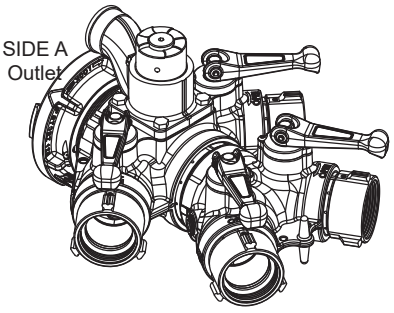
4-WAY VALVED SIAMESE

TFT's 4-Way Valved Siamese Manifold is a rugged siamese manifold with four 2 ½ inch valved inlet ports, each with a full 2 ½ inch waterway. Maximum operating pressure is 300 psi. Valve seats are field replaceable. Quarter turn valve handles with low force to move even under pressure. Automatic valve lock keeps its position while flowing at partial openings. Folding handles minimize storage space. Aluminum casting is Hardcoat anodized and silver TFT powdercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve that meets NFPA 1901). Optional rugged ¾ inch (19mm) air bleed valve to quickly bleed air from the lines or to drain water from the valve housing. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AL82P1

30.0 lbs (13.6kg)
11.50" (29.2cm) Height
(with PRV and Drain)
15.00" (38.1cm) Width
17.50" (44.5cm) Depth

SIDE A
Outlet



4-WAY SIAMESE WITH PRV

AL8 | **A** OUTLET SIDE | | **1**

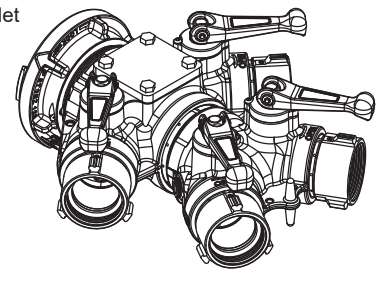
Outlet Type	Size
2) Storz	**P)** 4"
7) Male Rigid	R) 4.5"
	T) 5"

4-Way Siamese Manifold Supplied with 2.5" (65mm) Female Inlets.

Dimensional Maximum
AL81T0

27.3 lbs (13.6kg)
8.75" (29.2cm) Height
(no PRV or Drain)
15.00" (38.1cm) Width
17.50" (44.5cm) Depth

SIDE A
Outlet

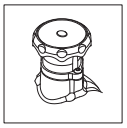


4-WAY SIAMESE WITHOUT PRV

AL8 | **A** OUTLET SIDE | | **0**

Outlet Type	Size
2) Storz	**P)** 4"
7) Male Rigid	R) 4.5"
	T) 5"

4-Way Siamese Manifold Supplied with 2.5" (65mm) Female Inlets.



Slow Close Valve Option is available on all models. Call for additional information.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

5-WAY VALVED MANIFOLD

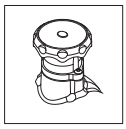
The 5-Way Manifold is a compact, portable, low friction-loss valve that can be used in many water distribution applications. The hydraulically actuated slide valve combined with four of TFT's 2.5" quarter-turn ball valves with folding handles make for the ultimate in versatility. All four 2.5" valves can be used with or without the LDH valve being open. Valve seats are field replaceable, and quarter-turn folding valve handles require low force to move, even under pressure. The automatic valve lock on the 2.5" valves maintain valve position while flowing at partial openings. Folding handles minimize required storage space. Device includes carrying handle, a pressure gage and optional PRV. A polymer bearing ring helps prevents galvanic corrosion on LDH couplings. Storage bracket available.

Dimensional Maximum
No PRV
AL92P2P0

48 lb (21.8 kg)
11.5" (29.2 cm) Height
17.5" (44.5 cm) Width
16.0" (40.6 cm) Depth

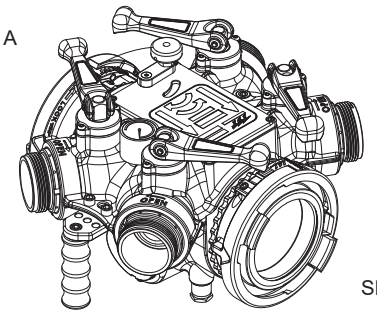
Dimensional Maximum
With PRV
AL92T2T3

51.1 lb (23.2 kg)
11.5" (29.2 cm) Height
17.5" (44.5 cm) Width
16.0" (40.6 cm) Depth



Slow Close Valve Option is available on all models. Call for additional information.

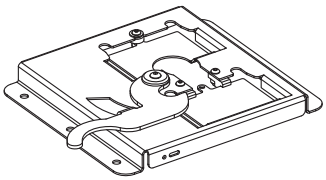
SIDE A



SIDE B

AU-BRACKET

5.5 lbs. (2.5kg)



AL9

INLET SIDE A		**OUTLET** SIDE B		
TYPE	**SIZE**	**TYPE**	**SIZE**	**PRV OPTION**
2) Storz 3) Female Rocker Lug Full Time Swivel 4) Female Rocker Lug Non-Full Time Swivel	**P)** 4" R) 4.5" T) 5" X) 6"	**2)** Storz 7) Male Rigid	**P)** 4" R) 4.5" T) 5" X) 6"	**0)** NO PRV 3) 300 psi PRV

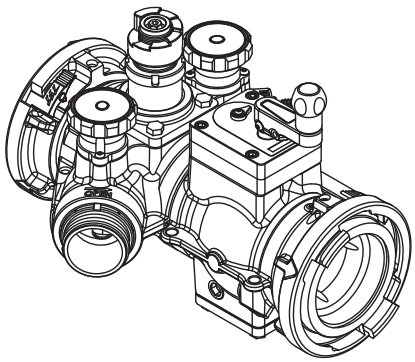
To change a 4", 5" or 6" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

LDH GATED WATER THIEF

TFT's LDH Gated Water Thief is a rugged 3.65" LDH valve with two valved discharge ports, each with a full 2.5" waterway. Maximum operating pressure is 300 psi. Valved seats are field replaceable. Slow close valves turn with low force even under pressure. Automatic valve lock keeps its position while flowing at partial openings. LDH valve meets NFPA slow close requirements. Aluminum casting is Hardcoat anodized and silver TFT powercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AL62T2T1

47.9 lbs (21.7 kg)
13.8"H x 15.0"W x 19.6"L
(35.0 x 38.1 x 49.8 cm)



To change a 4", 5" or 6" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

AL6

SIDE A		**SIDE** B			
TYPE	**SIZE**	**TYPE**	**SIZE**	**PRV OPTION**	**2.5" TYPE**
2) Storz 3) Female Rocker Lug Full Time Swivel 5) Female Long Handle Swivel	**P)** 4" R) 4.5" T) 5"	**2)** Storz 7) Male Rigid	**P)** 4" R) 4.5" T) 5" X) 6"	**0)** NO PRV 1) PRV	**M)** NHM F) NHF

IN-LINE VALVE MOBILE/LOOSE OR APPARATUS/FIXED

TFT's In-Line Valve is a multi-purpose valve designed for use with 3.5, 4, 4.5 or 5 inch (89, 100, 115, 125 or 150mm) hose. Maximum operating pressure is 300 psi (20 bar). Meets 900psi (62 bar) hydrostatic strength test. The aluminum casting are Hardcoat anodized, and powdercoat finished inside and out for maximum corrosion protection. The valve meets NPFA slow close requirements. Optional adjustable pressure relief valve meets NFPA 1901. Optional rugged ¾ inch (19mm) air bleed valve quickly bleeds air from the lines or drains water from the valve housing. Contact TFT customer service for configurations not shown.

Full time swiveling inlet design makes these models ideal for use on the ground for water supply operations when the valve may need to be rotated easily after tightening.

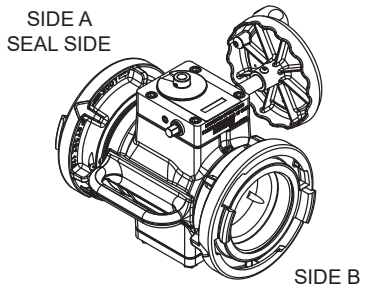
Side A Choices: 1, 2, 3, 5 or 7

Tightening inlet design makes these models ideal for use on apparatus or fixed systems when the valve needs to retain its position after tightening.

Side A Choices: 4 or 6

Dimensional Maximum
AN2P2P01

20.00 lbs (9.1kg)
9.20" (23.4cm) Height
8.60" (21.8cm) Width
10.10" (25.7cm) Depth



IN-LINE VALVE WITH STANDARD GEARBOX

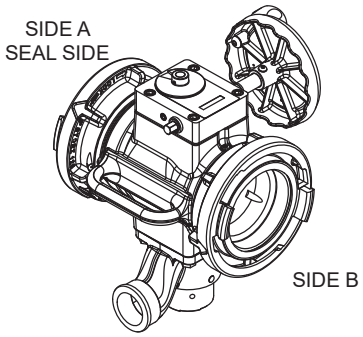
AN	SIDE A		SIDE B		01
	Side A Type **1)** Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 4) Female Rocker Lug Non-Full Time Swivel 5) F Long Handle Swivel 6) F Long Handle Non-Full Time Swivel 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	Side B Type **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	

F = Female

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

Dimensional Maximum
AN2T2T31

24.50 lbs (9.1kg)
15.60" (23.4cm) Height
8.60" (21.8cm) Width
10.10" (25.7cm) Depth



IN-LINE VALVE WITH STANDARD GEARBOX, PRV & DRAIN

AN	SIDE A		SIDE B		31
	Side A Type **1)** Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 4) Female Rocker Lug Non-Full Time Swivel 5) F Long Handle Swivel 6) F Long Handle Non-Full Time Swivel 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	Side B Type **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	

F = Female

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

Suction Screen information is located on page 218, under LDH service kits.

IN-LINE VALVE MOBILE/LOOSE OR APPARATUS/FIXED

TFT's In-Line Valve is a multi-purpose valve designed for use with 3.5, 4, 4.5 or 5 inch (89, 100, 115, 125 or 150mm) hose. Maximum operating pressure is 300 psi (20 bar). Meets 900psi (62 bar) hydrostatic strength test. The aluminum casting are Hardcoat anodized, and powdercoat finished inside and out for maximum corrosion protection. The valve meets NPFA slow close requirements. Optional adjustable pressure relief valve meets NFPA 1901. Optional rugged ¾ inch (19mm) air bleed valve quickly bleeds air from the lines or drains water from the valve housing. Contact TFT customer service for configurations not shown.

Full time swiveling inlet design makes these models ideal for use on the ground for water supply operations when the valve may need to be rotated easily after tightening.

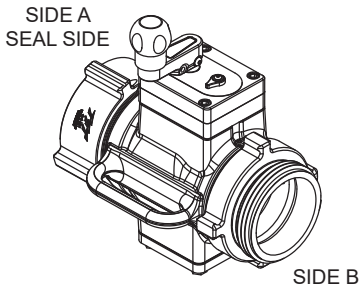
Side A Choices: 1, 2, 3, 5 or 7

Tightening inlet design makes these models ideal for use on apparatus or fixed systems when the valve needs to retain its position after tightening.

Side A Choices: 4 or 6

Dimensional Maximum
AN4P7P02

23.0 lbs (9.1kg)
13.80" (23.4cm) Height
8.60" (21.8cm) Width
10.10" (25.7cm) Depth



IN-LINE VALVE WITH PARALLEL SHAFT DRIVE GEARBOX

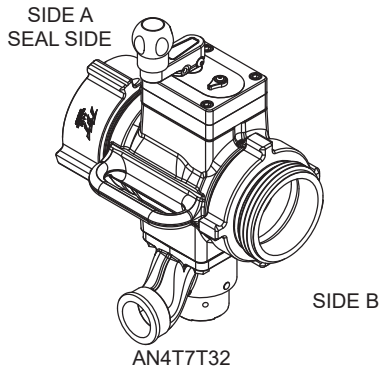
AN	SIDE A		SIDE B		02
	Side A Type **1)** Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 4) Female Rocker Lug Non-Full Time Swivel 5) F Long Handle Swivel 6) F Long Handle Non-Full Time Swivel 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	Side B Type **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	

F = Female

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

Dimensional Maximum
AN**32**

26.00 lbs (9.1kg)
17.60" (23.4cm) Height
8.60" (21.8cm) Width
10.10" (25.7cm) Depth



AN4T7T32

IN-LINE VALVE WITH PARALLEL SHAFT DRIVE GEARBOX, PRV & DRAIN

AN	SIDE A		SIDE B		32
	Side A Type **1)** Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 4) Female Rocker Lug Non-Full Time Swivel 5) F Long Handle Swivel 6) F Long Handle Non-Full Time Swivel 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	Side B Type **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) Male Rigid	Size **P)** 4" R) 4.5" T) 5"	

F = Female

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

Suction Screen information is located on page 218, under LDH service kits.

2 ½" (64mm) GATED WYE

TFT's 2 ½ Inch (64mm) Gated Wye is a lightweight wye with a full 2 ½ inch (64mm) waterway. 300 psi (20 bar) operating pressure from either side of valve. Field replaceable valve seats. Quarter turn folding valve handles for the ultimate in compactness. Low force to move valve even under pressure. Cast in carrying handle. Automatic valve lock keeps valve position while flowing at partial openings. Pipe threaded ports for pressure gauge and bleed valve. Holes for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Contact TFT customer service for configurations not shown.

Dimensions for AY5NJ-NJ
10.1 lbs (4.6 kg)
8.90" (23.0cm) Height
10.50" (27.0cm) Width
7.40" (19.0cm) Depth

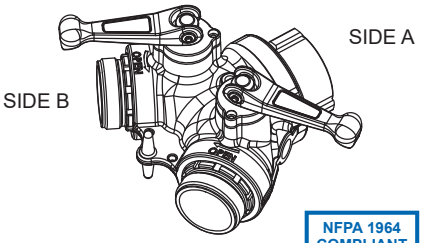
AY				-		

(Choose Side A/Side B suffix from table)
Example: A 2.5" Single Female Swivel Rocker Lug to a 2.5" Dual Male Rigid Outlet would be

AY	5	N	J	-	N	J

AY175-KIT - GAGE KIT is available for the AY Series Gated Wye. See page 218

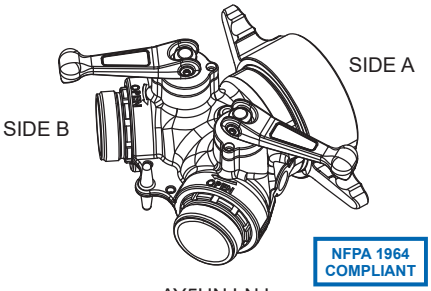
A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page 218



AY5NJ-NJ

NFPA 1964 COMPLIANT

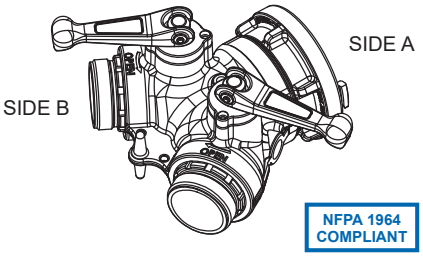
AY5		SIDE B - Dual Male Rigid NH
		2.5" Threaded
Side A Single Female Swivel Rocker Lug NH	2.5" Threaded Swivel	AY5NJ-NJ
	4.0" Threaded Swivel	AY5NP-NJ
	4.5" Threaded Swivel	AY5NR-NJ
	5.0" Threaded Swivel	AY5NT-NJ



AY5HNJ-NJ

NFPA 1964 COMPLIANT

AY5H		SIDE B - Dual Male Rigid NH
		2.5" Threaded
Side A Single Female Swivel Handle NH	2.5" Threaded Swivel	AY5HNJ-NJ
	4.0" Threaded Swivel	AY5HNP-NJ
	4.5" Threaded Swivel	AY5HNR-NJ
	5.0" Threaded Swivel	AY5HNT-NJ
	6.0" Threaded Swivel	AY5HNX-NJ



AY8SP-NJ

NFPA 1964 COMPLIANT

AY8		SIDE B - Dual Male Rigid NH
		2.5" Threaded
Side A Single	4.0" Storz	AY8SP-NJ
	5.0" Storz	AY8ST-NJ
	6.0" Storz	AY8SX-NJ

To change a 4" or 5" Storz from rigid to full time swivel, back out the lock-out screw until the coupling moves freely. See page 220 for diagram.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2 ½" (64mm) GATED SIAMESE

TFT's 2 ½ Inch (64mm) Gated Siamese is a lightweight wye with a full 2 ½ inch (64mm) waterway. 300 psi (20 bar) operating pressure from either side of valve. Field replaceable valve seats. Quarter turn folding valve handles for the ultimate in compactness. Low force to move valve even under pressure. Cast in carrying handle. Automatic valve lock keeps valve position while flowing at partial openings. Pipe threaded ports for pressure gage and bleed valve. Holes for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Contact TFT customer service for configurations not shown.

Dimensions for AY7NJ-NJ
10.1 lbs (4.6 kg)
8.90" (23.0 cm) Height
10.50" (27.0 cm) Width
7.40" (19.0 cm) Depth

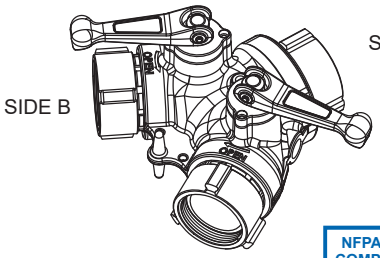
AY				-		

(Choose Side A/Side B suffix from table)
Example: A 2.5" Single Female Swivel Rocker Lug to a 2.5" Dual Female Swivel Outlests would be

AY	7	N	J	-	N	J

AY175-KIT - GAUGE KIT is available for the AY Series Siamese. See page 218

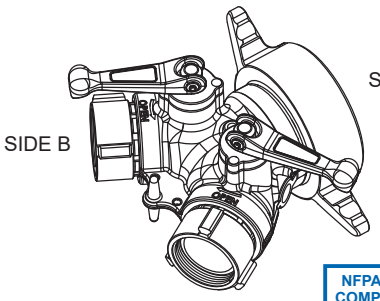
A1621-KIT - VENT DRAIN KIT is available for the AY Series Siamese. See page 218



AY7NJ-NJ

NFPA 1964 COMPLIANT

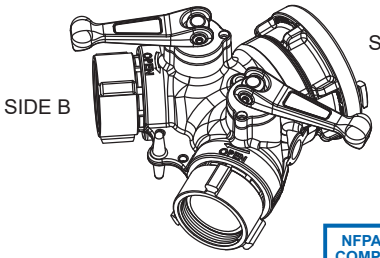
AY7		SIDE B - Dual Female Swivel Rocker Lug NH
		2.5" Threaded
Side A Single Female Swivel Rocker Lug NH	2.5" Threaded Swivel	**AY7NJ-NJ**
	4.0" Threaded Swivel	**AY7NP-NJ**
	4.5" Threaded Swivel	**AY7NR-NJ**
	5.0" Threaded Swivel	**AY7NT-NJ**



AY7NJ-NJ

NFPA 1964 COMPLIANT

AY7H		SIDE B - Dual Female Swivel Rocker Lug NH
		2.5" Threaded
Side A Single Female Swivel Handle NH	2.5" Threaded Swivel	**AY7HNJ-NJ**
	4.0" Threaded Swivel	**AY7HNP-NJ**
	4.5" Threaded Swivel	**AY7HNR-NJ**
	5.0" Threaded Swivel	**AY7HNT-NJ**
	6.0" Threaded Swivel	**AY7HNX-NJ**



AY9SP-NJ

NFPA 1964 COMPLIANT

AY9		SIDE B - Dual Female Swivel Rocker Lug NH
		2.5" Threaded
Side A Single	4.0" Storz	**AY9SP-NJ**
	5.0" Storz	**AY9ST-NJ**
	6.0" Storz	**AY9SX-NJ**

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2 ½" (64mm) GATED WYE - SLOW CLOSE

TFT's 2 ½ Inch (64mm) Gated Wye is a lightweight wye with a full 2 ½ inch (64mm) waterway. 300 psi (20 bar) operating pressure from either side of valve. Field replaceable valve seats. Multi-turn knob meets slow close requirements, prevents water hammer. Includes a visual valve position indicator. Cast in carrying handle. Pipe threaded ports for pressure gauge and bleed valve. Holes for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Contact TFT customer service for configurations not shown.

Dimensions for AY5NJ-NJ-SC
10.1 lbs (4.6 kg)
8.90" (23.0cm) Height
10.50" (27.0cm) Width
7.40" (19.0cm) Depth

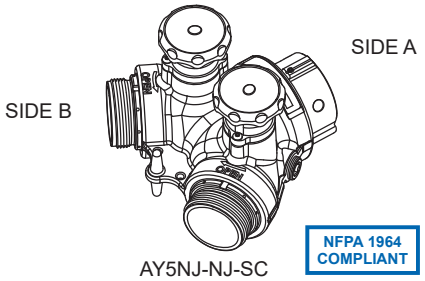
AY				-	NJ	-	SC

(Choose Side A/Side B suffix from table)
Example: A 2.5" (64mm) Single Female Swivel Rocker Lug to a 2.5" (64mm) Diual Male Rigid Outlet would be

AY	5	N	J	-	NJ	-	SC

AY175-KIT - GAUGE KIT is available for the AY Series Siamese. See page 218

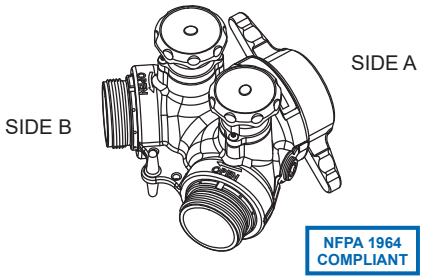
A1621-KIT - VENT DRAIN KIT is available for the AY Series Siamese. See page 218



AY5NJ-NJ-SC

NFPA 1964 COMPLIANT

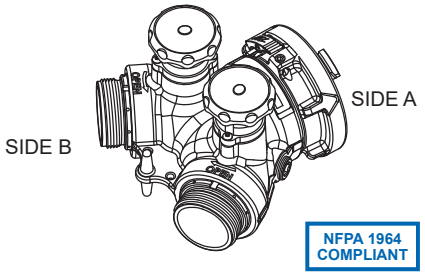
AY5		SIDE B - Dual Male Rigid NH
		2.5" Threaded
Side A Single Female Swivel Rocker Lug NH	2.5" Threaded Swivel	AY5NJ-NJ-SC
	4.0" Threaded Swivel	AY5NP-NJ-SC
	4.5" Threaded Swivel	AY5NR-NJ-SC
	5.0" Threaded Swivel	AY5NT-NJ-SC



AY5HNJ-NJ-SC

NFPA 1964 COMPLIANT

AY5H		SIDE B - Dual Male Rigid NH
		2.5" Threaded
Side A Single Female Swivel Handle NH	2.5" Threaded Swivel	AY5HNJ-NJ-SC
	4.0" Threaded Swivel	AY5HNP-NJ-SC
	4.5" Threaded Swivel	AY5HNR-NJ-SC
	5.0" Threaded Swivel	AY5HNT-NJ-SC
	6.0" Threaded Swivel	AY5HNX-NJ-SC



AY8SP-NJ-SC

NFPA 1964 COMPLIANT

AY8		SIDE B - Dual Male Rigid NH
		2.5" Threaded
Side A Single	4.0" Storz	AY8SP-NJ-SC
	5.0" Storz	AY8ST-NJ-SC
	6.0" Storz	AY8SX-NJ-SC

To change a 4" or 5" Storz from rigid to full time swivel, back out the lock-out screw until the coupling moves freely. See page 220 for diagram.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

2 ½" (64mm) GATED SIAMESE - SLOW CLOSE

TFT's 2 ½ Inch (64mm) Gated Siamese is a lightweight wye with a full 2 ½ inch (64mm) waterway. 300 psi (20 bar) operating pressure from either side of valve. Field replaceable valve seats. Multi-turn knob meets slow close requirements, prevents water hammer. Includes a visual valve position indicator. Cast in carrying handle. Pipe threaded ports for pressure gauge and bleed valve. Holes for cap tether attachment. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Contact TFT customer service for configurations not shown.

Dimensions for AY7NJ-NJ-SC
10.1 lbs (4.6 kg)
8.90" (23.0 cm) Height
10.50" (27.0 cm) Width
7.40" (19.0 cm) Depth

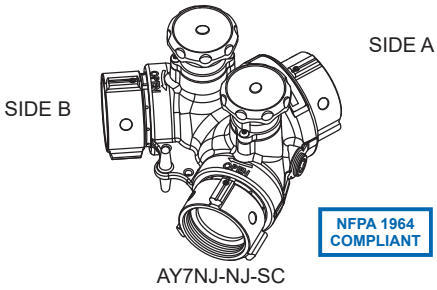
AY				-	NJ	-	SC

(Choose Side A/Side B suffix from table)
Example: A 2.5" (64mm) Single Female Swivel Rocker Lug to a 2.5" (64mm) Dual Female Swivel Outlet would be

AY	7	N	J	-	NJ	-	SC

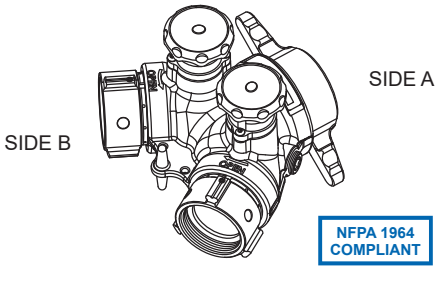
AY175-KIT - GAUGE KIT is available for the AY Series Siamese. See page 218

A1621-KIT - VENT DRAIN KIT is available for the AY Series Siamese. See page 218



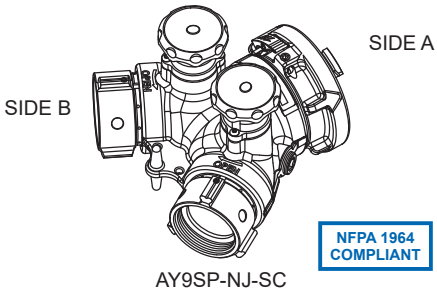
AY7NJ-NJ-SC

AY7		SIDE B - Dual Female Swivel Rocker Lug NH
		2.5" Threaded
Side A Single Female Swivel Rocker Lug NH	2.5" Threaded Swivel	AY7NJ-NJ-SC
	4.0" Threaded Swivel	AY7NP-NJ-SC
	4.5" Threaded Swivel	AY7NR-NJ-SC
	5.0" Threaded Swivel	AY7NT-NJ-SC



AY7NJ-NJ-SC

AY7H		SIDE B - Dual Female Swivel Rocker Lug NH
		2.5" Threaded
Side A Single Female Swivel Handle NH	2.5" Threaded Swivel	AY7HNJ-NJ-SC
	4.0" Threaded Swivel	AY7HNP-NJ-SC
	4.5" Threaded Swivel	AY7HNR-NJ-SC
	5.0" Threaded Swivel	AY7HNT-NJ-SC
	6.0" Threaded Swivel	AY7HNX-NJ-SC



AY9SP-NJ-SC

AY9		SIDE B - Dual Female Swivel Rocker Lug NH
		2.5" Threaded
Side A Single	4.0" Storz	AY9SP-NJ-SC
	5.0" Storz	AY9ST-NJ-SC
	6.0" Storz	AY9SX-NJ-SC

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

JUMBO SIAMESE

AS Series - JUMBO SIAMESE - Designed for 2.5, 3, 3.5, 4, 4.5, 5, or 6 inch (65, 75, 90, 100, 115, 125, or 150mm) hose. Siamese appliances feature dual clapper valves to allow one or both inlets to be disconnected without draining the water in the third hose line connection. TFT's Siamese are more efficient for LDH flow systems. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized and TFT-powder coat finish inside and out for maximum corrosion protection. Rugged carrying handle included. Three strategically placed legs allow the appliance to sit off the ground even with 6" Storz on inlet/outlet. Large main housing provides superior strength and durability. Hose couplings are attached using polymer bearing rings, which provide electrical isolation to help prevent galvanic corrosion. Contact TFT customer service for configurations not shown.

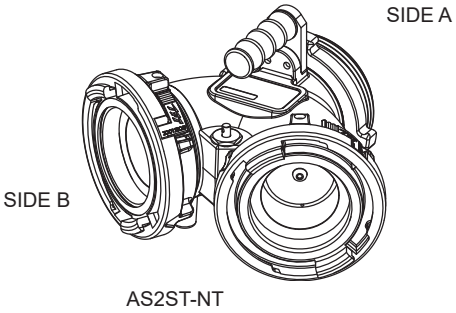
Dimensional Maximum
AS7NT-NT
21.9 lbs (9.9kg)
11.50" (29.1cm) Length
15.20" (38.6cm) Width
10.10" (25.6cm) Height

AS				-		

(Choose Side A/Side B suffix from table)
Example: A 4" Storz Swivel Dual inlet to a 5" National Hose thread Male Rigid Outlet would be

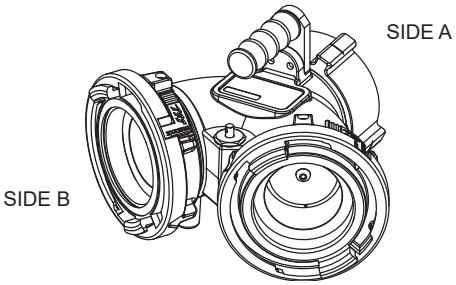
AS	2	S	P	-	N	T

AS2		SIDE A - Single Male Rigid NH			
		4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
SIDE B - Dual	4.0" Storz	**AS2SP-NP**	**AS2SP-NR**	**AS2SP-NT**	**AS2SP-NX**
	5.0" Storz	**AS2ST-NP**	**AS2ST-NR**	**AS2ST-NT**	**AS2ST-NX**
	6.0" Storz Swivel	**AS2SX-NP**	**AS2SX-NR**	**AS2SX-NT**	**AS2SX-NX**



AS2ST-NT

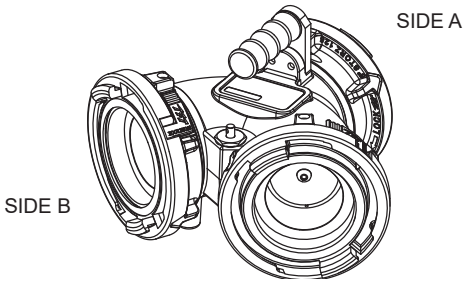
AS3		SIDE A - Single Female Swivel Rocker NH			
		4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0"* Threaded Swivel
SIDE B - Dual Swivel	4.0" Storz	**AS3SP-NP**	**AS3SP-NR**	**AS3SP-NT**	**AS3SP-NX**
	5.0" Storz	**AS3ST-NP**	**AS3ST-NR**	**AS3ST-NT**	**AS3ST-NX**
	6.0" Storz Swivel	**AS3SX-NP**	**AS3SX-NR**	**AS3SX-NT**	**AS3SX-NX**



AS3ST-NT

* Long handle only. All others rocker lug.

AS4		SIDE A - Single Swivel		
		4.0" Storz	5.0" Storz	6.0" Storz Swivel
SIDE B - Dual Swivel	4.0" Storz	**AS4SP-SP**	**AS4SP-ST**	**AS4SP-SX**
	5.0" Storz	**AS4ST-SP**	**AS4ST-ST**	**AS4ST-SX**
	6.0" Storz Swivel	**AS4SX-SP**	**AS4SX-ST**	**AS4SX-SX**

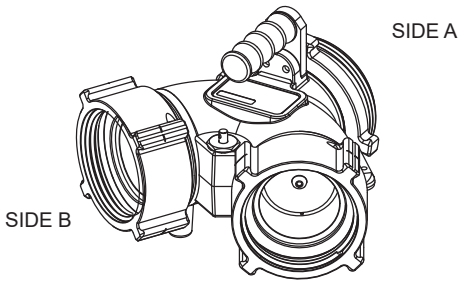


AS4ST-ST

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

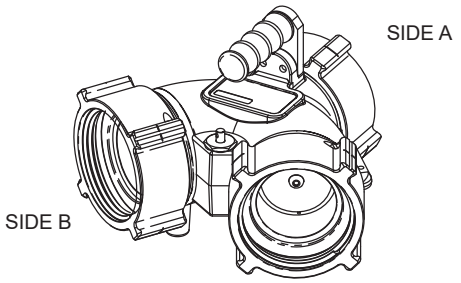
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

AS5		SIDE A - Single Male Rigid NH			
		4.0" Threaded Male Rigid	4.5" Threaded Male Rigid	5.0" Threaded Male Rigid	6.0" Threaded Male Rigid
SIDE B - Dual Female Swivel Rocker NH	3.0" Threaded Swivel	**AS5NL-NP**	**AS5NL-NR**	**AS5NL-NT**	**AS5NL-NX**
	3.5" Threaded Swivel	**AS5NN-NP**	**AS5NN-NR**	**AS5NN-NT**	**AS5NN-NX**
	4.0" Threaded Swivel	**AS5NP-NP**	**AS5NP-NR**	**AS5NP-NT**	**AS5NP-NX**
	4.5" Threaded Swivel	**AS5NR-NP**	**AS5NR-NR**	**AS5NR-NT**	**AS5NR-NX**
	5.0" Threaded Swivel	**AS5NT-NP**	**AS5NT-NR**	**AS5NT-NT**	**AS5NT-NX**



AS5NT-NT

AS7		SIDE A - Single Female Swivel Rocker NH			
		4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0" * Threaded Swivel
SIDE B - Dual Female Swivel Rocker NH	3.0" Threaded Swivel	**AS7NL-NP**	**AS7NL-NR**	**AS7NL-NT**	**AS7NL-NX**
	3.5" Threaded Swivel	**AS7NN-NP**	**AS7NN-NR**	**AS7NN-NT**	**AS7NN-NX**
	4.0" Threaded Swivel	**AS7NP-NP**	**AS7NP-NR**	**AS7NP-NT**	**AS7NP-NX**
	4.5" Threaded Swivel	**AS7NR-NP**	**AS7NR-NR**	**AS7NR-NT**	**AS7NR-NX**
	5.0" Threaded Swivel	**AS7NT-NP**	**AS7NT-NR**	**AS7NT-NT**	**AS7NT-NX**

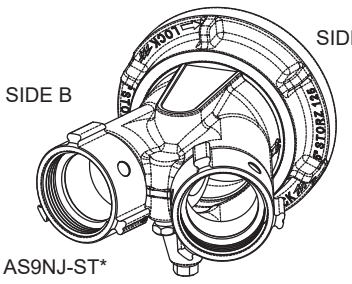


AS7NT-NT

* Long handle only. All others rocker lug.

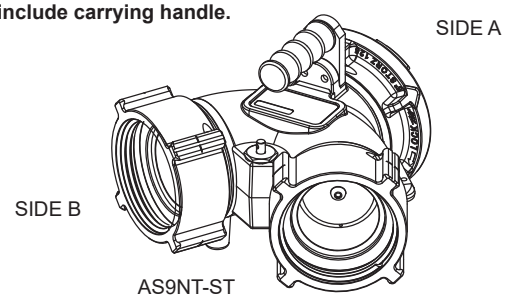
AS9		SIDE A - Single Storz Swivel		
		4.0" Storz	5.0" Storz	6.0" Storz Swivel
SIDE B - Dual Female Swivel Rocker NH	2.5" Threaded Swivel	**AS9NJ-SP***	**AS9NJ-ST***	**AS9NJ-SX**
	3.0" Threaded Swivel	**AS9NL-SP**	**AS9NL-ST**	**AS9NL-SX**
	3.5" Threaded Swivel	**AS9NN-SP**	**AS9NN-ST**	**AS9NN-SX**
	4.0" Threaded Swivel	**AS9NP-SP**	**AS9NP-ST**	**AS9NP-SX**
	4.5" Threaded Swivel	**AS9NR-SP**	**AS9NR-ST**	**AS9NR-SX**
	5.0" Threaded Swivel	**AS9NT-SP**	**AS9NT-ST**	**AS9NT-SX**

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.



AS9NJ-ST*

***Single clapper only. Does not include carrying handle.**



AS9NT-ST

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

JUMBO WYE

AW Series - JUMBO WYE - The same construction as the JUMBO SIAMESE, but without the clapper. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized and TFT-powder coat finish inside and out for maximum corrosion protection. Rugged carrying handle included. Three strategically placed legs allow the appliance to sit off the ground even with 6" Storz on inlet/outlet. Large main housing provides superior strength and durability. Hose couplings are attached using polymer bearing rings, which provide electrical isolation to help prevent galvanic corrosion. Contact TFT customer service for configurations not shown.

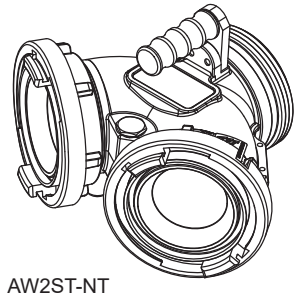
Dimensional Maximums
AW7NT-NT
16.6 lbs (7.5kg)
11.50" (29.1cm) Length
15.20" (38.6cm) Width
10.10" (25.6cm) Height

AW				-		

(Choose Side A/Side B suffix from table)
Example: A 4" Storz Swivel Dual inlet to a 5" National Hose thread Male Rigid Outlet would be

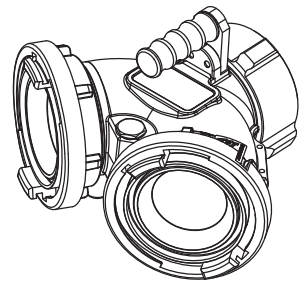
AW	2	S	P	-	N	T

AW2		SIDE A - Single Male Rigid NH			
		4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
SIDE B - Dual Swivel	4.0" Storz	**AW2SP-NP**	**AW2SP-NR**	**AW2SP-NT**	**AW2SP-NX**
	5.0" Storz	**AW2ST-NP**	**AW2ST-NR**	**AW2ST-NT**	**AW2ST-NX**
	6.0" Storz Swivel	**AW2SX-NP**	**AW2SX-NR**	**AW2SX-NT**	**AW2SX-NX**



AW2ST-NT

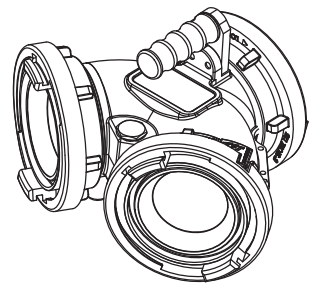
AW3		SIDE A - Single Female Swivel Rocker NH			
		4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0"* Threaded Swivel
SIDE B - Dual Swivel	4.0" Storz	**AW3SP-NP**	**AW3SP-NR**	**AW3SP-NT**	**AW3SP-NX**
	5.0" Storz	**AW3ST-NP**	**AW3ST-NR**	**AW3ST-NT**	**AW3ST-NX**
	6.0" Storz Swivel	**AW3SX-NP**	**AW3SX-NR**	**AW3SX-NT**	**AW3SX-NX**



AW3ST-NT

* Long handle only. All others rocker lug.

AW4		SIDE A - Single Swivel		
		4.0" Storz	5.0" Storz	6.0" Storz Swivel
SIDE B - Dual Swivel	4.0" Storz	**AW4SP-SP**	**AW4SP-ST**	**AW4SP-SX**
	5.0" Storz	**AW4ST-SP**	**AW4ST-ST**	**AW4ST-SX**
	6.0" Storz Swivel	**AW4SX-SP**	**AW4SX-ST**	**AW4SX-SX**

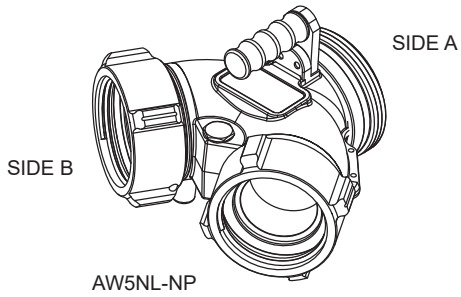


AW4ST-ST

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

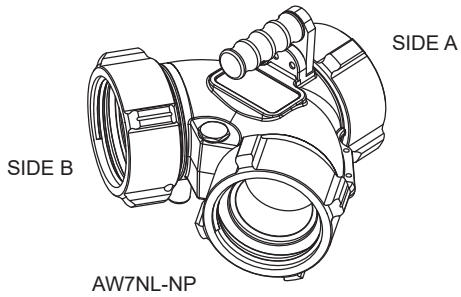
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

AW5		SIDE A - Single Male Rigid NH			
		4.0" Threaded Male Rigid	4.5" Threaded Male Rigid	5.0" Threaded Male Rigid	6.0" Threaded Male Rigid
SIDE B - Dual Female Swivel Rocker NH	3.0" Threaded Swivel	AW5NL-NP	AW5NL-NR	AW5NL-NT	AW5NL-NX
	3.5" Threaded Swivel	AW5NN-NP	AW5NN-NR	AW5NN-NT	AW5NN-NX
	4.0" Threaded Swivel	AW5NP-NP	AW5NP-NR	AW5NP-NT	AW5NP-NX
	4.5" Threaded Swivel	AW5NR-NP	AW5NR-NR	AW5NR-NT	AW5NR-NX
	5.0" Threaded Swivel	AW5NT-NP	AW5NT-NR	AW5NT-NT	AW5NT-NX



AW5NL-NP

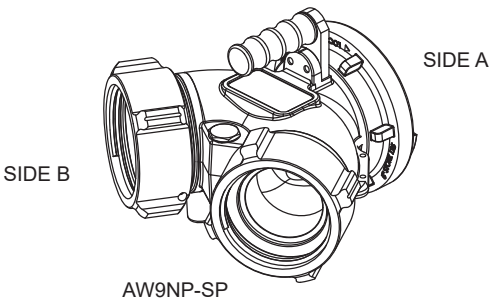
AW7		SIDE A - Single Female Swivel Rocker NH			
		4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0"* Threaded Swivel
SIDE B - Dual Female Swivel Rocker NH	3.0" Threaded Swivel	AW7NL-NP	AW7NL-NR	AW7NL-NT	AW7NL-NX
	3.5" Threaded Swivel	AW7NN-NP	AW7NN-NR	AW7NN-NT	AW7NN-NX
	4.0" Threaded Swivel	AW7NP-NP	AW7NP-NR	AW7NP-NT	AW7NP-NX
	4.5" Threaded Swivel	AW7NR-NP	AW7NR-NR	AW7NR-NT	AW7NR-NX
	5.0" Threaded Swivel	AW7NT-NP	AW7NT-NR	AW7NT-NT	AW7NT-NX



AW7NL-NP

* Long handle only. All others rocker lug.

AW9		SIDE A - Single Storz Swivel		
		4.0" Storz	5.0" Storz	6.0" Storz Swivel
SIDE B - Dual Female Swivel Rocker NH	3.0" Threaded Swivel	AW9NL-SP	AW9NL-ST	AW9NL-SX
	3.5" Threaded Swivel	AW9NN-SP	AW9NN-ST	AW9NN-SX
	4.0" Threaded Swivel	AW9NP-SP	AW9NP-ST	AW9NP-SX
	4.5" Threaded Swivel	AW9NR-SP	AW9NR-ST	AW9NR-SX
	5.0" Threaded Swivel	AW9NT-SP	AW9NT-ST	AW9NT-SX



AW9NP-SP

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

ADAPTERS

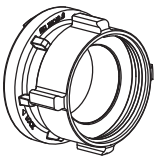
AA Series - ADAPTERS - Designed for pressure or vacuum service on hydrant, pumper, or ground. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum parts are hardcoat anodized for maximum corrosion protection. Hose couplings are attached using polymer bearing rings, which provide electrical isolation to help prevent galvanic corrosion. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AA7HNX-NX
7.3 lbs (3.3kg)
4.9" (12.6cm) Length
11.8" (29.8cm) Width

AA				-		

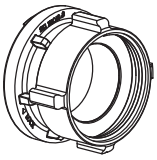
(Choose Side A/Side B suffix from table)
Example: A 4" Storz Swivel Dual inlet to a 5" National Hose thread Male Rigid Outlet would be

AA	2	S	T	-	N	P



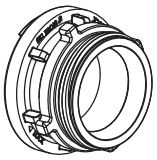
SIDE A

		SIDE A - Female Rigid Rocker NH					
		2.5" Threaded Rigid	3.0" Threaded Rigid	3.5" Threaded Rigid	4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid
SIDE B - Storz	4.0" Storz	**AA1SP-NJ**	**AA1SP-NL**	**AA1SP-NN**	**AA1SP-NP**	**AA1SP-NR**	**AA1SP-NT**
	5.0" Storz	**AA1ST-NJ**	**AA1ST-NL**	**AA1ST-NN**	**AA1ST-NP**	**AA1ST-NR**	**AA1ST-NT**
	6.0" Storz	**AA1SX-NJ**	**AA1SX-NL**	**AA1SX-NN**	**AA1SX-NP**	**AA1SX-NR**	**AA1SX-NT**



SIDE A

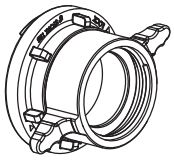
		SIDE A - Female Swivel Rocker NH					
		2.5" Threaded Swivel	3.0" Threaded Swivel	3.5" Threaded Swivel	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel
SIDE B	6.0" Storz Swivel	**AA3SX-NJ**	**AA3SX-NL**	**AA3SX-NN**	**AA3SX-NP**	**AA3SX-NR**	**AA3SX-NT**



SIDE A

		SIDE A - Male Rigid NH						
		2.5" Threaded Rigid	3.0" Threaded Rigid	3.5" Threaded Rigid	4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
SIDE B - Storz Rigid	4.0" Storz Rigid	**AA2SP-NJ**	**AA2SP-NL**	**AA2SP-NN**	**AA2SP-NP**	**AA2SP-NR**	**AA2SP-NT**	**AA2SP-NX**
	5.0" Storz Rigid	**AA2ST-NJ**	**AA2ST-NL**	**AA2ST-NN**	**AA2ST-NP**	**AA2ST-NR**	**AA2ST-NT**	**AA2ST-NX**
	6.0" Storz Rigid	**AA2SX-NJ**	**AA2SX-NL**	**AA2SX-NN**	**AA2SX-NP**	**AA2SX-NR**	**AA2SX-NT**	**AA2SX-NX**

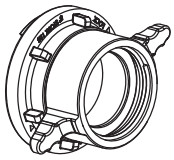
**National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.**



SIDE A

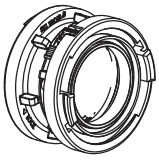
SIDE B - Storz Rigid	SIDE A - Female Rigid Handle NH			
	4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0*" Threaded Rigid
4.0" Storz	AA1HSP-NP	AA1HSP-NR	AA1HSP-NT	AA1HSP-NX
5.0" Storz	AA1HST-NP	AA1HST-NR	AA1HST-NT	AA1HST-NX
6.0" Storz Rigid	AA1HSX-NP	AA1HSX-NR	AA1HSX-NT	AA1HSX-NX

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely.



SIDE A

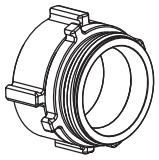
SIDE B	SIDE A - Female Swivel Handle NH			
	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0" Threaded Swivel
6.0" Storz Swivel	AA3HSX-NP	AA3HSX-NR	AA3HSX-NT	AA3HSX-NX



SIDE A

SIDE B - Storz Rigid	SIDE A - Storz Rigid		
	4.0" Storz Rigid	5.0" Storz Rigid	6.0" Storz Rigid
4.0" Storz Rigid	AA4SP-SP		
5.0" Storz Rigid	AA4ST-SP	AA4ST-ST	
6.0" Storz Rigid	AA4SX-SP	AA4SX-ST	AA4SX-SX

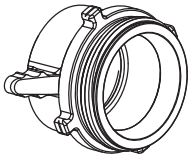
To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.



SIDE A

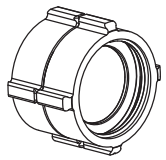
SIDE B - Female Rigid Rocker NH	SIDE A - Male Rigid				
	2.5" Threaded Rigid	4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
4.0" Threaded Rigid	AA5NP-NJ	AA5NP-NP	AA5NP-NR	AA5NP-NT	AA5NP-NX
4.5" Threaded Rigid		AA5NR-NP	AA5NR-NR	AA5NR-NT	AA5NR-NX
5.0" Threaded Rigid		AA5NT-NP	AA5NT-NR	AA5NT-NT	AA5NT-NX

ADAPTERS



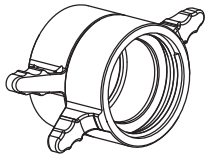
SIDE A

SIDE B - Female Rigid Handle NH	SIDE A - Male Rigid NH			
	4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
4.0" Threaded Rigid	AA5HNP-NP	AA5HNP-NR	AA5HNP-NT	AA5HNP-NX
4.5" Threaded Rigid	AA5HNR-NP	AA5HNR-NR	AA5HNR-NT	AA5HNR-NX
5.0" Threaded Rigid	AA5HNT-NP	AA5HNT-NR	AA5HNT-NT	AA5HNT-NX
6.0" Threaded Rigid	AA5HNX-NP	AA5HNX-NR	AA5HNX-NT	AA5HNX-NX



SIDE A

SIDE B - Female Swivel Rocker NH	SIDE A - Female Swivel Rocker NH		
	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel
4.0" Threaded Swivel	AA7NP-NP		
4.5" Threaded Swivel	AA7NR-NP	AA7NR-NR	
5.0" Threaded Swivel	AA7NT-NP	AA7NT-NR	AA7NT-NT



SIDE A

SIDE B - Female Swivel Handle NH	SIDE A - Female Swivel Handle NH			
	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0" Threaded Swivel
4.0" Threaded Swivel	AA7HNP-NP			
4.5" Threaded Swivel	AA7HNR-NP	AA7HNR-NR		
5.0" Threaded Swivel	AA7HNT-NP	AA7HNT-NR	AA7HNT-NT	
6.0" Threaded Swivel	AA7HNX-NP	AA7HNX-NR	AA7HNX-NT	AA7HNX-NX

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

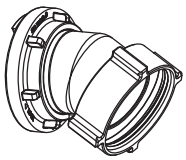
AH Series - ELBOWS - Made of all lightweight material. Elbows are cast to a 30-degree down angle to relieve weight of the hose when connected. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi (62 bar) hydrostatic strength test. All elbows are hardcoat anodized and powder coated for maximum corrosion protection. Hose couplings are attached using polymer bearing rings, which provide electrical isolation to help prevent galvanic corrosion. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AH7HNT-NT
9.4 lbs (4.3kg)
9.2" (23.4cm) Length
11.1" (28.3cm) Width
9.1" (23.1cm) Depth

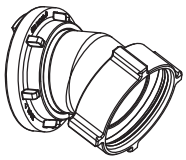
AH				-		

(Choose Side A/Side B suffix from table)
Example: A 4" Storz Swivel Dual inlet to a 5" National Hose thread Male Rigid Outlet would be

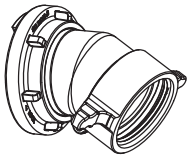
AH	3	S	T	-	N	P


SIDE A

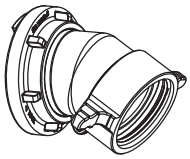
SIDE B - Storz	SIDE A - Female Swivel Rocker NH					
	2.5" Threaded Swivel	3.0" Threaded Swivel	3.5" Threaded Swivel	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel
4.0" Storz	**AH3SP-NJ**	**AH3SP-NL**	**AH3SP-NN**	**AH3SP-NP**	**AH3SP-NR**	**AH3SP-NT**
5.0" Storz	**AH3ST-NJ**	**AH3ST-NL**	**AH3ST-NN**	**AH3ST-NP**	**AH3ST-NR**	**AH3ST-NT**
6.0" Storz Rigid	**AH3SX-NJ**	**AH3SX-NL**	**AH3SX-NN**	**AH3SX-NP**	**AH3SX-NR**	**AH3SX-NT**


SIDE A

SIDE B	SIDE A - Female Swivel Rocker NH					
	2.5" Threaded Swivel	3.0" Threaded Swivel	3.5" Threaded Swivel	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel
6.0" Storz Swivel	**AH1SX-NJ**	**AH1SX-NL**	**AH1SX-NN**	**AH1SX-NP**	**AH1SX-NR**	**AH1SX-NT**


SIDE A

SIDE B - Storz	SIDE A - Female Swivel Handle NH			
	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0" Threaded Swivel
4.0" Storz	**AH3HSP-NP**	**AH3HSP-NR**	**AH3HSP-NT**	**AH3HSP-NX**
5.0" Storz	**AH3HST-NP**	**AH3HST-NR**	**AH3HST-NT**	**AH3HST-NX**
6.0" Storz Rigid	**AH3HSX-NP**	**AH3HSX-NR**	**AH3HSX-NT**	**AH3HSX-NX**

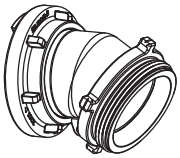

SIDE A

SIDE B	SIDE A - Female Swivel Handle NH			
	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0" Threaded Swivel
6.0" Storz Swivel	**AH1HSX-NP**	**AH1HSX-NR**	**AH1HSX-NT**	**AH1HSX-NX**

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

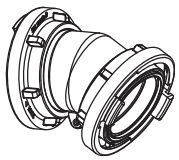
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

ELBOWS



SIDE A

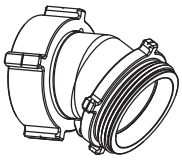
SIDE B - Storz Rigid	SIDE A - Male Rigid NH						
	2.5" Threaded Rigid	3.0" Threaded Rigid	3.5" Threaded Rigid	4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
4.0" Storz Rigid	AH2SP-NJ	AH2SP-NL	AH2SP-NN	AH2SP-NP	AH2SP-NR	AH2SP-NT	AH2SP-NX
5.0" Storz Rigid	AH2ST-NJ	AH2ST-NL	AH2ST-NN	AH2ST-NP	AH2ST-NR	AH2ST-NT	AH2ST-NX
6.0" Storz Rigid	AH2SX-NJ	AH2SX-NL	AH2SX-NN	AH2SX-NP	AH2SX-NR	AH2SX-NT	AH2SX-NX



SIDE A

SIDE B - Storz Rigid	SIDE A - Storz Swivel		
	4.0" Storz Swivel	5.0" Storz Swivel	6.0" Storz Swivel
4.0" Storz Rigid	AH4SP-SP		
5.0" Storz Rigid	AH4ST-SP	AH4ST-ST	AH4ST-SX
6.0" Storz Rigid	AH4SX-SP	AH4SX-ST	AH4SX-SX

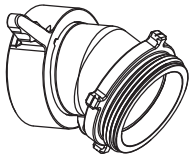
To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely.
See page 220 for diagram.



SIDE A

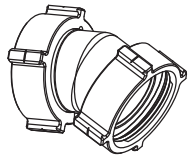
SIDE B - Female Swivel Rocker NH	SIDE A - Male Rigid			
	4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
4.0" Threaded Swivel	AH5NP-NP	AH5NP-NR	AH5NP-NT	AH5NP-NX
4.5" Threaded Swivel	AH5NR-NP	AH5NR-NR	AH5NR-NT	AH5NR-NX
5.0" Threaded Swivel	AH5NT-NP	AH5NT-NR	AH5NT-NT	AH5NT-NX

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.



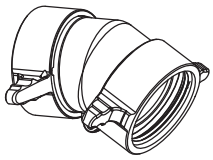
SIDE A

SIDE B - Female Swivel Handle NH	SIDE A - Male Rigid NH			
	4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
4.0" Threaded Swivel	AH5HNP-NP	AH5HNP-NR	AH5HNP-NT	AH5HNP-NX
4.5" Threaded Swivel	AH5HNR-NP	AH5HNR-NR	AH5HNR-NT	AH5HNR-NX
5.0" Threaded Swivel	AH5HNT-NP	AH5HNT-NR	AH5HNT-NT	AH5HNT-NX
6.0" Threaded Swivel	AH5HNX-NP	AH5HNX-NR	AH5HNX-NT	AH5HNX-NX



SIDE A

SIDE B - Female Swivel Rocker NH	SIDE A - Female Swivel Rocker NH		
	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel
4.0" Threaded Swivel	AH7NP-NP		
4.5" Threaded Swivel	AH7NR-NP	AH7NR-NR	
5.0" Threaded Swivel	AH7NT-NP	AH7NT-NR	AH7NT-NT



SIDE A

SIDE B - Female Swivel Handle NH	SIDE A - Female Swivel Handle NH			
	4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0" Threaded Swivel
4.0" Threaded Swivel	AH7HNP-NP			
4.5" Threaded Swivel	AH7HNR-NP	AH7HNR-NR		
5.0" Threaded Swivel	AH7HNT-NP	AH7HNT-NR	AH7HNT-NT	
6.0" Threaded Swivel	AH7HNX-NP	AH7HNX-NR	AH7HNX-NT	AH7HNX-NX

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

DETENT ELBOWS

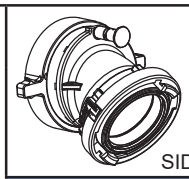
AJ Series - DETENT ELBOWS - Made of all lightweight material. Elbows are cast to a 30-degree down angle to relieve weight of the hose when connected and swivel with multiple detents. Ideal elbow for pumps with built-in intake valves. Maximum operating pressure is 300 psi (20 bar). Meets 900 psi (62 bar) hydrostatic strength test. All elbows are hardcoat anodized and powder coated for maximum corrosion protection. Hose couplings are attached using polymer bearing rings, which provide electrical isolation to help prevent galvanic corrosion. Contact TFT customer service for configurations not shown.

Dimensional Maximum
AJ7HNT-NT
12.5 lbs (5.7kg)
10" (25.4cm) Height
11.1" (28.3cm) Width
10" (25.4cm) Depth

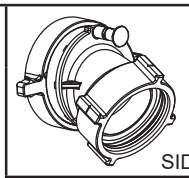
AJ				-		

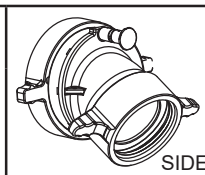
(Choose Side A/Side B suffix from table)
Example: A 5" Threaded Swivel to a 4" Storz Rigid would be

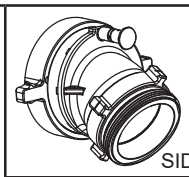
AJ	1	S	P	-	N	T

SIDE A - Female Swivel NH	 SIDE B	SIDE B - Storz		
		4.0" Storz	5.0" Storz	6.0" Storz Rigid
5.0" Threaded Swivel		**AJ1SP-NT**	**AJ1ST-NT**	**AJ1SX-NT**
6.0" Threaded Swivel		**AJ1SP-NX**	**AJ1ST-NX**	**AJ1SX-NX**

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 204 for diagram.

SIDE A - Female Swivel NH	 SIDE B	SIDE B - Female Swivel Rocker NH			
		4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0" Threaded Swivel
5.0" Threaded Swivel		**AJ7NP-NT**	**AJ7NR-NT**	**AJ7NT-NT**	**AJ7NX-NT**
6.0" Threaded Swivel		**AJ7NP-NX**	**AJ7NR-NX**	**AJ7NT-NX**	**AJ7NX-NX**

SIDE A - Female Swivel NH	 SIDE B	SIDE B - Female Swivel Handle NH			
		4.0" Threaded Swivel	4.5" Threaded Swivel	5.0" Threaded Swivel	6.0" Threaded Swivel
5.0" Threaded Swivel		**AJ7HNP-NT**	**AJ7HNR-NT**	**AJ7HNT-NT**	**AJ7HNX-NT**
6.0" Threaded Swivel		**AJ7HNP-NX**	**AJ7HNR-NX**	**AJ7HNT-NX**	**AJ7HNX-NX**

SIDE A - Female Swivel NH	 SIDE B	SIDE B - Male Rigid			
		4.0" Threaded Rigid	4.5" Threaded Rigid	5.0" Threaded Rigid	6.0" Threaded Rigid
5.0" Threaded Swivel		**AJ8NP-NT**	**AJ8NR-NT**	**AJ8NT-NT**	**AJ8NX-NT**
6.0" Threaded Swivel		**AJ8NP-NX**	**AJ8NR-NX**	**AJ8NT-NX**	**AJ8NX-NX**

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

ADAPTERS AND BLIND CAP SERIES

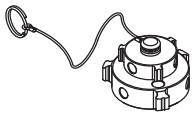
A0 Series - BLIND CAPS - The A0 series of blind caps are made of lightweight heat treated aluminum. They include an 18" (46cm) lanyard with ¼" (6mm) eye for easy attachment. Per NFPA 1963, Storz caps come with a suction gasket and no locking lever.

A01NF



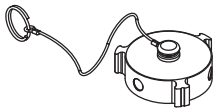
1.5" Cap
0.30 lb (0.20 kg)
1.40" (3.7 cm) Height
3.2" (8.2 cm) OD

A01NJ-NF



1.5"Cap w/ 2.5" Adapter
0.60 lb (0.50 kg)
2.80" (7.0 cm) Height
4.6" (11.6 cm) OD

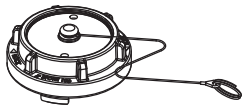
A01NJ



2.5" Cap
0.5 lb (0.2kg)
2.10" (5.3cm)
3.0" (7.6cm) OD

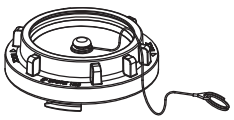
Threaded caps and adapters are supplied with four (4) color sets of Scotchlite dots for line identification.

A01SP



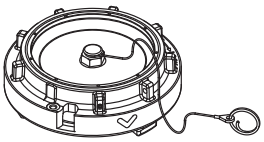
4" Cap
2.70 lb (1.20kg)
2.70" (1.2cm) Height
6.1" (15.5cm) OD

A01ST



5" Cap
4.20 lb (1.90kg)
2.70" (6.9cm) Height
7.7" (19.6cm) OD

A01SX



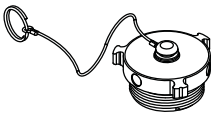
6" Cap
5.80 lb (2.60kg)
3.00" (7.6cm) Height
8.5" (21.6cm) OD

A05NF



1.5" Blind Plug
0.70 lb (0.30 kg)
1.90" (4.8 cm) Height
3.0" (7.6 cm) OD

A05NJ



2.5" Blind Plug
1.6 lb (0.70 kg)
2.30" (5.8 cm)
4.50" (11.4 cm) OD

AA6NF-NF



1.5"NHM X 1.5"NHM
0.3 lb (0.2kg)
1.90" (4.8cm) Height
3.00" (7.6cm) OD

AA6NJ-NJ



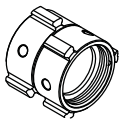
2.5 NHM X 2.5 NHM
0.8 lb (0.4kg)
2.80" (7.1cm)
4.29" (10.9cm) OD

AA7NF-NF



1.5 NHF X 1.5 NHF
0.5 lb (0.2kg)
2.10" (5.3cm)
3.0" (7.6cm) OD

AA7NJ-NJ



2.5 NHF X 2.5 NHF
1.5 lb (0.7kg)
3.45" (8.8cm)
4.29" (10.9cm) OD

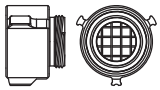
AA5NJ-NF



2.5 NHF X 1.5 NHM
0.5 lb (0.2kg)
1.75" (4.4cm)
4.29" (10.9cm) OD

H-GG

0.8 lb (0.3kg)
2.20" (5.6cm)



H-GG IN LINE GASKET GRABBER - 1.5" NH X 1.5" NH - Hardcoat anodized aluminum body with stainless steel "Gasket Grabber". Providing debris protection for any item with a 1.5" NH inlet.

H-SS

0.6 lb - 1.87"
(0.3kg - 4.8cm)



H-SS 1.5" STREAM STRAIGHTENER - 1.5" NH F X 1.5" NH M (38mm x 38mm) - Straighten streams to provide greater reach with less turbulence.

B-A

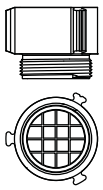
0.8 lb - 3.37"
(0.4kg - 8.6cm)



B-A - ADAPTER 1.5" NH F X 1.0 NH M (38mm x 25mm) - hose thread adapter. Allows use of 1" (25mm) nozzles on 1.5" (38mm) hose. (Common in forestry applications.)

H-SS-NJ

1.1 lb - 3.05"
(0.5kg - 7.8cm)



H-SS-NJ STREAM STRAIGHTENER - 2.5" NH F X 2.5" NH M (65mm x 65mm) - Straightens streams to provide greater reach with less turbulence.

H-A

1.1 lb - 3.75"
(0.5kg - 9.6cm)



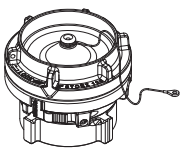
H-A - ADAPTER 2.5" NH F X 1.5" NH M (65mm x 38mm) - Internal flow path is specially shaped to reduce friction loss and turbulence when reducing 2.5" (65mm) lines to 1.5" (38mm).

HYDRANT ADAPTERS

Designed to enhance the rapid attachment of supply lines and improve inter-operability among responding agencies, hydrant Storz adapters easily and permanently attach to the 4.5" hydrant discharge port. The adapter and permanently secured cap are manufactured from hard anodized cast aluminum alloy for years of rugged use. The adapter includes a Storz lock, set screws to allow an anti-tamper feature, and colored Scotchlite labeling to allow easy visual identification. Adapter and cap meet NFPA 1963 and 1965 900psi hydrostatic testing and include standard 5 year warranty.

A04NP-ST

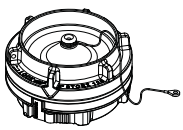
4" x 5.0"
9.2 lbs (4.2 kg)



13.8" (35.1cm) Height
7.7" (19.6cm) OD

A04NR-ST

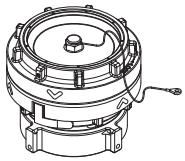
4.5" x 5.0"
4.2 lb (1.9kg)



2.7" (6.9cm) Height
7.7" (19.6cm) OD

A04NR-SX

4.5" x 6.0"
14.6 lb (6.6kg)



6.8" (17.3cm) Height
8.5" (21.6cm) OD

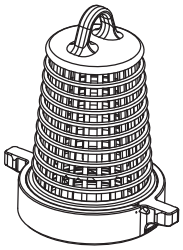
A04-LAB-KIT **STORZ HYDRANT ADAPTER LABELS KIT -** Kit contains 4 of each reflective color for hydrant identification. BLUE - 1500 GPM or more • GREEN - 1000-1499 GPM • ORANGE - 500-999 GPM • RED - BELOW 500 GPM

HARD SUCTION STRAINER

JUMBO **BARREL STRAINER 6.0"NH** - Heavy duty barrel strainer gives maximum flow capability. The impact resistant polymer won't dent when dropped and won't corrode even in contaminated water. The wavy straining pattern resists debris sucking flat against the holes. 240 holes total 48 square inches of flow area. An oversize loop makes tying off the strainer easy. The coupling is made from hard anodized aluminum and rotates easily on a polymer bearing ring. 6.0"NH (150 mm) female short handle coupling is standard.

DIMENSIONAL MAXIMUM

6" (150mm)
4.0 lb (1.8kg)
12.00" (305.0mm) Length
8" (200mm) Diameter



	Coupling	
A02		
	NJ) 2.5" Swivel Female Rocker Lug NP) Swivel Female Rocker Lug HNT) 5.0" NH Swivel Female Long Handle HNX) 6.0" NH Swivel Female Long Handle SP) 4.0" Storz	-Y) Barrel Color Yellow (omit for standard Black)

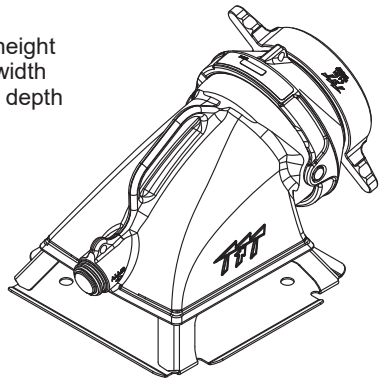
LOW LEVEL STRAINER

High volume low-level strainer is made of hard anodized and powder-coated aluminum. Clog-resistant stainless steel filter has over twice as much flow area as a 6" hose. This keeps friction loss down to 0.5 psi (1" Hg) at 1500 gpm and reduces the potential for air vortexes to form as water sinks towards the 2.5" minimum usable depth. Oversized sealed ball pivot allows 45° range of hose angle without constricting the flow path. Optional Jet Siphon with 1.5" female hose thread substantially increases suction lift capability and is also useful for tank shuttle, pump priming and dewatering with no need for a trash pump. Jet Siphon has 1.5" female hose threaded coupling that pivots freely in any direction to avoid hose kinks.

LOW LEVEL STRAINER - NO JET SIPHON

DIMENSIONAL MAXIMUM

24.1 lb (10.9kg)
12.1" (30.7cm) height
14.9" (37.8cm) width
21.50" (54.6cm) depth

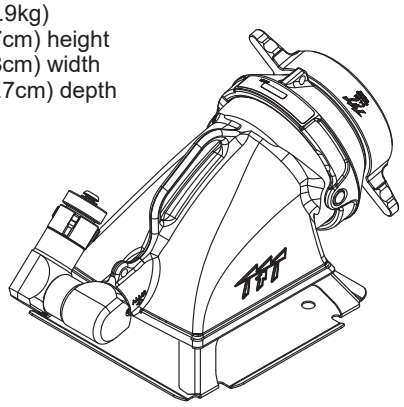


	Coupling	Optional
A03		
	NP) 4.0" Swivel Female Rocker Lug HNR) 4.5" Swivel Female Rocker Lug HNT) 5.0" Swivel Female Long Handle HNX) 6.0" NH Swivel Female Long Handle SP) 4.0" Storz **ST)** 5.0" Storz **SX)** 6.0" Storz	-F) Floating (omiit for non-floating)

LOW LEVEL STRAINER - JET SIPHON - Universal Inlet

DIMENSIONAL MAXIMUM

26.2 lb (11.9kg)
12.1" (30.7cm) height
14.9" (37.8cm) width
23.50" (59.7cm) depth



	Coupling		Optional
A03		-JET	
	NP) 4.0" Swivel Female Rocker Lug HNR) 4.5" Swivel Female Rocker Lug HNT) 5.0" Swivel Female Long Handle HNX) 6.0" NH Swivel Female Long Handle SP) 4.0" Storz **ST)** 5.0" Storz **SX)** 6.0" Storz		-F) Floating (omiit for non-floating)

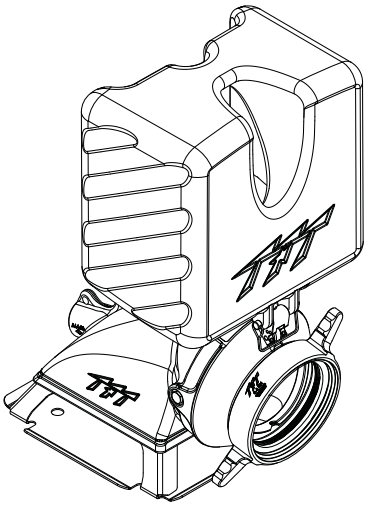
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FLOATING LOW LEVEL STRAINER NO JET SIPHON

Flotation device allows TFT high volume low-level strainer to collect clean water from ponds, lakes and rivers. The strainer inlet, made of hard anodized and powder-coated aluminum, hangs 18" below water level to avoid sucking surface air and bottom debris. Capable of supporting up to 30 ft of hose, the strainer extends well beyond safety ledges of residential ponds. The clog-resistant stainless steel filter has over twice as much flow area as a 6" hose. This keeps friction loss down to 0.5 psi (1" Hg) at 1500 gpm and reduces the potential for air vortexes to form. Oversized sealed ball pivot allows 45° range of hose angle without constricting the flow path. Rugged polyethylene float is yellow for high visibility and nests compactly over the strainer for minimal storage space. Float removal is not necessary for low level use, although a tethered latching hinge pin allows the float to be removed or installed instantly if desired.

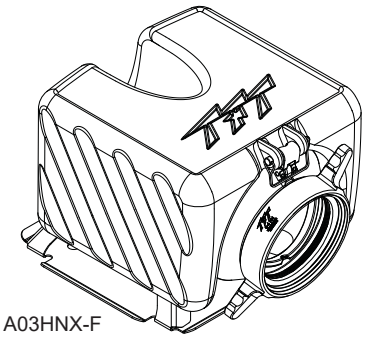
DIMENSIONAL MAXIMUM

29.9 lb (13.6kg)
13.3" (33.8cm) height
15.0" (38.1cm) width
21.50" (54.6cm) depth



A03HNX-F

Shown with 6" threaded coupling and float in operational position.



A03HNX-F

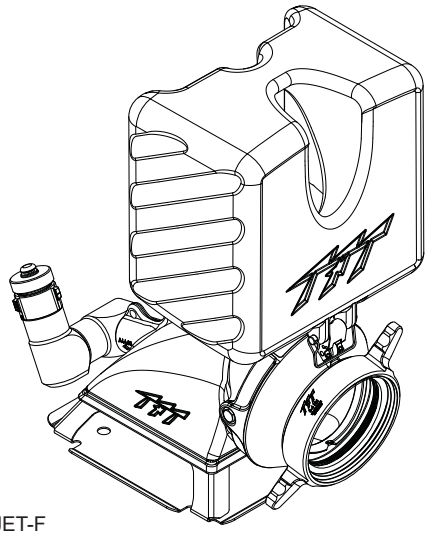
Shown with 6" threaded coupling and float in storage position.

FLOATING LOW LEVEL STRAINER JET SIPHON

Flotation device allows TFT high volume low-level strainer to collect clean water from ponds, lakes and rivers. The strainer inlet, made of hard anodized and powder-coated aluminum, hangs 18" below water level to avoid sucking surface air and bottom debris. Capable of supporting up to 30 ft of hose, the strainer extends well beyond safety ledges of residential ponds. The clog-resistant stainless steel filter has over twice as much flow area as a 6" hose. This keeps friction loss down to 0.5 psi (1" Hg) at 1500 gpm and reduces the potential for air vortexes to form. Oversized sealed ball pivot allows 45° range of hose angle without constricting the flow path. Jet Siphon substantially increases suction lift capability and is also useful for tank shuttle, pump priming and dewatering with no need for a trash pump. Jet Siphon has 1.5" female hose threaded coupling that pivots freely in any direction to avoid hose kinks. Rugged polyethylene float is yellow for high visibility and nests compactly over the strainer for minimal storage space. Float removal is not necessary for low level use, although a tethered latching hinge pin allows the float to be removed or installed instantly if desired.

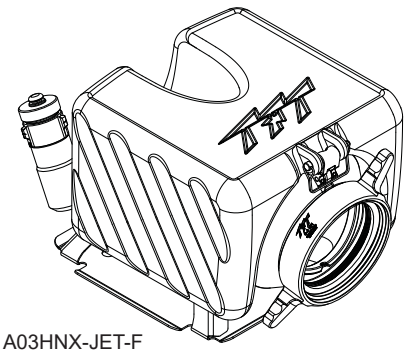
DIMENSIONAL MAXIMUM

32.0 lb (14.5kg)
13.3" (33.8cm) height
15.0" (38.1cm) width
23.50" (59.7cm) depth



A03HNX-JET-F

Shown with 6" threaded coupling and float in operational position.



A03HNX-JET-F

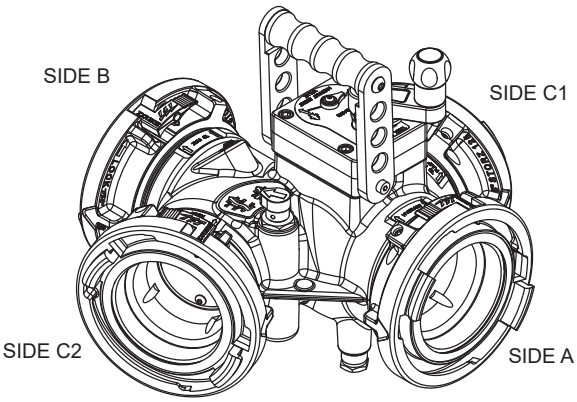
Shown with 6" threaded coupling and float in storage position.

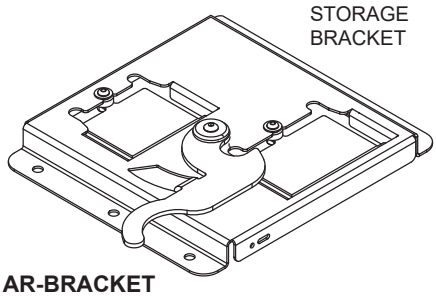
OASIS HYDRANT ASSIST

TFT's Oasis Hydrant Assist Valve is a versatile valve that can be used as a hydrant booster, as a gated wye, or for inline pumping during relay operations. In hydrant boosting operation, the valve is first connected to the hydrant and to the intake supply line on the first pumper. Inlet and outlet supply lines on a boost pumper are then connected to the valve to draw water directly from the hydrant connection and increase pressure/flow to the first pumper. A clapper valve with position indicator provides uninterrupted water flow to the fire when transitioning to boost mode, and in the event of boost pump failure. Two unique valve position indicators tell the operator if the ball and clapper valves are open or closed. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125 or 152 mm) hose. Stainless steel half ball valve provides corrosion protection. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum castings are hardcoat anodized inside and out, and TFT powder coat finished on the outside.

Dimensional Maximum
AR*****

35.0 lbs (15.9kg)
13.50" (34.3cm) Height
16.50" (41.9cm) Width
16.00" (40.6cm) Depth





AR-BRACKET

5.5 lbs. (2.5kg)

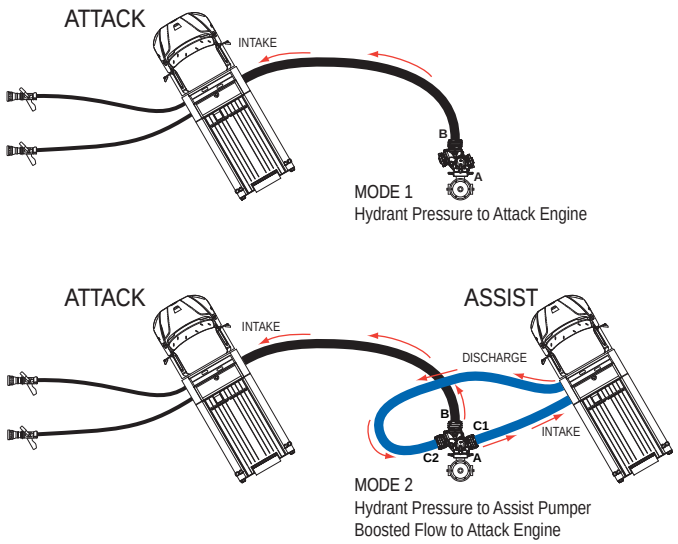
SIDE A	SIDE A INLET FROM HYDRANT		SIDE B OUTLET TO ATTACK		SIDE C1 OUTLET TO BOOST		SIDE C2 BOOSTED INLET	
Shut Off **AR)** No ARS) Yes	Style **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size **N)** 3.5" P) 4" R) 4.5" T) 5" X) 6"	Style **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size **N)** 3.5" P) 4" R) 4.5" T) 5" X) 6"	Style **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size **N)** 3.5" P) 4" R) 4.5" T) 5" X) 6"	Style **2)** Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size **N)** 3.5" P) 4" R) 4.5" T) 5" X) 6"

F = Female M = Male

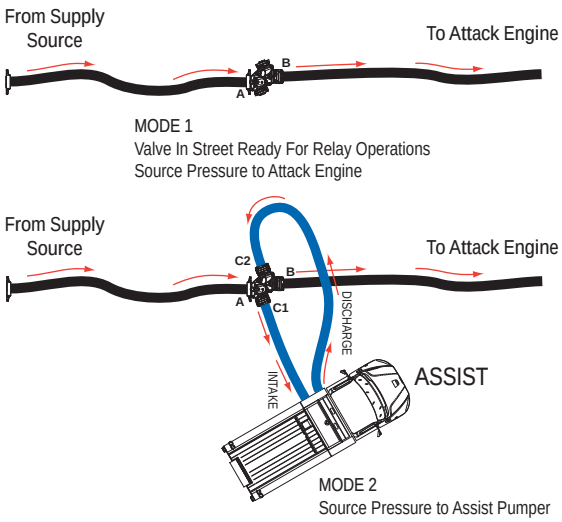
To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

USER CONFIGURATION FOR FULL SHUT-OFF OF HYDRANT AVAILABLE

Valve On Hydrant Used For Hydrant Boosting



Valve In Street Used For In-Line Relay Operations



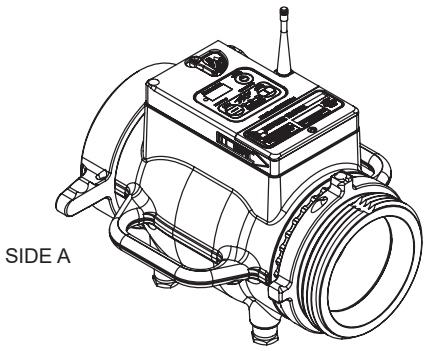
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

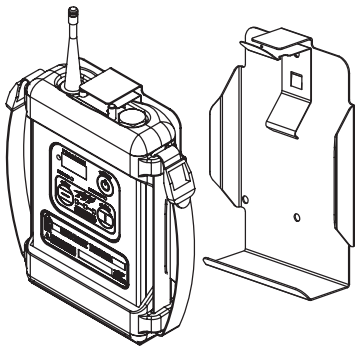
Remote Controlled

The Hydrant Master is a lightweight, low friction-loss hydrant valve that can be used in many water supply operations. Water pressure from opening the hydrant automatically turns on the Hydrant Master electronics. The valve opens and closes under radio control with an innovative slide valve which allows the control of high flows with a device that only weighs 31 pounds and consumes extremely low power. A handheld controller with pressure display and positive feedback of valve position controls the valve in excess of 1200 feet (366 m) away and allows hydrant pressure to be monitored remotely from the fire scene. Both the valve and handheld are equipped with backlighting for use in low-light situations. Manual override is provided on the valve control panel. The radio used is of the spread spectrum variety (like wifi) such that no license is required. The valve and handheld are both powered by (4) AA lithium batteries which will provide 140 hours of reliable operation. A low battery indicator will light at both the valve and at the hand held controller when 20 hours of battery life remain. The unit will go into power save sleep mode after five minutes of operation without a button being pressed.

AU**

31.0 lbs (14.1kg)
10.00” (25.4cm) Height
13.50” (34.3cm) Width
12.00” (30.5cm) Depth





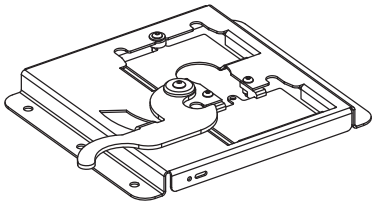
AU	SIDE A INLET FROM HYDRANT		SIDE B OUTLET TO ATTACK	
	Style **2)** Storz Swivel 6) F Long Handle Swivel	Size **P)** 4" R) 4.5" T) 5" X) 6"	Style **1)** Storz Rigid 7) M Rigid	Size **P)** 4" R) 4.5" T) 5" X) 6"

(Choose Side A & Size / Side B & Size suffix from table)
Example: A 4” Storz Swivel inlet to a 5” National Hose thread Male Rigid Outlet would be a AU2P7T.

To change a 4” or 5” Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

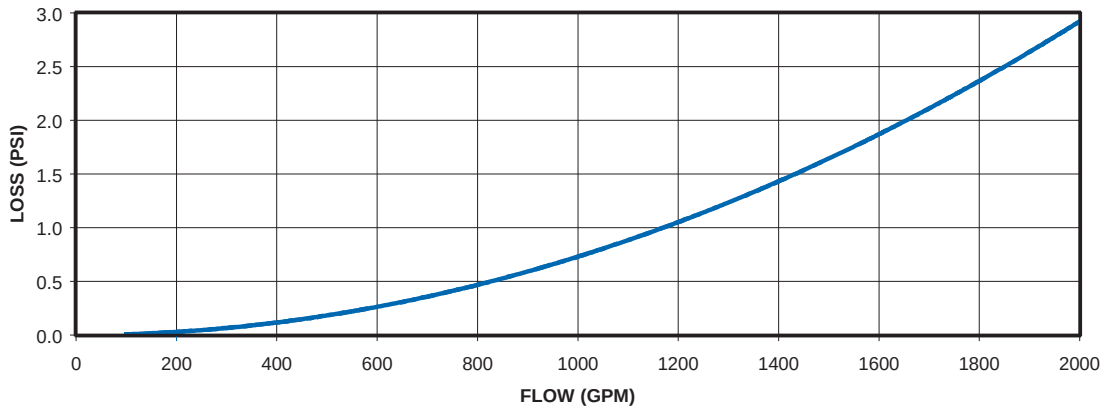
AU-BRACKET

5.5 lbs (2.5kg)



AU-BRACKET - HYDRANT MASTER STORAGE BRACKET – A 304 Stainless steel bracket holds the Hydrant Master securely while being transported. This 12.5” X 11.1” X 1” (317.5 mm X 281.9 mm X 25.4 mm) bracket can be mounted vertically or horizontally in any position including a shelf, side wall, or compartment door.

RC HYDRANT SLIDE VALVE - LOSS



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

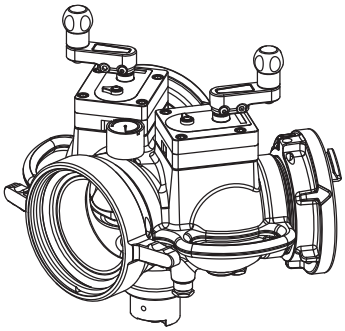
LDH GATED WYE

The LDH Gated Wye is a lightweight, low friction-loss valve that can be used in many water distribution applications. Dual robust valve mechanisms from the TFT Ball Intake Valve are streamlined to a large waterway for the ultimate in versatility. Valve seats are field replaceable, devices include a 300 PSI pressure gage and quarter turn air vent and drain valve. Two robust carrying handles make for easy deployment. A polymer bearing ring prevents galvanic corrosion on LDH couplings.

Dimensional Maximum
AL2***

52.1 lb (23.6 kg)
16.3” (37.3 cm) Height
20.8” (52.8 cm) Width
16.8” (42.7 cm) Depth

SIDE A



SIDE B

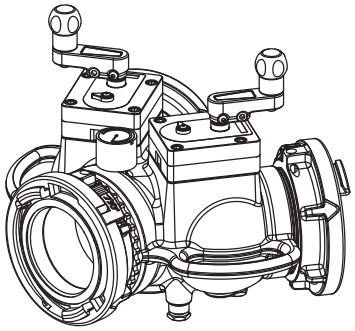
DUAL BALL INTAKE VALVE - Truck / Fixed Applications

	SIDE A		**SIDE** B (2 Couplings)		
	TYPE	**SIZE**	**TYPE**	**SIZE**	**PRV**
AL2					
	6) Female Long Handle (NFS)	**P)** 4" R) 4.5" T) 5" X) 6"	**2)** Storz 3) Female Rocker Lug (FTS) 7) Rigid Male	**P)** 4" R) 4.5" T) 5" X) 6"	**0)** NO PRV 1) PRV

Dimensional Maximum
AL2**0**

50.7 lb (23.0 kg)
13.8” (35.1 cm) Height
20.8” (52.8 cm) Width
16.8” (42.7 cm) Depth

SIDE A



SIDE B

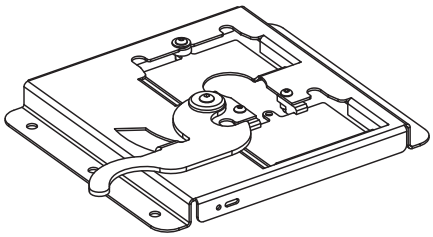
LDH GATED WYE - Ground / Loose Equipment

	SIDE A		**SIDE** B (2 Couplings)		
	TYPE	**SIZE**	**TYPE**	**SIZE**	**PRV**
AL2					
	2) Storz 3) Female Rocker Lug (FTS) 5) Female Long Handle (FTS) 7) Ridgid Male	**P)** 4" R) 4.5" T) 5" X) 6"	**2)** Storz 3) Female Rocker Lug (FTS) 7) Rigid Male	**P)** 4" R) 4.5" T) 5" X) 6"	**0)** NO PRV

To change a 4” or 5” Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram.

AU-BRACKET

5.5 lbs. (2.5kg)



National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BLUE Category
OEM Installed Components

The BLUE category includes apparatus manufacturer installed components that typically require plumbing and electrical installation, or are related items. This category includes manual and master stream nozzles, Extend-A-Guns, manual and remote control monitors, remote control intake and in-line valves and accessories.

Components Included In The Category

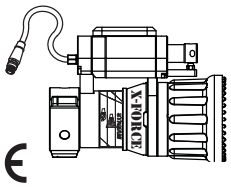
Masterstream 500, 1000, 1250s, 1250, 1500, 2000, 4000 and 5000 gpm manual and remote nozzles, Extend-A-Gun manual and remote, EF1, Tornado Lite, Tornado, Hurricane, Typhoon, Monsoon and Tsunami manual and remote monitors, VUM series, VK Series of Valve Kits, AB and AX remote control intake valves.

Remote Control Accessories

MAX-FORCE 100 - 500 GPM (400-2000 l/min) Dual Pressure Automatic

MD-ERP-12A
MD-ER-12A

10.2 lbs (4.6kg)
10.00" (26.0cm)

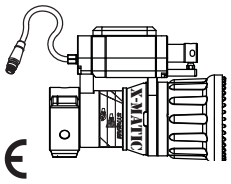


MD-ERP-12A 100 PSI (7bar) MAX-FORCE ELECTRIC REMOTE TIP Automatic dual-pressure control with a flow capacity of 100-500 gpm (400-2000 l/min). The nozzle may be switched between standard 100 psi (7bar) and 55 psi (4bar) by twisting a knob on the front of the nozzle. 2.5" NH (65mm) rigid rocker lug coupling is standard. For use on TFT RC monitors only.
MD-ER-12A - same as MD-ERP-12A except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

MAX-MATIC 100 - 500 GPM (400-2000 l/min) Automatic

MD-ERP-18A
MD-ER-18A

10.0 lbs (4.5kg)
10.00" (26.0cm)

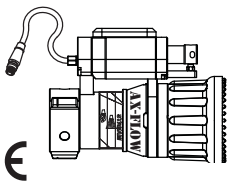


MD-ERP-18A 100 PSI (7bar) MAX-MATIC ELECTRIC REMOTE TIP Automatic pressure control with a flow capacity of 100-500 gpm (400-2000 l/min). The nozzle operates at a standard 100 psi (7bar). 2.5" NH (65mm) rigid rocker lug coupling is standard. For use on TFT RC monitors only.
MD-ER-18A - same as MD-ERP-18A except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

MAX-FLOW 500 GPM (2000 l/min) Fixed Gallonage

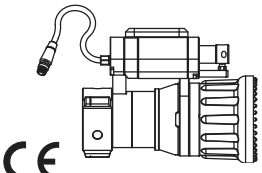
MD-ERP-14A
MD-ER-14A

10.0 lbs (4.5kg)
10.00" (26.0cm)



MD-ERP-14A 100 PSI (7bar) MAX-FLOW ELECTRIC REMOTE TIP The nozzle will operate with pressures as low as 30 psi (2bar). 2.5" NH (65mm) rigid rocker lug coupling is standard. For use on TFT RC monitors only.
MD-ER-14A - same as MD-ERP-14A except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

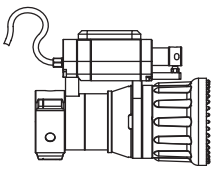
When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Tornado RC, Hurricane RC, Typhoon RC, or Monsoon RC Monitor.



For TFT Monitor Only

MD-ERP ____ ____ **A**

INLET (Swivel)	PRESSURE FLOW OPTIONS
1) NH FEMALE	2 = Dual Pressure 55 / 100 PSI (4/7 bar)
2) BSP FEMALE	4 = Fixed Gallonage 500 GPM (2000 l/min)
3) NPSH FEMALE	7 = Automatic Low Pressure 80 PSI (6 bar)
4) SPECIAL THREADS	8 = Automatic 100 PSI (7 bar)



MD-ER ____ ____ **A**

INLET (Swivel)	PRESSURE FLOW OPTIONS
1) NH FEMALE	2 = Dual Pressure 55 / 100 PSI (4/7 bar)
2) BSP FEMALE	4 = Fixed Gallonage 500 GPM (2000 l/min)
3) NPSH FEMALE	7 = Automatic Low Pressure 80 PSI (6 bar)
4) SPECIAL THREADS	8 = Automatic 100 PSI (7 bar)

FoamJet Model for Max-Series
FJ-MX-MD (found on page 45)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MASTER STREAM 1000 SERIES

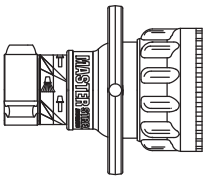
Fixed, Selectable and Automatic

150 - 1000 GPM (600 - 3800 l/min)

The TFT Master Stream 1000 series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. Models are available with either automatic pressure control, five selectable gallonage settings, or a factory ordered fixed orifice. All Master Stream series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

M-R1000-NJ (2.5)
M-R1000-NL (3.0)
M-R1000-NN (3.5)

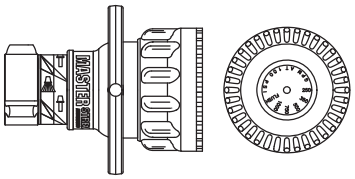
9.1 lb (4.1kg)
10.00" (25.4cm)



M-R1000-NJ MASTER W/HALO AUTOMATIC 2.5” NH (65mm) - Flow range of 150-1000 gpm (600-3800 l/min). Fully automatic Master Stream nozzle for use on monitors, ladder pipes, deluge guns, and aerial platforms. Constant nozzle pressure regulated to 100 psi (7 bar). Continuously variable from straight stream to wide fog. Includes halo ring for manual pattern control. Rubber bumper incorporates TFT “power fog” teeth for fully-filled, finger-free fog pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) coupling is optional.

M-RS1000-NJ (2.5)
M-RS1000-NL (3.0)
M-RS1000-NN (3.5)

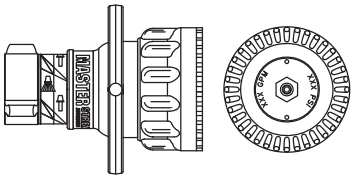
9.1 lb (4.1kg)
10.00" (25.4cm)



M-RS1000-NJ MASTER W/HALO SELECTABLE FLOW 2.5” NH (65mm) - Flows of 250, 350, 500, 750, and 1000 gpm at 100 psi (950, 1300, 2000, 3000 and 4000 l/min @ 7 bar). Flow is adjusted by depressing the outer baffle and rotating to the laser engraved position for the desired flow. Nozzle must be shut down to change settings. 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) coupling is optional.

M-RF1000-NJ (2.5)
M-RF1000-NL (3.0)
M-RF1000-NN (3.5)

8.3 lb (3.8kg)
10.00" (25.4cm)



M-RF1000-NJ MASTER W/HALO FIXED FLOW 2.5” NH (65mm) - This nozzle, built on the Master Stream body, is a fixed constant flow nozzle. It is factory preset at the customer’s specified Kfactor 50 to 105 (1000 gpm (4000 l/min) max). 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) coupling is optional. Flow and pressure are laser engraved on the baffle.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPRFS2500-BJ	Masterstream Selectable Gallonage w/Halo Pattern Adjustment Ring 2.5” Female BSP Inlet	500-1000-1500-2000-2500 l/min @ 7bar

MASTER STREAM 1250S SERIES

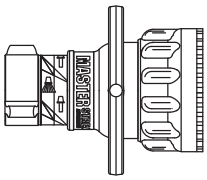
Automatic Pressure Control

150 - 1250 GPM (600 - 4500 l/min)

The TFT Master Stream 1250 series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. All Master Stream series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

M-R1250S-NJ (2.5)
M-R1250S-NL (3.0)
M-R1250S-NN (3.5)

9.1 lb (4.1kg)
10.00" (25.4cm)



M-R1250S-NJ MASTER W/HALO AUTOMATIC 2.5” NH (65mm) - Flow range of 150-1250 gpm (600-4500 l/min). Fully automatic Master Stream nozzle for use on monitors, ladder pipes, deluge guns, and aerial platforms. Constant nozzle pressure regulated to 100 psi (7 bar). Continuously variable from straight stream to wide fog. Includes halo ring for manual pattern control. Rubber bumper incorporates TFT “power fog” teeth for fully-filled, finger-free fog pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) coupling is optional.

FoamJet Model for Master Stream Series
FJ-LX-M (found on page 37)

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MP-RS4000-BJ	Masterstream Selectable Gallonage w/Halo Pattern Adjustment Ring 2.5” Female BSP Inlet	1000-1500-2000-2500-3000-4000 l/min @ 7bar

There are models of this series, not listed here, that have international certifications and approvals.
Please refer to pages 230-231 or www.tft.com for additional information.

MASTER STREAM 1000 SERIES

150 - 1000 GPM (600 - 3800 l/min) — *Fixed, Selectable and Automatic*

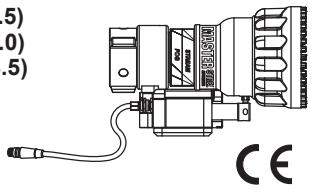
The TFT Master Stream 1000 series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. Models are available with either automatic pressure control, five selectable gallonage settings, or a factory ordered fixed orifice. All Master Stream series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

Electrically operated pattern control for use on remote applications. The rugged, aluminum actuator is totally enclosed and waterproof. The 12 to 24 volt actuator unit develops sufficient force to break loose ice or contaminants and draws just 3 amps. There is a manual override if the electrical power fails. Water pattern adjusts from straight stream to a wide fog. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane, Typhoon, or Monsoon RC Monitor.

MERFP1000-NJ (2.5)
MERFP1000-NL (3.0)
MERFP1000-NN (3.5)

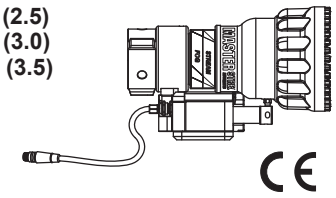
13.7 lb (6.2kg)
12.00" (30.5cm)



MERFP1000-NJ MASTER ELECTRIC REMOTE FIXED FLOW 2.5" NH (65mm) - This nozzle, built on the Master Stream body, is a fixed constant flow nozzle. It is factory preset at the customer's specified Kfactor 50 to 105 (1000 gpm (4000 l/min) max). 2.5" NH (65mm) rocker lug swivel coupling is standard. 3.0" NH (75mm) or 3.5" NH (90mm) coupling is optional. Flow and pressure are laser engraved on the baffle. For use on TFT RC monitors only.
M-ERF1000-NJ* Same as M-ERP1000-NJ except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

MERSP1000-NJ (2.5)
MERSP1000-NL (3.0)
MERSP1000-NN (3.5)

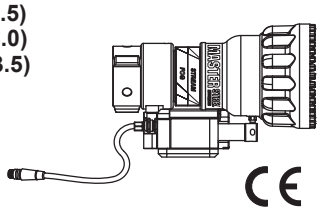
13.7 lb (6.2kg)
12.00" (30.5cm)



MERSP1000-NJ MASTER ELECTRIC REMOTE SELECTABLE 2.5" NH (65mm) - Flows of 250, 350, 500, 750, and 1000 gpm at 100 psi (950, 1300, 2000, 3000 and 4000 l/min @ 7 bar). Flow is adjusted by depressing the outer baffle and rotating to the laser engraved position for the desired flow. Nozzle must be shut down to change settings. 2.5" NH (65mm) rocker lug swivel coupling is standard. 3.0" NH (75mm) or 3.5" NH (90mm) coupling is optional. For use on TFT RC monitors only.
M-ERS1000-NJ* Same as M-ERSP1000-NJ except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

M-ERP1000-NJ (2.5)
M-ERP1000-NL (3.0)
M-ERP1000-NN (3.5)

13.7 lb (6.2kg)
12.00" (30.5cm)



M-ERP1000-NJ MASTER ELECTRIC REMOTE AUTOMATIC 2.5" NH (65mm) - The M-ERP1000 has a flow capacity on 150-1000 gpm (600-3800 l/min). 2.5" (65mm) NH rocker lug swivel coupling is standard. 3.0" NH (75mm) or 3.5" NH (90mm) coupling is optional. For use on TFT RC monitors only.
M-ER1000-NJ* Same as M-ERP1000-NJ except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

Models with * are designed for application on monitors manufactured by others. This is a two wire connection, non terminated, without smart stream technology.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MP-RF1000-BJ	Masterstream Automatic 1000 w/Halo Pattern Adjustment Ring 2.5" Female BSP Inlet	User Specified K factor of 50-105

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MASTER STREAM 1250S SERIES

Automatic

150 - 1250 GPM (570 - 4700 l/min)

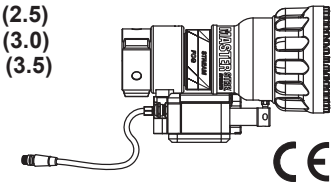
The TFT Master Stream 1250S series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. All Master Stream series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

Electrically operated pattern control for use on remote applications. The rugged, aluminum actuator is totally enclosed and waterproof. The 12 to 24 volt actuator unit develops sufficient force to break loose ice or contaminants and draws just 3 amps. There is a manual override if the electrical power fails. Water pattern adjusts from straight stream to a wide fog. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane, Typhoon, or Monsoon RC Monitor.

M-ERP1250SNJ (2.5)
M-ERP1250SNL (3.0)
M-ERP1250SNN (3.5)

13.7 lb (6.2kg)
12.00" (30.5cm)



M-ERP1250SNJ MASTER ELECTRIC REMOTE AUTOMATIC 2.5" NH (65mm) - The M-ERP1250S has a flow capacity on 150-1250 gpm (600-4800 l/min). 2.5" (65mm) NH rocker lug swivel coupling is standard. 3.0" NH (75mm) or 3.5" NH (90mm) coupling is optional. For use on TFT RC monitors only.
M-ER1250S-NJ* Same as M-ERP1250S-NJ except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPERP1250SBJ	Masterstream Automatic 4500 Electric Remote 12-24VDC w/plug 2.5" Female BSP Inlet	570-4500 l/min @ 7bar
MPERP1250SBP	Masterstream Automatic 4500 Electric Remote 12-24VDC w/plug 4.0" Female BSP Inlet	570-4500 l/min @ 7bar
MP-I1250S-BJ	Masterstream Automatic No Halo Ring 2.5" Female BSP Inlet	570-4500 l/min @ 7bar Industrial Model
MP-R1250S-BJ	Masterstream Automatic w/Halo Pattern Adjustment Ring 2.5" Female BSP Inlet	570-4500 l/min @ 7bar

MASTER STREAM 1250 ELECTRIC REMOTE

Automatic

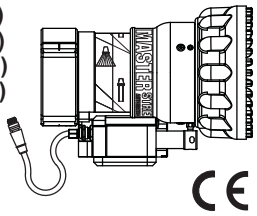
300 - 1250 GPM (1100 - 4500 l/min)

Electrically operated pattern control for use on remote applications. The rugged, aluminum actuator is totally enclosed and waterproof. The 12 to 24 volt actuator unit develops sufficient force to break loose ice or contaminants and draws just 3 amps. There is a manual override if the electrical power fails. Water pattern adjusts from straight stream to a wide fog. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane, Typhoon, or Monsoon RC Monitor.

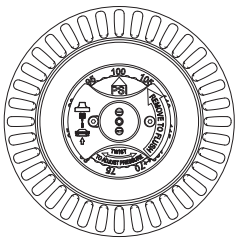
M-ERP1250-NJ (2.5)
M-ERP1250-NL (3.0)
M-ERP1250-NN (3.5)
M-ERP1250-NP (4.0)

16.8 lb (7.6kg)
12.00" (32.0cm)



M-ERP1250-NN MASTER STREAM 1250 ELECTRIC REMOTE 3.5" NH (90mm) - The M-ERP1250-NN has a flow capacity of 300-1250 gpm (1100 - 4800 l/min). With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). Specify coupling size (2.5", 3.0", 3.5", 4.0") (64mm, 75mm, 90mm, 100mm) and threads. 3.5"NH (90mm) rocker lug swivel coupling is standard. For use on TFT RC monitors only.
M-ER1250-NN* Same as M-ERP1250-NN except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 125.



Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPERP1250-BP	Masterstream Automatic 5000 Electric Remote 12-24VDC w/plug 4.0" Female BSP Inlet	1000-5000 l/min @ 4.8-8.3bar
MP-R1250-BJ	Masterstream Automatic 5000 w/Halo Pattern Adjustment Ring 2.5" Female BSP Inlet	1000-5000 l/min @ 4.8-8.3bar

MASTER STREAM 1000 & 1250 WITH FLUSH

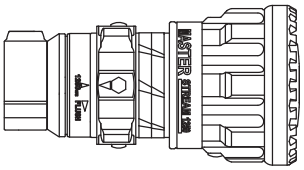
300 - 1000 GPM (1100 - 3800 l/min)
300 - 1250 GPM (1100 - 4800 l/min)

Automatic, Selectable or Fixed

The Master Stream 1250 with Flush has the ability to produce an excellent hard-hitting stream at any flow from 300 gpm to 1250 gpm (1100 l/min to 4800 l/min). Easily adjustable from a straight stream to a wide dense fog pattern, the Master Stream 1250 with Flush is standard with a rugged aluminum bumper with fixed fog teeth. The nozzle features a selector ring behind the shaper that allows gallonage selection or flushing the nozzle of debris without shutting down flow. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or when flush while flowing is necessary or desired. The Master Stream 1250 with Flush is suitable for use with foam and accepts the FJ-LX-M Foamjet low expansion air aspirating attachment.

M-FA1250-NJ (2.5)
M-FA1250-NL (3.0)
M-FA1250-NN (3.5)

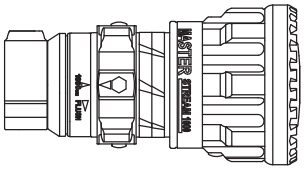
11.1 lbs (5.0 kg)
11.70” (29.7 cm)



M-FA1250-NJ MASTER 1250 AUTOMATIC WITH FLUSH – Flow range of 300-1250 gpm (1100-4800 l/min). The automatic series features TFT’s exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 125. The selector ring allows the user to flush the nozzle without shutting down flow to the nozzle. 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) couplings optional.

M-FA1000-NJ (2.5)
M-FA1000-NL (3.0)
M-FA1000-NN (3.5)

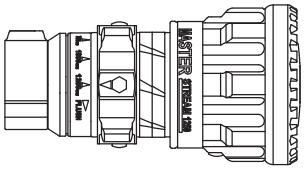
11.1 lbs (5.0 kg)
11.70” (29.7 cm



M-FA1000-NJ MASTER 1000 AUTOMATIC WITH FLUSH – Flow range of 300-1000 gpm (1100-3800 l/min). The automatic series features TFT’s exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 125. The selector ring allows the user to flush the nozzle without shutting down flow to the nozzle. 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) couplings optional.

M-FS1250-NJ (2.5)
M-FS1250-NL (3.0)
M-FS1250-NN (3.5)

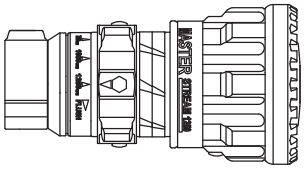
11.1 lbs (5.0 kg)
11.70” (29.7 cm



M-FS1250-NJ MASTER 1250 SELECTABLE FLOW WITH FLUSH – The Selectable Flow version of the Master 1250 features a selector ring behind the shaper that can be adjusted while the nozzle is flowing to maximum flows of 500, 750, 1000, and 1250 gpm at 100 psi (2000, 3000, 3800, 4800 l/min). A unique Flow-Limiting function assures maximum stream performance at each gallonage selection setting. The selector ring also allows the user to flush the nozzle without shutting down flow to the nozzle. 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) couplings optional.

M-FS1000-NJ (2.5)
M-FS1000-NL (3.0)
M-FS1000-NN (3.5)

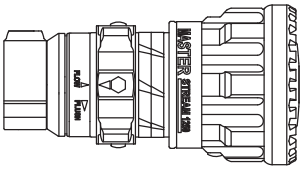
11.1 lbs (5.0 kg)
11.70” (29.7 cm



M-FS1000-NJ MASTER 1000 SELECTABLE FLOW WITH FLUSH – The Selectable Flow version of the Master 1000 features a selector ring behind the shaper that can be adjusted while the nozzle is flowing to maximum flows of 350, 500, 750, and 1000 gpm at 100 psi (1300, 2000, 3000, 3800 l/min). A unique Flow-Limiting function assures maximum stream performance at each gallonage selection setting. The selector ring also allows the user to flush the nozzle without shutting down flow to the nozzle. 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) couplings optional.

M-FF1250-NJ (2.5)
M-FF1250-NL (3.0)
M-FF1250-NN (3.5)

11.1 lbs (5.0 kg)
11.70” (29.7 cm



M-FF1250-NJ MASTER 1250 FIXED FLOW WITH FLUSH – Fixed Constant Flow nozzle factory preset at customer’s specified K-Factor 50-130. The selector ring allows the user to flush the nozzle without shutting down flow to the nozzle. 2.5” NH (65mm) rocker lug swivel coupling is standard. 3.0” NH (75mm) or 3.5” NH (90mm) couplings optional.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MASTER STREAM 1000 & 1250 ELECTRIC REMOTE WITH FLUSH

Automatic or Fixed

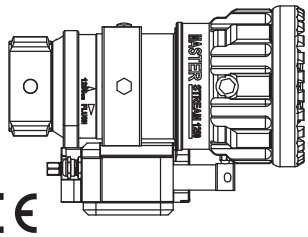
300 - 1000 GPM (1100 - 3800 l/min)
300 - 1250 GPM (1100 - 4800 l/min)

The Master Stream 1250 Electric Remote with Flush has the ability to produce an excellent hard-hitting stream at any flow from 300 gpm to 1250 gpm (1100 l/min to 4800 l/min). Easily adjustable from a straight stream to a wide dense fog pattern, the Master Stream 1250 with Flush is standard with a rugged aluminum bumper with fixed fog teeth. The nozzle features a selector ring behind the shaper that allows gallonage selection or flushing the nozzle of debris without shutting down flow. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or when flush while flowing is necessary or desired. The Master Stream 1250 with Flush is suitable for use with foam and accepts the FJ-LX-M Foamjet low expansion air aspirating attachment.

When ordering a nozzle for use on TFT RC monitors, order a plug version (EP). EP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane, Typhoon, or Monsoon RC Monitor.

M-FAEP1250NJ (2.5)
M-FAEP1250NL (3.0)
M-FAEP1250NN (3.5)
M-FAER1250NJ(2.5)
M-FAER1250NL(3.0)
M-FAER1250NN(3.5)

15.1 lbs (6.8 kg)
11.70" (29.7 cm)

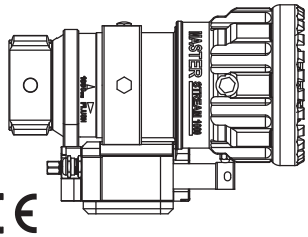


M-FAEP1250N* MASTER 1250 AUTOMATIC ELECTRIC REMOTE WITH FLUSH – Flow range of 300-1250 gpm (1100-4800 l/min). The automatic series features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 125. This design allows the user to flush the nozzle without shutting down flow to the nozzle. 2.5" NH (65mm) rocker lug swivel coupling is standard. 3.0" NH (75mm) or 3.5" NH (90mm) couplings optional. For use on TFT RC monitors only.

M-FAER1250N* MASTER 1250 AUTOMATIC ELECTRIC REMOTE WITH FLUSH - Same as above except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

M-FAEP1000NJ (2.5)
M-FAEP1000NL (3.0)
M-FAEP1000NN (3.5)
M-FAER1000NJ (2.5)
M-FAER1000NL (3.0)
M-FAER1000NN (3.5)

15.1 lbs (6.8 kg)
11.70" (29.7 cm

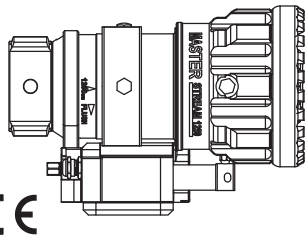


M-FAEP1000N* MASTER 1000 AUTOMATIC ELECTRIC REMOTE WITH FLUSH – Flow range of 300-1000 gpm (1100-3800 l/min). The automatic series features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 125. This design allows the user to flush the nozzle without shutting down flow to the nozzle. 2.5" NH (65mm) rocker lug swivel coupling is standard. 3.0" NH (75mm) or 3.5" NH (90mm) couplings optional. For use on TFT RC monitors only.

M-FAER1000N* MASTER 1250 AUTOMATIC ELECTRIC REMOTE WITH FLUSH - Same as above except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

M-FFEP1250NJ (2.5)
M-FFEP1250NL (3.0)
M-FFEP1250NN (3.5)
M-FFER1250NJ (2.5)
M-FFER1250NL (3.0)
M-FFER1250NN (3.5)

15.1 lbs (6.8 kg)
11.70" (29.7 cm



M-FFEP1250N* MASTER 1250 FIXED FLOW ELECTRIC REMOTE WITH FLUSH – Fixed Constant Flow nozzle factory preset at customer's specified K-Factor 50-130. This design allows the user to flush the nozzle without shutting down flow to the nozzle. 2.5" NH (65mm) rocker lug swivel coupling is standard. 3.0" NH (75mm) or 3.5" NH (90mm) couplings optional. For use on TFT RC monitors only.

M-FFER1250N* MASTER 1250 FIXED FLOW ELECTRIC REMOTE WITH FLUSH - Same as above except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

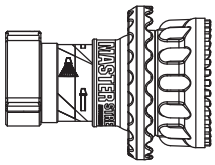
MASTER STREAM 1500 SERIES

300 - 1500 GPM (1100 - 6000 l/min) — Automatic

The new Master Stream 1500 has the ability to produce an excellent hard-hitting stream at any volume from 300 gpm to 1500 gpm (1100 - 6000 l/min). It is adjustable from a straight stream to a dense fog pattern. This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 150. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or where a flow of 300 - 1500 gpm (1100 - 6000 l/min) is necessary or desired.

M-R1500-NJ (2.5)
M-R1500-NL (3.0)
M-R1500-NN (3.5)
M-R1500-NP (4.0)

13.6 lb (6.1kg)
12.00" (32.0cm)



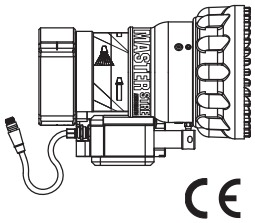
M-R1500-NN MASTER STREAM 1500 W/HALO 3.5" NH (90mm) - Automatic high volume Master Stream nozzle with a flow range of 300-1500 gpm (1100 - 6000 l/min). Continuously variable pattern from straight stream to wide fog. Includes halo ring for manual pattern control. Rubber bumper incorporates TFT "power fog" teeth for full finger-free fog pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Specify coupling size (2.5", 3.0", 3.5", 4.0") (64mm, 75mm, 90mm, 100mm) and threads. 3.5" NH (90mm) rocker lug swivel coupling is standard.

Electrically operated pattern control for use on remote applications. The rugged, aluminum actuator is totally enclosed and waterproof. The 12 to 24 volt actuator unit develops sufficient force to break loose ice or contaminants and draws just 3 amps. There is a manual override if the electrical power fails. Water pattern adjusts from straight stream to a wide fog. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane, Typhoon, or Monsoon RC Monitor.

M-ERP1500-NJ (2.5)
M-ERP1500-NL (3.0)
M-ERP1500-NN (3.5)
M-ERP1500-NP (4.0)
M-ER1500-NJ (2.5)
M-ER1500-NL (3.0)
M-ER1500-NN (3.5)
M-ER1500-NP(4.0)

16.8 lb (7.6kg)
12.00" (32.0cm)

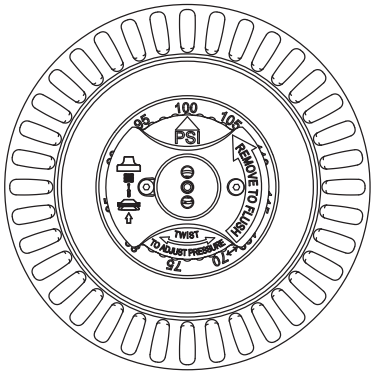


M-ERP1500-NN MASTER STREAM 1500 ELECTRIC REMOTE 3.5" NH (90mm) - The M-ERP1500-NN has a flow capacity of 300-1500 gpm (1100-6000 l/min). With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). Specify coupling size (2.5", 3.0", 3.5", 4.0") (64mm, 75mm, 90mm, 100mm) and threads. 3.5"NH (90mm) rocker lug swivel coupling is standard. For use on TFT RC monitors only.

M-ER1500-NN* Same as M-ERP1500-NN except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

* Models with ER are designed for application on monitors manufactured by others. This is a two wire connection, non terminated, without SMART STREAM technology.

This nozzle features TFT's exclusive pressure adjustment knob. With a twist of the large knob on the front of the nozzle, operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 150.



Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MPERP1500-BP	Masterstream Automatic 6000 Electric Remote 12-24VDC w/plug 4.0" Female BSP Inlet	1000-6000 l/min @ 4.8-8.3bar

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

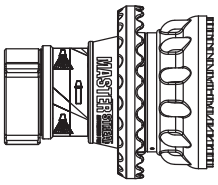
MASTER STREAM 2000 SERIES

300 - 2000 GPM (1100 - 8000 l/min) — *Fixed and Automatic*

The Master Stream 2000 has the ability to produce an excellent hard-hitting stream at any volume from 300 gpm to 2000 gpm (1100 - 8000 l/min). It is adjustable from a straight stream to a dense fog pattern. The recently redesigned nozzles are substantially shorter and lighter than their predecessors. With a twist of the knob on the front of the nozzle, operating pressure can be immediately adjusted between 80 and 120 psi (6 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 230. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or where a flow of 300 - 2000 gpm (1100 - 8000 l/min) is necessary or desired.

M-R2000-NL (3.0)
M-R2000-NN (3.5)
M-R2000-NP (4.0)

18.7 lb (8.5kg)
12.10" (30.7cm)



M-R2000-NN MASTER STREAM 2000 W/HALO 3.5" NH (90mm) - Automatic high volume Master Stream nozzle with a flow range of 300-2000 gpm (1100 – 8000 l/min). Continuously variable pattern from straight stream to wide fog. Includes halo ring for manual pattern control. Rubber bumper incorporates TFT "power fog" teeth for full finger-free fog pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Specify coupling size (2.5", 3.0", 3.5", 4.0") (75mm, 90mm, 100mm) and threads. 3.5" NH (90mm) rocker lug swivel coupling is standard.

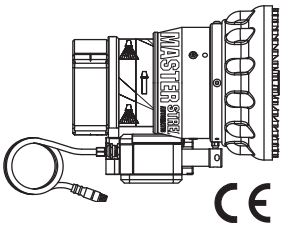
Models with Specific Inlets and Flow/Pressure Specifications		
Model	Description	Additional Description
MP-R8000-NP	Masterstream Automatic 8000 w/Halo Pattern Adjustment Ring 4.0" Female BSP Inlet	1100-8000 l/min @ 5.5-8.3bar

Electrically operated pattern control for use on remote applications. The rugged, aluminum actuator is totally enclosed and waterproof. The 12 to 24 volt actuator unit develops sufficient force to break loose ice or contaminants and draws just 3 amps. There is a manual override if the electrical power fails. Water pattern adjusts from straight stream to a wide fog. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially around FOG position. Delivered with a waterproof plug connection for seamless integration with TFT's Hurricane, Typhoon, or Monsoon RC Monitor.

M-ERP2000-NL (3.0)
M-ERP2000-NN (3.5)
M-ERP2000-NP (4.0)
M-ER2000-NL (3.0)
M-ER2000-NN (3.5)
M-ER2000-NP (4.0)

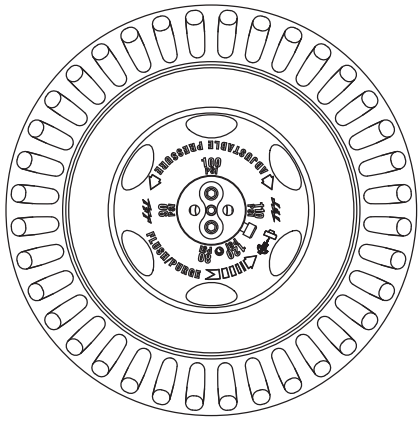
21.5 lb (9.8kg)
12.10" (30.7cm)



M-ERP2000-NN MASTER STREAM 2000 ELECTRIC REMOTE 3.5" NH (90mm) - The M-ERP2000-NN has a flow capacity of 300-2000 gpm (1100-8000 l/min). With a twist of the knob on the front of the nozzle, operating pressure can be immediately adjusted between 80 and 120 psi (6 and 8.3 bar). Specify coupling size (3.0", 3.5", 4.0") (75mm, 90mm, 100mm) and threads. 3.5"NH (90mm) rocker lug swivel coupling is standard. For use on TFT RC monitors only.
M-ER2000-NN* Same as M-ERP2000-NN except with 6 ft of non-terminated remote wire for custom installations. Does not have SMARTSTREAM technology.

* Models with ER are designed for application on monitors manufactured by others. This is a two wire connection, non terminated, without SMART STREAM technology.

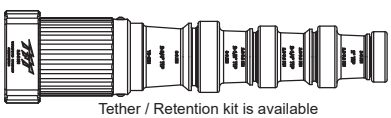
This nozzle now features TFT's exclusive pressure adjustment knob. With a twist of the knob on the front of the nozzle, operating pressure can be immediately adjusted between 80 and 120 psi (6 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 230.



MASTER STREAM STACKED TIPS

YST-4NN

12.5 lb (5.7kg)
22.50" (57.2cm)



Tether / Retention kit is available on page 220 (TETHER01-KIT)

YST-4NN - 4 STACKED TIPS, 3.5" NH (89mm) Designed for monitor use up to 2000 gpm (8000 l/min), these lightweight tips are hardcoat anodized, allow four orifice options, have a built in stream straightener and pressure/flow charts laser engraved on each tip. Orifice openings are 2.75", 2.5", 2.25", and 2.0". (70mm, 64mm, 57mm and 50mm) 3.5" NH (89mm) swivel inlet coupling is standard.

ER NOZZLES

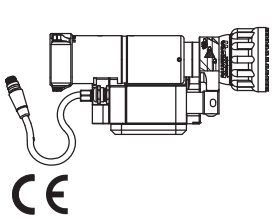
Electrically operated pattern control for use on remote applications. The rugged, aluminum drive is totally enclosed and waterproof. The 12 to 24 volt drive unit draws 3 amps. There is a manual override if the electrical power fails. Water pattern adjusts from straight stream to a 120° wide fog. The nozzle can flush 3/8" (1cm) debris without shutting down. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

When ordering a nozzle for use on TFT RC monitors, order plug version (ERP). ERP versions are equipped with SMART STREAM technology. This technology utilizes a position encoder in the nozzle actuator to give the user greater control of the stream pattern, especially at FOG position. Nozzles equipped with a FLUSH position are programmed to stop and pause at full FOG position when moving towards the FLUSH position, preventing unwanted water flow. A second press of the button will cause the nozzle shaper to continue to move to flush position for removing debris from nozzle. Delivered with a waterproof plug connection for seamless integration with TFT's Tornado RC Monitor.

ULTIMATIC 125 10-125 GPM (40-500 l/min) Automatic

B-TO-ERP
BL-TO-ERP
B-TO-ER
B-TO-ERP-120
B-TO-ERP-150

6.4 lb (2.9kg)
10.25" (26.0cm)



B-TO-ERP ULTIMATIC ELECTRIC REMOTE TIP 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 10-125 gpm (40-500 l/min). The nozzle operates at a standard 100 psi (7 bar). Includes flush without shutting down, molded rubber teeth for full-fill "power fog" pattern. Accepts both FJ-U FOAMJET low-expansion and FJ-UMX FOAMJET multi-expansion foam attachments. 1.5" NH (38mm) swivel coupling is standard. For use on TFT Tornado RC monitor only.

BL-TO-ERP - same as above except 10-100 gpm @ 75psi. (40-380 l/min @ 5 bar)

B-TO-ER* same as above except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

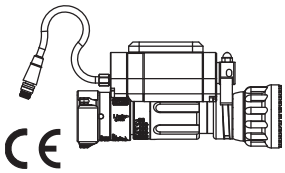
B-TO-ERP-120 - same as above except 10-100 gpm @ 120psi. (40-380 l/min @ 8 bar)

B-TO-ERP-150 - same as above except 10-100 gpm @ 150psi. (40-380 l/min @ 10 bar)

SELECTABLE 15-120 GPM (50-450 l/min) Selectable

B-TOS-ERP
B-TOS-ER

6.0 lb (2.7kg)
9.90" (25.1cm)



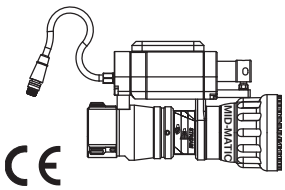
B-TOS-ERP SELECTABLE ELECTRIC REMOTE TIP 1.5" NH (38mm) - Selectable gallonage nozzle is infinitely adjustable between 15 and 120 gpm @ 100 psi (50-450 l/min at 7 bar). Indexed flow settings are provided at 15 gpm and 50 l/min increments. Flow setting may be adjusted without shutting down or locked to a specific setting as desired. Includes flush without shutting down and molded rubber teeth for full-fill "power fog" pattern. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear. Accepts both FJ-U FOAMJET low-expansion and FJ-UMX FOAMJET multi-expansion foam attachments. 1.5" NH (38mm) swivel coupling is standard. For use on TFT Tornado RC monitor only.

B-TOS-ER* same as above except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

MID-MATIC 70 - 200 GPM (260-760 l/min) Automatic

HM-TO-ERP
HM-TO-ER

6.5 lbs (2.9kg)
9.50" (24.0cm)



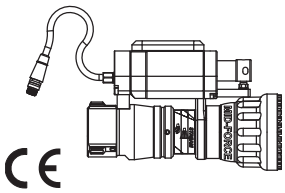
HM-TO-ERP 100 PSI (7 bar) MID-MATIC ELECTRIC REMOTE TIP 1.5" NH (38mm) - Automatic pressure control with a flow capacity of 70-200 gpm (260-760 l/min). The nozzle operates at a standard 100 psi (7 bar). Includes flush without shutting down, molded rubber teeth for full-fill "power fog" pattern. 1.5" NH (38mm) rigid rocker lug coupling is standard. For use on TFT Tornado RC monitor only.

HM-TO-ER* same as above except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

MID-FORCE 70 - 200 GPM (260-760 l/min) Dual Pressure Automatic

HMD-TO-ERP
HMD-TO-ER

6.5 lbs (2.9kg)
9.50" (24.0cm)



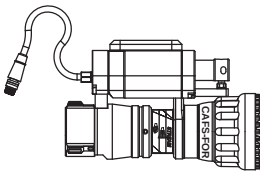
HMD-TO-ERP 100 PSI (7 bar) MID-FORCE ELECTRIC REMOTE TIP 1.5" NH (38mm) - Automatic dual-pressure control with a flow capacity of 70-200 gpm (260-760 l/min). Nozzle may be switched from 100 psi (7bar) and low pressure. Includes flush without shutting down, molded rubber teeth for full-fill "power fog" pattern. 1.5" NH (38mm) rigid rocker lug coupling is standard. For use on TFT Tornado RC monitor only.

HMD-TO-ER* same as above except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

CAFS-FORCE 1 Automatic

HMDC-TO-ERP
HMDC-TO-ER

6.5 lbs (2.9kg)
9.50" (24.0cm)



HMDC-TO-ERP 75 PSI (5 bar) CAFS-FORCE 1 ELECTRIC REMOTE TIP 1.5" NH (38mm) - Automatic pressure control. The CAFS-Force tip features an automatic dual-pressure control with a water flow capacity of 70-200 gpm that may be switched from standard low pressure (water application) to CAFS mode. The nozzle operates at a standard 75 psi (5 bar). Includes flush without shutting down, molded rubber teeth for full-fill "power fog" pattern. 1.5" NH (38mm) rigid rocker lug coupling is standard. For use on TFT Tornado RC monitor only.

HMDC-TO-ER* same as above except with 6 ft of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

Models with * are designed for application on monitors manufactured by others. This is a two wire connection, non terminated, without SMART STREAM technology.

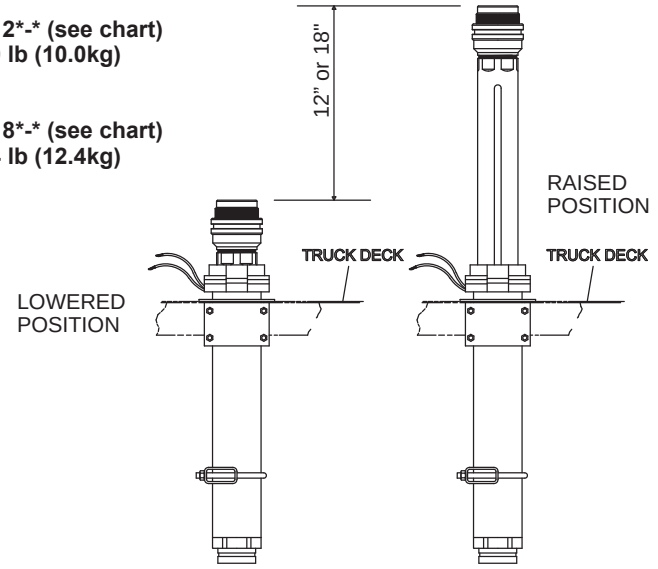
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

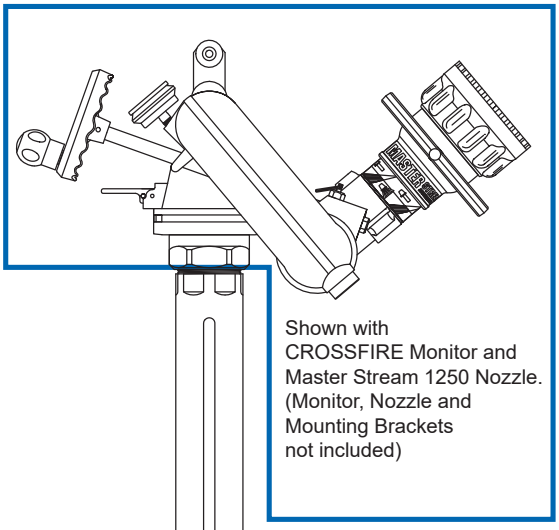
3” Manual Telescoping Waterway

The Extend-A-Gun provides new capabilities for your deck mounted Master Stream device. For storage, it can be lowered to deck level (or even into a monitor well). On the fire ground, the monitor may be raised to its extended position (12 or 18 extra inches)(30.5 or 45.7 extra cm) by lifting the quick release and raising by hand until the non-rotating pipe locks into position. This gives greater clearance of other equipment on the apparatus, greater freedom of movement and allows a more comfortable operating position. The Extend-A-Gun offers a full 3” (75mm) waterway, hardcoat anodized finish, and built-in sensor for connection to “monitor raised” light or truck open compartment warning. Can be specified with new, or retrofitted to existing apparatus.

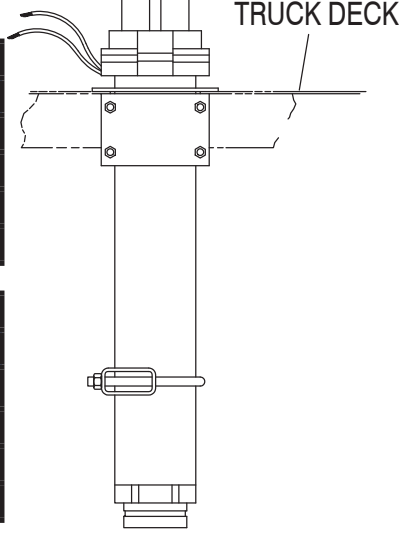
XG12*-* (see chart)
22.0 lb (10.0kg)

XG18*-* (see chart)
27.4 lb (12.4kg)





Shown with CROSSFIRE Monitor and Master Stream 1250 Nozzle. (Monitor, Nozzle and Mounting Brackets not included)



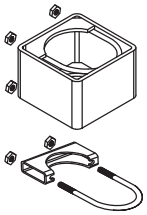
CROSSFIRE OUTLET: ONLY FITS CROSSFIRE MONITOR TOP			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
3" TAPER PIPE MALE (75mm)	XG12PL-XL	12.00" (30.5cm)	
	XG18PL-XL	18.00" (45.7cm)	
3" VICTAULIC (75mm)	XG12VL-XL	12.00" (30.5cm)	
	XG18VL-XL	18.00" (45.7cm)	

OUTLET: 3" NPT (TAPER PIPE MALE) FITS ANY MONITOR TOP			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
3" TAPER PIPE MALE (75mm)	XG12PL-PL	12.00" (30.5cm)	
	XG18PL-PL	18.00" (45.7cm)	
3" VICTAULIC (75mm)	XG12VL-PL	12.00" (30.5cm)	
	XG18VL-PL	18.00" (45.7cm)	

3” **BRACKET SETS**
For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered. Each kit has a different upper bracket. The lower bracket is the same in all three.

XGB-13

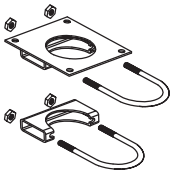
10.2 lbs (4.6kg)



XGB-13
TUBE/SADDLE

XGB-23

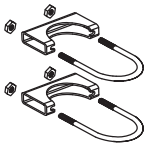
8.2 lbs (3.7kg)



XGB-23
PLATE/SADDLE

XGB-33

5.0 lbs (2.3kg)



XGB-33
SADDLE/SADDLE

BSP: straight British Standard Pipe threads per ISO 228-1:1994 and ISO 228-2:1987
NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)
Victaulic® is a registered trademark of Victaulic® of America

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

EXTEND-A-GUN™ RC3

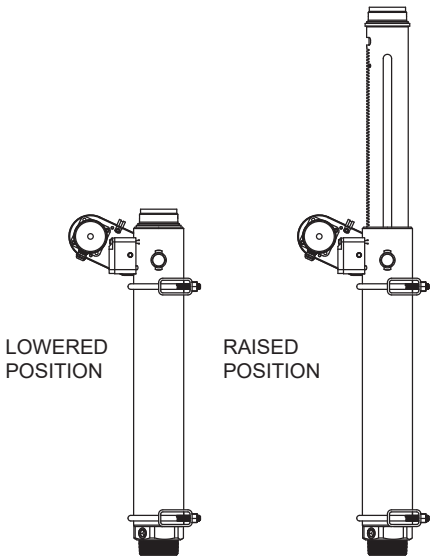
3” Remote Controlled Telescoping Waterway

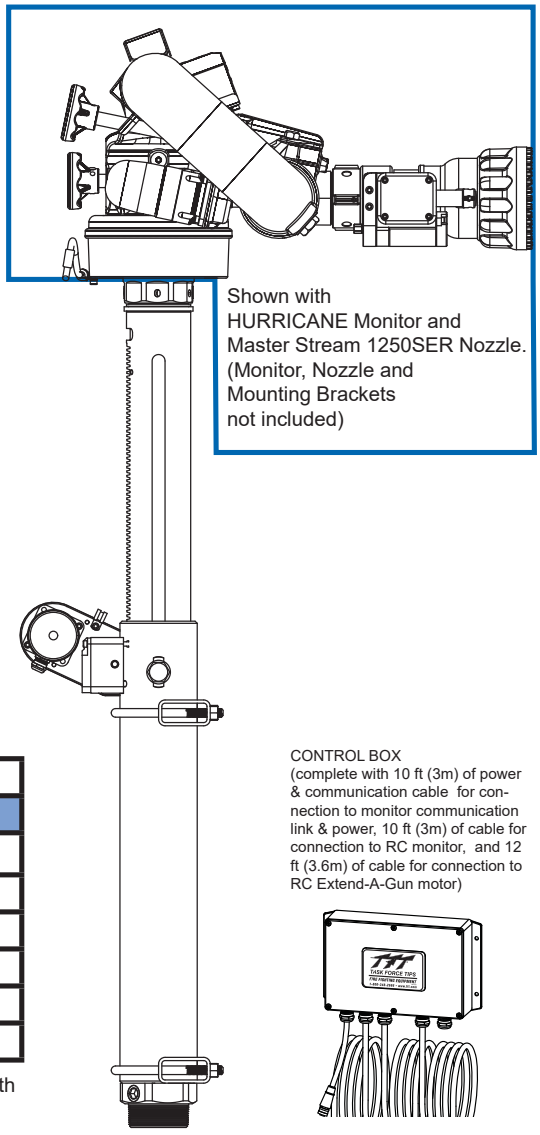
The Extend-A-Gun RC3 lets you lower your deck mounted Master Stream device to deck level for storage (or even into a well). On the fire ground, the monitor can be automatically raised to its extended position (12 or 18 extra inches) (30.5 or 45.7 extra cm) with a simple push of a button. This gives greater clearance of other equipment on the apparatus, greater freedom of movement, and keeps firefighters off the top of the trucks, thus providing a safer operating position. The Extend-A-Gun RC3 offers a 3” (75mm) waterway, and hardcoat anodized aluminum finish. Built-in sensor for connection to “monitor raised” light or truck open compartment warning. Connecting RC Extend-A-Gun motor control box to RC monitor communication link (blue & white wires) allows RC Extend-A-Gun operation from any monitor operator station equipped with monitor up/down button or input. Can be specified with new or retrofitted to existing apparatus. ***NOTE: Extend-A-Gun RC is not compatible with other manufactures monitors. XGA-RP operator station (see page 173) is required if the RC Extend-A-Gun is to be installed with a TFT manual Monitor.***

XGA32*-* (see chart)
12” Extend-A-Gun
26.6 lbs (12kg)

XGA38*-* (see chart)
18” Extend-A-Gun
32 lbs (14.5kg)

CE





Shown with
HURRICANE Monitor and
Master Stream 1250SER Nozzle.
(Monitor, Nozzle and
Mounting Brackets
not included)

TFT CODE-RLM OUTLET*			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
3" BSP (7.6cm)	XGA32BL-RL	12” (30.5cm)	
3" BSP (7.6cm)	XGA38BL-RL	18" (45.7cm)	
3" NPT (7.6cm)	XGA32PL-RL	12” (30.5cm)	
3" NPT (7.6cm)	XGA38PL-RL	18" (45.7cm)	
3" VICTAULIC	XGA32VL-RL	12” (30.5cm)	
3" VICTAULIC	XGA38VL-RL	18" (45.7cm)	

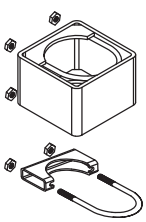
* Fits inlet of Tornado RC, Hurricane RC, Typhoon RC or Monsoon RC monitors with 3” connection code-RLF.

CONTROL BOX
(complete with 10 ft (3m) of power & communication cable for connection to monitor communication link & power, 10 ft (3m) of cable for connection to RC monitor, and 12 ft (3.6m) of cable for connection to RC Extend-A-Gun motor)

3” **BRACKET SETS**
For safe dependable service, the Extend-A-Gun RC3 MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered. Each kit has a different upper bracket. The lower bracket is the same in all three.

XGB-13

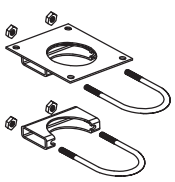
10.2 lbs (4.6kg)



XGB-13
TUBE/SADDLE

XGB-23

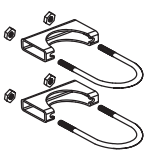
8.2 lbs (3.7kg)



XGB-23
PLATE/SADDLE

XGB-33

5.0 lbs (2.3kg)



XGB-33
SADDLE/SADDLE

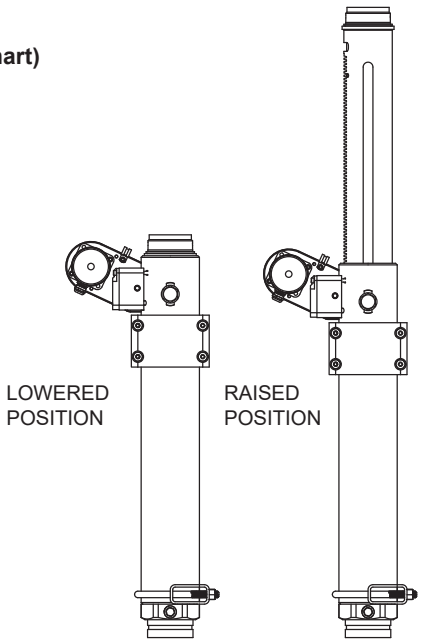
NH: National Hose threads per NFPA 1963 Edition 2003
NPSH: National Pipe Straight Hose threads per ANSI/ASME B1.20.7-1991 (R1998)
NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

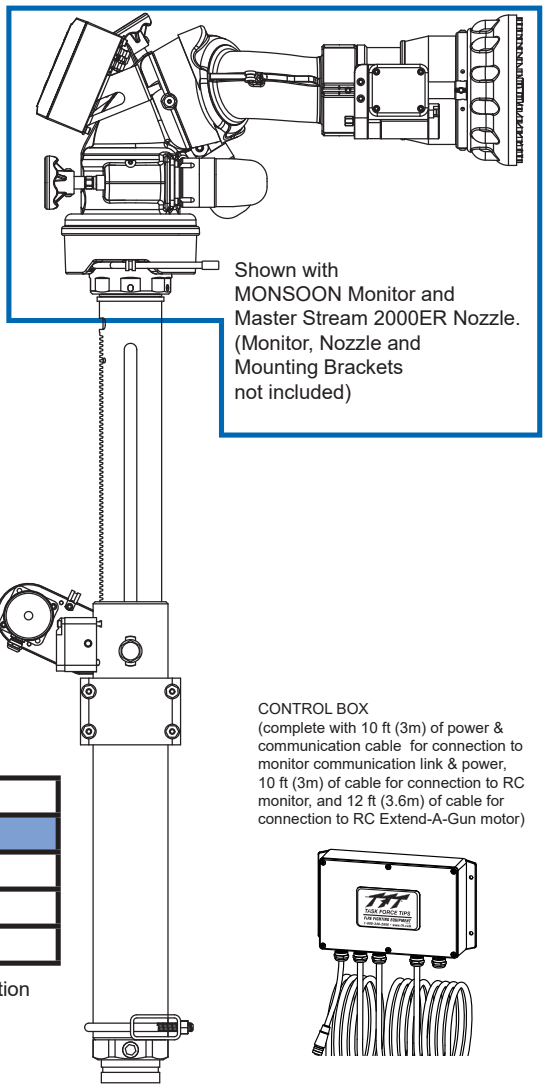
EXTEND-A-GUN™ RC4

4” Remote Controlled Telescoping Waterway

The Extend-A-Gun RC4 lets you lower your deck mounted Master Stream device to deck level for storage (or even into a well). On the fire ground, the monitor can be automatically raised to its extended position (18 extra inches or 45.7 extra cm) with a simple push of a button. This gives greater clearance of other equipment on the apparatus, greater freedom of movement, and keeps firefighters off the top of the trucks, thus providing a safer operating position. The Extend-A-Gun RC4 offers a 4” (100mm) waterway, and hardcoat anodized aluminum finish. Built-in sensor for connection to “monitor raised” light or truck compartment operator warning system. Connecting RC Extend-A-Gun motor control box to RC monitor communication link (blue & white wires) allows RC Extend-A-Gun operation from any monitor operator station equipped with monitor up/down button or input. Can be specified with new or retrofitted to existing apparatus.
NOTE: Extend-A-Gun RC is not compatible with other manufactures monitors. XGA-RP operator station (see page 173) is required if the RC Extend-A-Gun is to be installed with a TFT manual Monitor.

XGA48*-* (see chart)
47 lbs (21.3 kg)





Shown with MONSOON Monitor and Master Stream 2000ER Nozzle. (Monitor, Nozzle and Mounting Brackets not included)

CONTROL BOX
(complete with 10 ft (3m) of power & communication cable for connection to monitor communication link & power, 10 ft (3m) of cable for connection to RC monitor, and 12 ft (3.6m) of cable for connection to RC Extend-A-Gun motor)

TFT CODE-RPM OUTLET*			
INLET	**MODEL#**	**EXTENSION**	**PRICE**
4" BSP (10cm)	XGA48BP-RP	18" (45.7cm)	
4" NPT (10cm)	XGA48PP-RP	18" (45.7cm)	
4" VICTAULIC	XGA48VP-RP	18" (45.7cm)	

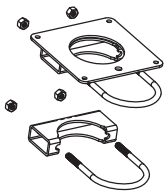
* Fits inlet of Hurricane RC, Typhoon RC or Monsoon RC monitors with 4” connection code-RPF.

4” **BRACKET SETS**
For safe dependable service, the Extend-A-Gun RC4 MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, the 4” mounting brackets come in two styles. Each kit has a different upper bracket. The lower bracket is the same for both.

XGB-43

17.8 lbs (8.1kg)

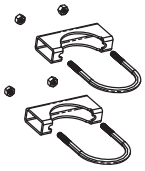
XGB-43
PLATE/SADDLE



XGB-53

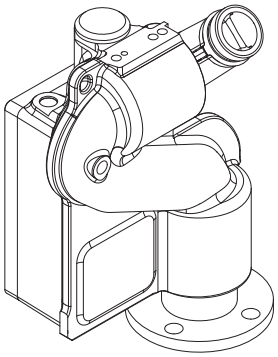
11.4 lbs (5.1kg)

XGB-53
SADDLE/SADDLE



BSP: straight British Standard Pipe threads per ISO 228-1:1994 and ISO 228-2:1987
NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)
Victaulic® is a registered trademark of Victaulic® of America

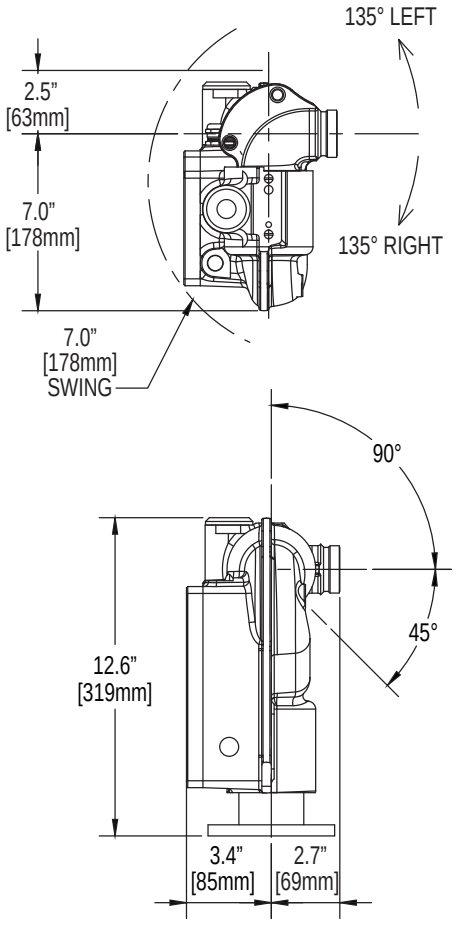
The EF1 RC monitor is extremely compact, yet it has a large 1-½ inch waterway, capable of flowing up to 200 gpm, making it the ideal forestry bumper turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 200 gpm (757 l/min). Elevation range is 90° above horizontal to 45° below. Field changeable elevation travel stops at 45 ° above and 20° below horizontal. Horizontal travel is 270° (135° either side of a center position). Field changeable horizontal travel stops to give 180° (90° either side of a center position). Designed for 12 VDC or 24 VDC operation, selection is automatic. The EF1 RC monitor comes with controls for monitor horizontal rotation, elevation, nozzle pattern, programmable PARK and Oscillate. The motor control circuits use position encoders and current limiting to protect the drive train at the ends of travel. Unit has waterproof factory installed plug on power wire for easy removal or reinstallation. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Various inlets are available. Contact factory for details about wireless operation.



Y1-E11A

17.0 lb (7.7kg)

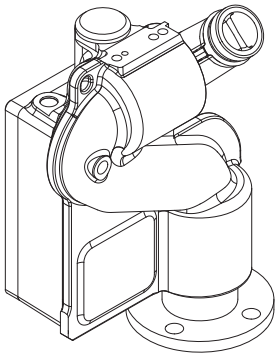
SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



When ordering a EF1 RC monitor, choose one option from each category. Example: Y1-E11A is an tiller monitor with 1.5" NH Female inlet and 1.5"-11 BSP male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

Y1-E			A
	Inlet 2) 1.5" BSPT Female 3) 1.5" ANSI 150 4) 1.5" NPT Female 6) 2.0" BSPT Female 7) 2.0" ANSI 150 8) 2.0" NPT Female	Outlet 1) 1.5"-11 BSP Male 2) 1.5"-9 NH Male 3) 1.5" NPSH Male	

Forestry Monitor Package Ordering Worksheet



EF1 RC

Page 146

Rated to 200 gpm with a maximum operating pressure of 200 psi, the EF1 RC is a remotely controlled truck mounted monitor with electric remote control of rotation and elevation angle. The EF1 RC has an electronically operated 270° horizontal rotational travel, user installed travel limit stops, stainless steel worm gear drive, and grease zerk fittings for easy service and lubrication. The discharge elbow includes an integral stream straightener. The monitor is constructed of hard coat anodized aluminum alloy and has a silver powder coat finish inside and out.

NOZZLE CHOICES

B-TOS-ERP — 1.5” NH
100 PSI SELECTABLE ER TIP
Flow Capacity of 15-120 gpm

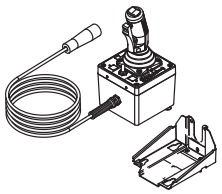
B-TO-ERP — 1.5” NH
100 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

B-TO-ERP-120 — 1.5” NH
120 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

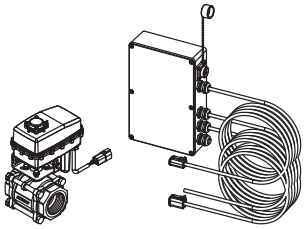
B-TO-ERP-150 — 1.5” NH
150 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

BL-TO-ERP — 1.5” NH
75 PSI ULTIMATIC ER TIP
Flow Capacity of 10-100 gpm

GATEABLE JOYSTICKCONTROLS

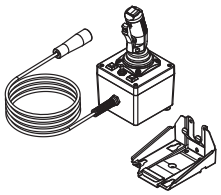


Y4E-JS-GT
Joystick Monitor Operator Station With Gateable Valve Control
- Page 178

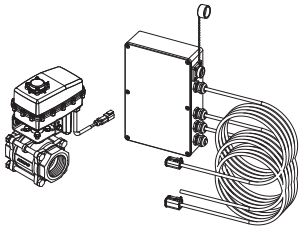


YE-VKG-PF
Heavy-duty 1.5” Gateable Water Valve and Interface Box
- Page 154

NON-GATEABLE JOYSTICK CONTROLS



Y4E-JS-52
Joystick Monitor Operator Station With Valve Control
- Page 178



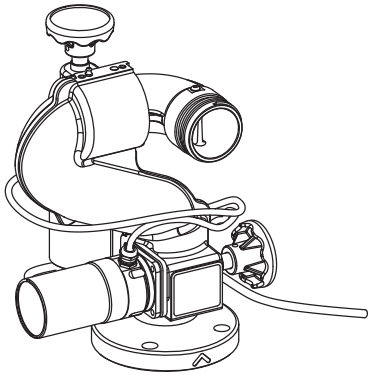
YE-VK-PF
Heavy-duty 1.5” Water Valve and Interface Box
- Page 155

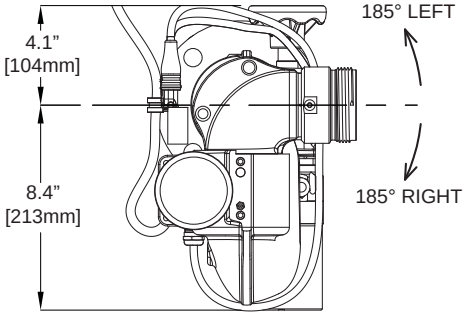
TORNADO LT™

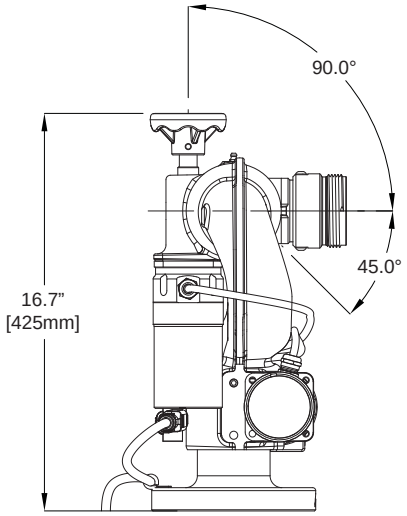
Remote Controlled Monitor

The Tornado RC LT is very compact, yet it has a large 2-¼ inch waterway, capable of flowing up to 500 gpm, making it the ideal bumper turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 500 gpm (1900 l/min). Elevation range is 90° above horizontal to 45° below. Field changeable elevation travel stops at 45 ° above and 20° below horizontal. Horizontal travel is 370° (185° either side of a center position). Field changeable horizontal travel stops to give 180° (90° either side of a center position). Designed for 12 VDC or 24 VDC operation, selection is automatic. The motor control circuits use position encoders and current limiting to protect the drive train at the ends of travel. Unit has waterproof factory installed plug on power wire for easy removal or reinstallation. Knobs for manual override are provided on the horizontal rotation and elevation drive. Electric drives and enclosure box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Various inlets are available. Contact factory for details.

Y4E-JS-LT or Y4E-JS-GT
Joystick Monitor Operator Station With Valve Control Must Be Ordered And Installed.







Y2-E11A-LT CE

25.0 lb. (11.4kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

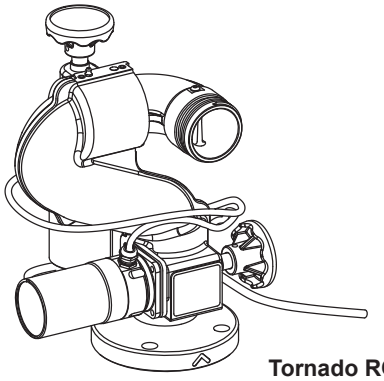
See Page 178 for LED Integrated Lighting Kit.

When ordering a Tornado RC LT monitor, choose one option from each category. Example: Y2-E61A-LT is an electric monitor with 2.5" ANSI 150 flange inlet and 2.5" NH male threaded exit. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist.

Y2-E

		A	-LT
Inlet **1)** 2.5"-7.5 NH Female§ 2) 2.5"-11 BSPT Female 3) 2.0"-11 BSPT Female 5) DN80, PN16 6) 2.5" ANSI 150 7) 2.5"-8 NPT Female 8) 2.0"-11.5 NPT Female 9) 3.0" -8 NPT Female 0) 3.0" ANSI 150 Rigid F) 2.5" ANSI 150 Rigid	Outlet **1)** 2.5"-7.5 NH Male 2) 2.5"-11 BSP Male 3) 1.5"-11 BSP Male 4) 1.5"-9 NH Male 8) Special 1.5" 9) Special 2.5"		

Tornado RC LT Package Ordering Worksheet



Tornado RC LT

Page 148

Rated to 500 gpm with a maximum operating pressure of 200 psi, the Tornado LT is a remotely controlled truck mounted monitor with electric remote control of rotation and elevation angle. The Tornado has an electronically operated 370° horizontal rotational travel, user installed travel limit stops, stainless steel worm gear drive, and grease zerk fittings for easy service and lubrication. The discharge elbow includes an integral stream straightener. The monitor is constructed of hard coat anodized aluminum alloy and has a silver powder coat finish inside and out.

NOZZLE CHOICES

B-TOS-ERL — 1.5” NH
100 PSI SELECTABLE ER TIP
Flow Capacity of 15-120 gpm

B-TO-ERL — 1.5” NH
100 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

B-TO-ERL-120 — 1.5” NH
120 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

B-TO-ERL-150 — 1.5” NH
150 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

BL-TO-ERL — 1.5” NH
75 PSI ULTIMATIC ER TIP
Flow Capacity of 10-100 gpm

MD-ERL-18A — 2.5” NH
100 PSI MAX-MATIC ER TIP
Flow Capacity of 100-500 gpm

Page 134

HM-TO-ERL — 1.5” NH
100 PSI MID-MATIC ER TIP
Flow Capacity of 70-200 gpm

HMD-TO-ERL— 1.5” NH
100/55 PSI MID-FORCE ER TIP
Flow Capacity of 70-200 gpm

HMDC-TO-ERL — 1.5” NH
75 PSI CAFS-FORCE ER TIP
Water/CAFS 70-200 gpm

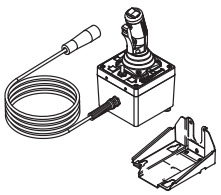
MD-ERL-14A — 2.5” NH
100 PSI MAX-FLOW ER TIP
Fixed Orifice Tip - 500 gpm

Page 134

MD-ERL-12A — 2.5” NH
100/55 PSI MAX-FORCE ER TIP
Flow Capacity of 100-500 gpm

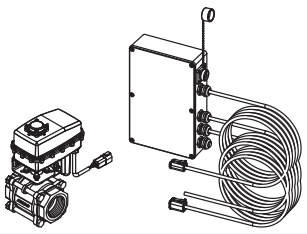
Page 134

GATEABLE JOYSTICKCONTROLS



Y4E-JS-LT-GT
Joystick Monitor Operator Station With Gateable Valve Control

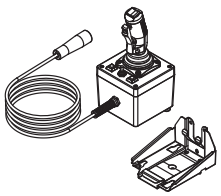
- Page 178



YE-VKG-PH
Heavy-duty 2” Gateable Water Valve and Interface Box

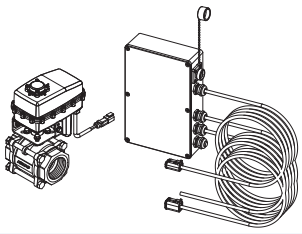
- Page 155

NON-GATEABLE JOYSTICK CONTROLS



Y4E-JS-LT
Joystick Monitor Operator Station With Valve Control

- Page 178



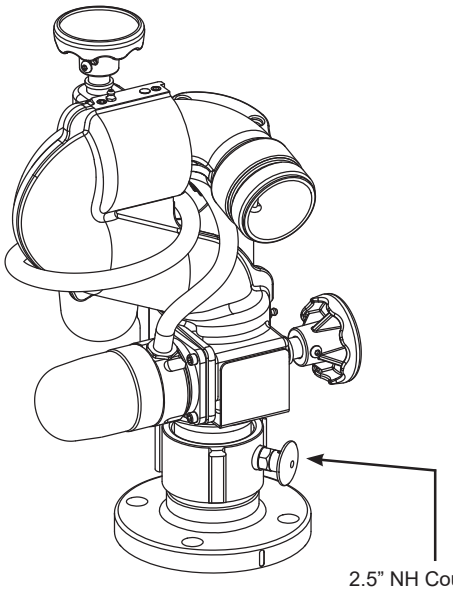
YE-VK-PH
Heavy-duty 2” Water Valve and Interface Box

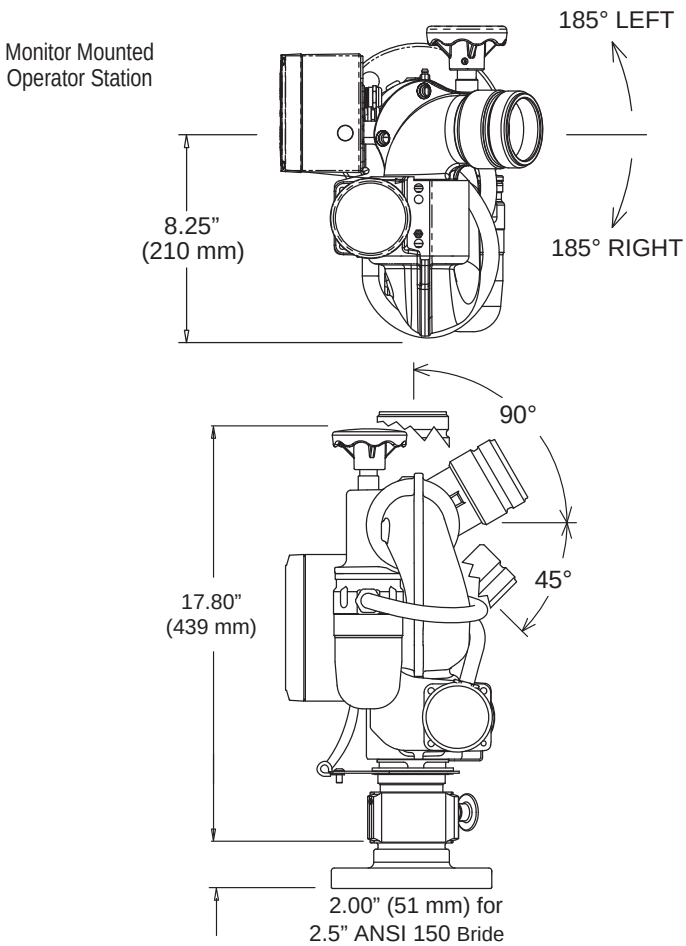
- Page 154

Tornado RC Package Ordering Worksheet

The Tornado RC is very compact, yet it has a large 2-¼ inch waterway, capable of flowing up to 500 gpm, making it the ideal bumper turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 500 gpm (1900 l/min). Elevation range is 90° above horizontal to 45° below. Field changeable elevation travel stops at 45 ° above and 20° below horizontal. Horizontal travel is 370° (185° either side of a center position). Field changeable horizontal travel stops to give 180° (90° either side of a center position). Designed for 12 VDC or 24 VDC operation, selection is automatic. The Tornado RC comes with a control panel on the monitor for horizontal rotation, elevation, nozzle pattern, programmable PARK and Oscillate. See page 157-159 for additional control stations. The motor control circuits use position encoders and current limiting to protect the drive train at the ends of travel. Unit has waterproof factory installed plug on power wire for easy removal or reinstallation. Knobs for manual override are provided on the horizontal rotation and elevation drive. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Various inlets are available. Locking quick connect inlets and outlets allows for quick removal of the Tornado for installations such as bumper mounting, where the monitor must be removed to tilt the cab of the truck. For wireless operation, purchase wireless operator station and radio/antenna on page 177

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details..





Y2-E11A

25.0 lb. (11.4kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

See Page 178 for LED Integrated Lighting Kit.

See pages 122 & 130 for ER nozzle choices

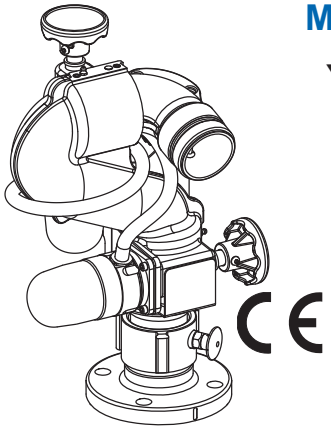
When ordering a Tornado RC monitor, choose one option from each category. Example: Y2-E61A is an electric monitor with 2.5” ANSI 150 flange inlet and 2.5” NH male threaded exit. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist.

Y2-E

		A	
Inlet **1)** 2.5"-7.5 NH Female§ 2) 2.5"-11 BSP Female 3) 2.0"-11 BSP Female 5) DN80, PN16 6) 2.5" ANSI 150 7) 2.5"-8 NPT Female 8) 2.0"-11.5 NPT Female 9) 3.0" -8 NPT Female 0) 3.0" ANSI 150 L) TFT Code-RLF* V) VUM Flange**	Outlet **1)** 2.5"-7.5 NH Male 2) 2.5"-11 BSP Male 3) 1.5"-11 BSP Male 4) 1.5"-9 NH Male 8) Special 1.5" 9) Special 2.5" *Code-RLF fits Extend-A-Gun RC3 §No inlet adapter ** Fits VUM, IVUM, HUM and OUM		Optional -Z) Industrial Model with American Red powdered coat (omit for standard silver models)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Remote Controlled Monitor



MONITOR CHOICES

Y2-E | | **A**

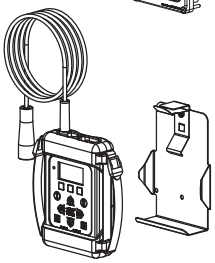
Inlet	Outlet
1) 2.5"-7.5 NH Female§	**1)** 2.5"-7.5 NH Male
2) 2.5"-11 BSP Female	2) 2.5"-11 BSP Male
3) 2.0"-11 BSP Female	3) 1.5"-11 BSP Male
5) DN80, PN16	4) 1.5"-9 NH Male
6) 2.5" ANSI 150	8) Special 1.5"
7) 2.5"-8 NPT Female	9) Special 2.5"
8) 2.0"-11.5 NPT Female	*Code-RLF fits Extend-A-Gun RC3
9) 3.0" -8 NPT Female	§No inlet adapter
0) 3.0" ANSI 150	** Fits VUM, IVUM, HUM and OUM
L) TFT Code-RLF*	
V) VUM Flange**	

Rated to 500 gpm with a maximum operating pressure of 200 psi, the Tornado is a remotely controlled truck mounted monitor with electric remote control of rotation and elevation angle. The Tornado has an electronically operated 370° horizontal rotational travel, user installed travel limit stops, stainless steel worm gear drive, and grease zerk fittings for easy service and lubrication. The discharge elbow includes an integral stream straightener. The monitor is constructed of hard coat anodized aluminum alloy and has a silver powder coat finish inside and out.

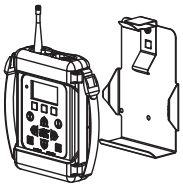
CONTROLLER CHOICES



Y4E-RP-D
Panel Mount Monitor Operator Station with Display
Page 175



Y4E-CT-30-D
30' Tethered Monitor Operator Station with Display
- Page 176



YE-RF-900-D
Wireless Monitor Operator Station with Display
Page 176

NOZZLE CHOICES

B-TOS-ERP — 1.5" NH
100 PSI SELECTABLE ER TIP
Flow Capacity of 15-120 gpm

B-TO-ERP — 1.5" NH
100 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

B-TO-ERP-120 — 1.5" NH
120 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

B-TO-ERP-150 — 1.5" NH
150 PSI ULTIMATIC ER TIP
Flow Capacity of 10-125 gpm

BL-TO-ERP — 1.5" NH
75 PSI ULTIMATIC ER TIP
Flow Capacity of 10-100 gpm

MD-ERP-18A — 2.5" NH
100 PSI MAX-MATIC ER TIP
Flow Capacity of 100-500 gpm

Page 136

HM-TO-ERP — 1.5" NH
100 PSI MID-MATIC ER TIP
Flow Capacity of 70-200 gpm

HMD-TO-ERP — 1.5" NH
100/55 PSI MID-FORCE ER TIP
Flow Capacity of 70-200 gpm

HMDC-TO-ERP — 1.5" NH
75 PSI CAFS-FORCE ER TIP
Water/CAFS 70-200 gpm

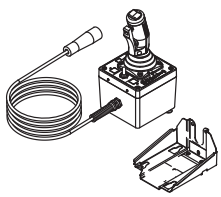
MD-ERP-14A — 2.5" NH
100 PSI MAX-FLOW ER TIP
Fixed Orifice Tip - 500 gpm

Page 136

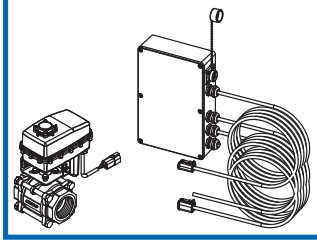
MD-ERP-12A — 2.5" NH
100/55 PSI MAX-FORCE ER TIP
Flow Capacity of 100-500 gpm

Page 136

GATEABLE JOYSTICKCONTROLS

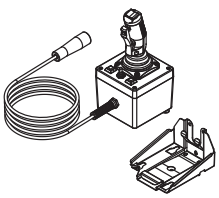


Y4E-JS-GT
Joystick Monitor Operator Station With Gateable Valve Control
- Page 178

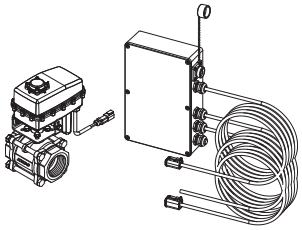


YE-VKG-PH
Heavy-duty 2" Gate-able Water Valve and Interface Box
- Page 155

NON-GATEABLE JOYSTICK CONTROLS



Y4E-JS-52
Joystick Monitor Operator Station With Valve Control
- Page 178



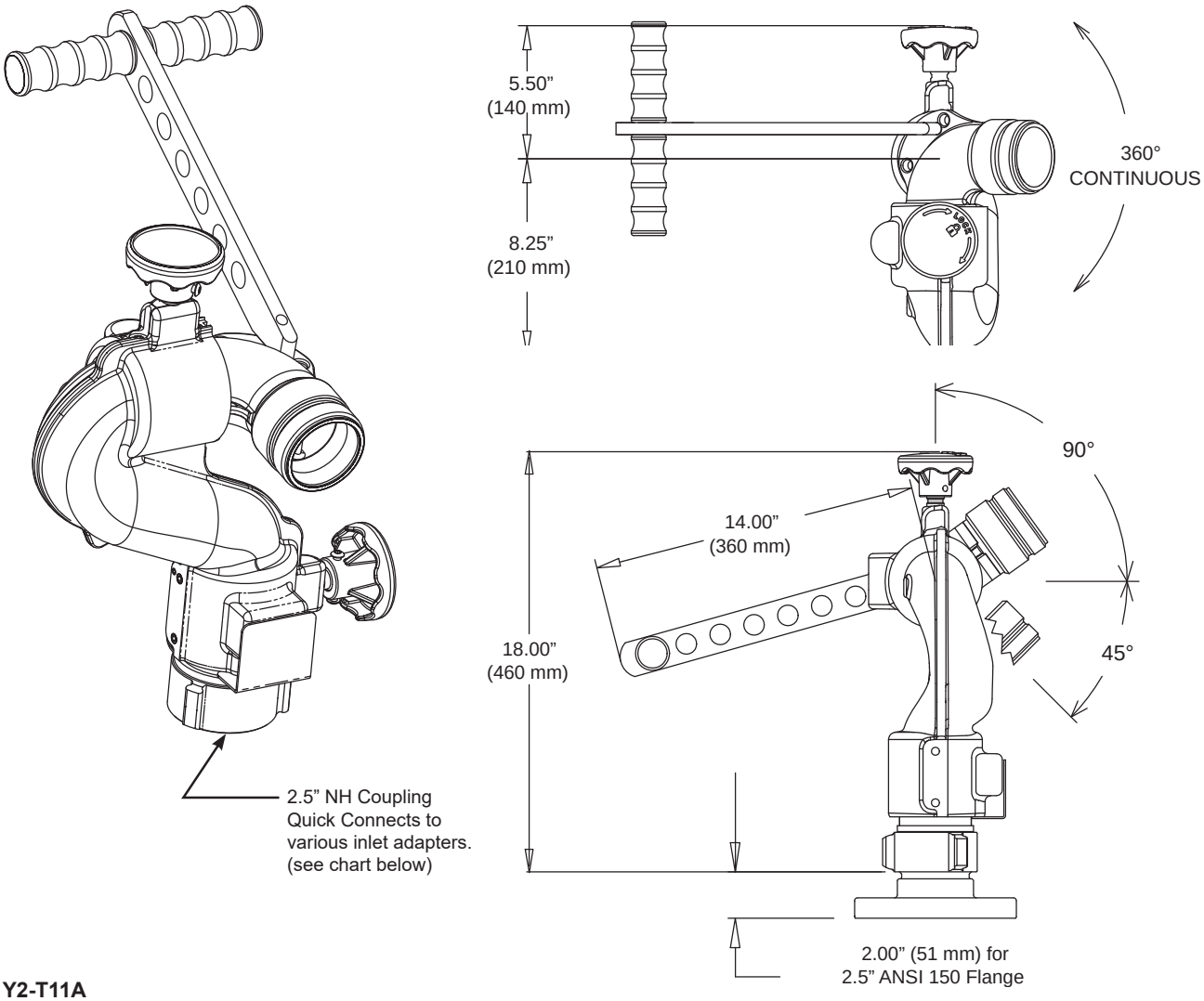
YE-VK-PH
Heavy-duty 2" Water Valve and Interface Box
- Page 154

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

TORNADO®

Bumper Monitor

The Tornado is very compact, yet it has a large 2-¼ inch waterway, capable of flowing up to 500 gpm, making it the ideal manual turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 500 gpm (1900 l/min). Elevation range is 90 degrees above horizontal to 45 degrees below. Has 360 degree continuous horizontal rotation. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Various inlets are available.



Y2-T11A
12.0 lb (5.5kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

Y2-T ____ ____ **A**

Inlet	Outlet
1) 2.5"-7.5 NH Female§ 2) 2.5"-11 BSP Female 3) 2.0"-11 BSP Female 5) DN80, PN16 6) 2.5" ANSI 150 7) 2.5"-8 NPT Female 8) 2.0"-11.5 NPT Female 9) 3.0" -8 NPT Female 0) 3.0" ANSI 150 L) TFT Code-RLF* V) VUM Flange**	**1)** 2.5"-7.5 NH Male 2) 2.5"-11 BSP Male 3) 1.5"-11 BSP Male 4) 1.5"-9 NH Male 8) Special 1.5" 9) Special 2.5"
	*Code-RLF fits Extend-A-Gun RC3 §No inlet adapter ** Fits VUM, IVUM, HUM and OUM

When ordering a Tornado monitor, choose one option from each category. Example: Y2-T61A is an tiller monitor with 2.5" ANSI 150 inlet and 2.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

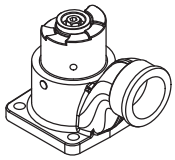
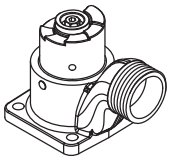
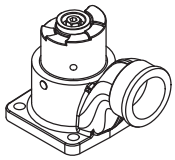
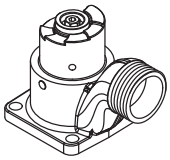
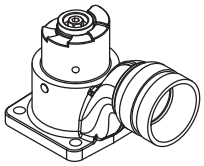
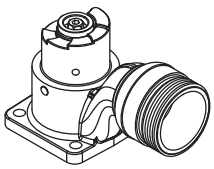
A18 Series - PRESSURE RELIEF VALVE - TFT's Pressure Relief Valve operates in an adjustment range from 90 to 300 psi (6 to 21 bar) with easy to see increments of 90, 125, 150, 200, 250, and 300 psi. Each pressure relief valve includes an OFF position. The pressure relief valve is NFPA 1901-2009 compliant. The aluminum casting is hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. For direct use on pump flanges, the TFT pressure relief valve works with Darley, Waterous, or Hale bolt hole patterns. Relief valves are available with 2-inch male pipe thread, 2.5-inch male NH thread, or 2.5-inch Victaulic® connection on the discharge spout. Available adapters include 2.5" and 3" NPT male and female threaded inlets for mounting the TFT pressure relief valve to plumbing. Add 1.5 inches to depth for models A1850 and A1860.

A18**

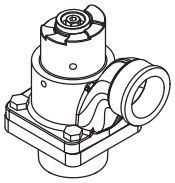
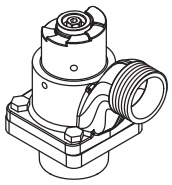
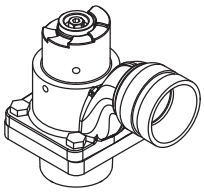
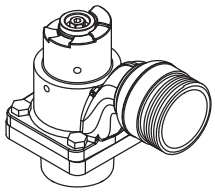
3.0 lb (1.4kg)
4.50" (11.4cm) Height
4.50" (11.4cm) Width
6.50" (16.5cm) Depth

A18**

4.4 lb (2.0kg)
4.50" (11.4cm) Height
4.50" (11.4cm) Width
8.00" (20.3cm) Depth

Model	Part Number	Discharge
 Waterous/Hale (TFT Standard)	A1810	Plain
 Waterous/Hale	A1820	2 inch Male Pipe (NPT)
 Darley	A1830	Plain
 Darley	A1840	2 inch Male Pipe (NPT)
 Waterous/Hale	A1850	2.5 inch Victaulic Connection
 Waterous/Hale	A1860	2.5 inch NH Male

WITH PIPE THREADED INLET

Discharge	National Pipe Thread Inlet			
	2.5 Inch Male Pipe	2.5 Inch Female Pipe	3.0 Inch Male Pipe	3.0 Inch Female Pipe
 Plain	A1811	A1812	A1813	A1814
 2.0 Inch NPT Male	A1821	A1822	A1823	A1824
 2.5 Inch Victaulic	A1856	A1857	A1858	A1859
 2.5 Inch NH Male	A1866	A1867	A1868	A1869

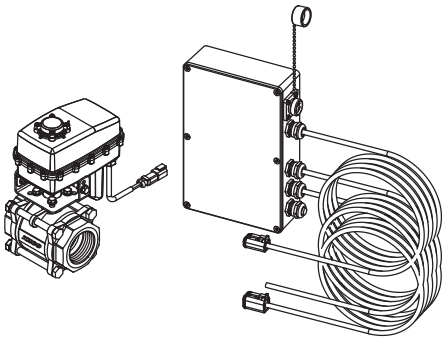
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VALVE KITS

*Valve operation is controlled through the **Y4E-JS-52 Joystick Monitor Operator Station** or the flow open/close button on any TFT monitor operator station membrane switch. The interface box includes pre-wired 20' cables with receptacles for monitor and water valve plug connections, a 15' cable for power connection to monitor control system, a panel-mounted receptacle with cap for the Y4E-JS-52 Joystick Monitor Operator Station connection, and an unused strain relief fitting for an additional operator station cable. The interface box and all fittings are sealed to keep water out so that it can be mounted outside the truck cab in a convenient location for connections to components.*

YE-VK-PF

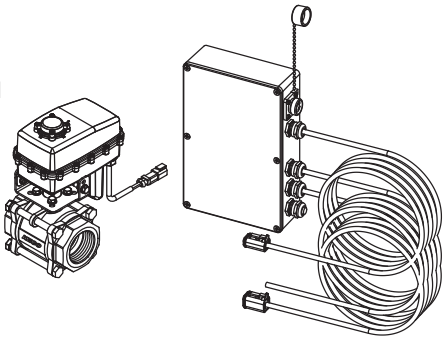
8.5 lbs (3.8 kg)
4.80"L x 7.10"W x 9.40"H
(12.2 x 18.0 x 23.9cm)



YE-VK-PF - VALVE KIT This valve kit includes a heavy-duty 1 ½" NPT water valve and an interface box for simplified 12/24 volt wire connections to the monitor control system. The valve is a 1 ½" NPT full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug.

YE-VK-PH

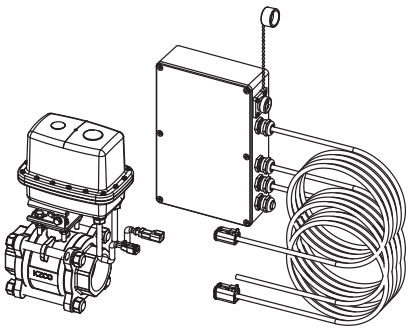
9.0 lb (4.0kg)
5.40"L x 7.10"W x 10.0"H
(13.7 x 18.0 x 25.4cm)



YE-VK-PH - VALVE KIT This valve kit includes a heavy-duty 2" NPT water valve and an interface box for simplified 12/24 volt wire connections to the monitor control system. The valve is a 2" NPT full port stainless steel ball valve with integral electric actuator control and cable with pre-wired plug.

YE-VK-PJ

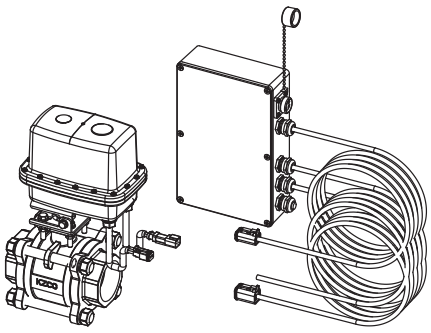
23.0 lbs (13.2 kg)
6.70"L x 8.60"W x 13.70"H
(17.0 x 21.8 x 34.8 cm)



YE-VK-PJ - VALVE KIT This valve kit includes a heavy-duty 2 ½" NPT water valve and an interface box for simplified 12/24 volt wire connections to the monitor control system. The valve is a 2 ½" NPT full port stainless steel ball valve with integral electric actuator control and cables with pre-wired plugs.

YE-VK-PL

29.0 lbs (13.2 kg)
7.40"L x 8.90"W x 14.30"H
(18.8 x 22.6 x 36.3 cm)



YE-VK-PL - VALVE KIT This valve kit includes a heavy-duty 3" NPT water valve and an valve interface control box for simplified 12/24 volt wire connections to the monitor control system. The valve is a 3" NPT full port stainless steel ball valve with integral electric actuator control and cables with pre-wired plugs.

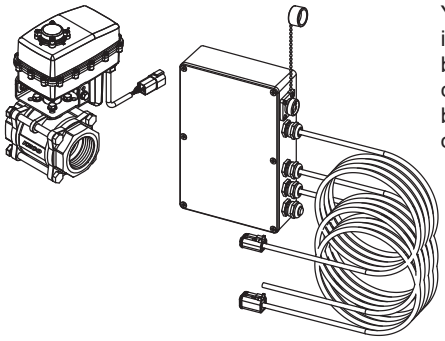
Valve Interface Control Box
Weight 7.0 lb (3.1kg)
Overall Dimensions:
L 8.80" (22.4cm) x W 5.80" (14.7cm) x H 2.20" (5.6cm)
(Additional clearance needed for fittings and cable)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

*Valve operation is controlled through the **Y4E-JS-GT Joystick Monitor Operator Station** or the flow open/close button on any TFT monitor operator station membrane switch. The interface box includes pre-wired 20' cables with receptacles for monitor and water valve plug connections, a 15' cable for power connection to monitor control system, a panel-mounted receptacle with cap for the Y4E-JS-GT Joystick Monitor Operator Station connection, and an unused strain relief fitting for an additional operator station cable. The interface box and all fittings are sealed to keep water out so that it can be mounted outside the truck cab in a convenient location for connections to components. See page 158.*

YE-VKG-PD

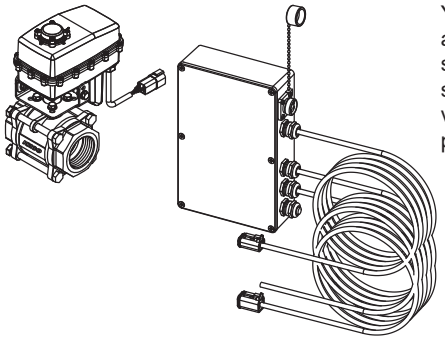
8.5 lbs (3.8 kg)
4.80"L x 7.10"W x 8.40"H
(12.2 x 18.0 x 23.9cm)



YE-VKG-PD - GATEABLE VALVE KIT - This valve kit includes a heavy-duty 1" NPT water valve and an interface box for simplified 12/24 volt wire connections to the monitor control system. The valve is a 1" NPT full port stainless steel ball valve with integral electric actuator control with valve opening position sensing and cable with pre-wired plug.

YE-VKG-PF

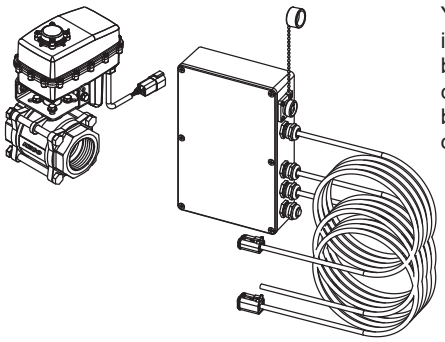
9.0 lb (4.0kg)
4.80"L x 7.10"W x 9.40"H
(13.7 x 18.0 x 25.4cm)



YE-VKG-PF - GATEABLE VALVE KIT - This valve kit includes a heavy-duty 1.5" NPT water valve and an interface box for simplified 12/24 volt wire connections to the monitor control system. The valve is a 1.5" NPT full port stainless steel ball valve with integral electric actuator control with valve opening position sensing and cable with pre-wired plug.

YE-VKG-PH

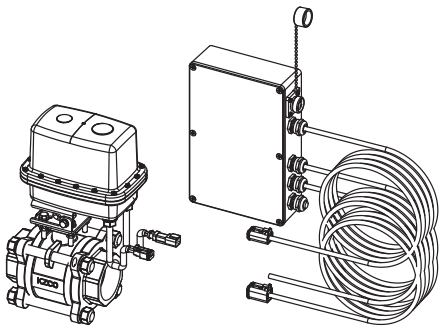
9.0 lb (4.0kg)
5.40"L x 7.10"W x 10.0"H
(13.7 x 18.0 x 25.4cm)



YE-VKG-PH - GATEABLE VALVE KIT - This valve kit includes a heavy-duty 2" NPT water valve and an interface box for simplified 12/24 volt wire connections to the monitor control system. The valve is a 2" NPT full port stainless steel ball valve with integral electric actuator control with valve opening position sensing and cable with pre-wired plug.

YE-VKG-PL

33.5 lb (15.2kg)
5.40"L x 21.0"W x 14.3"H
(13.7 x 21.0 x 36.2cm)



YE-VKG-PL - GATEABLE VALVE KIT - This valve kit includes a heavy-duty3" NPT water valve and an interface box for simplified 12/24 volt wire connections to the monitor control system. The valve is a 3" NPT full port stainless steel ball valve with integral electric actuator control with valve opening position sensing and cable with pre-wired plug

HURRICANE

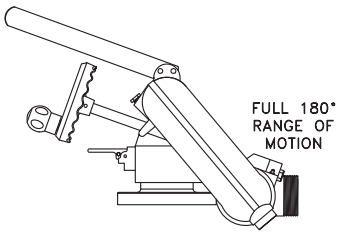
Fixed Station Monitor - Up to 1250 GPM

The Task Force Tips' Hurricane is a durable, industrial, high-capacity fixed monitor. The Hurricane has high flow and low friction loss characteristics. The red powder coat finish (inside and out), and stainless steel elevation drive make the Hurricane one appliance that can stand up to tough service environments. The Hurricane is capable of flowing 1250 gpm (4500 l/min) while maintaining a FULL 360° rotational ability. The lever-action rotational lock is activated in one motion, visually confirmed, and securely holds the Hurricane in position. A built-in automatic drain protects the monitor from freezing. The placement of grease zerks allows the Hurricane monitor to be quickly and easily serviced and lubricated, and a threaded port (.25" NPT)(6mm) is provided for a pressure gauge. The Hurricane is made from hard anodized ANSI A356-T6 aluminum. The Hurricane industrial monitor comes with our exclusive 5-year warranty.

Red powder coat finish inside and out is standard. To Replace polymer handwheel controls with optional aluminum crank -Z is added to the end of the model number.

XFI-FLNJ

19.6 lb (8.9kg)



XFI-FLNJ MONITOR
3" ANSI (75mm), 150 flange inlet,
4 bolts, 2.5" NH (64mm) outlet.

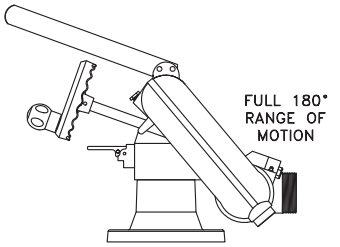
FM APPROVED



Optional
Aluminum Crank Handle

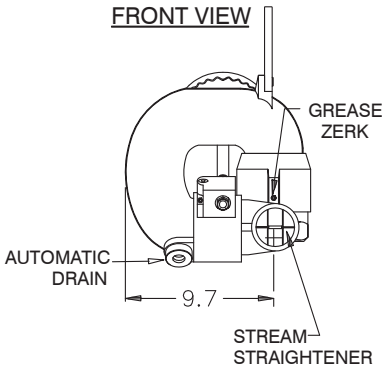
XFI-FPNJ

22.2 lb (10.1kg)



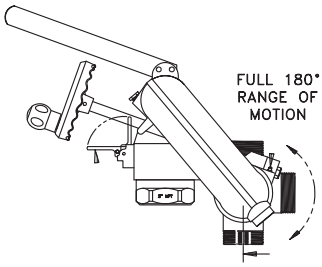
XFI-FPNJ MONITOR
4" ANSI (100mm), 150 flange inlet,
8 bolts, 2.5" NH (65mm) outlet.

FM APPROVED



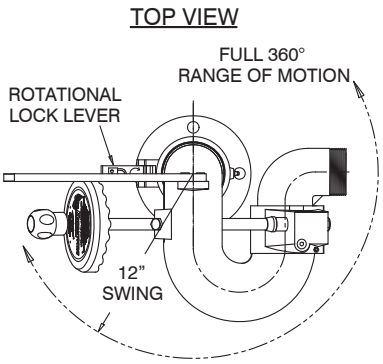
XFI-PLNJ

18.2 lb (8.3kg)



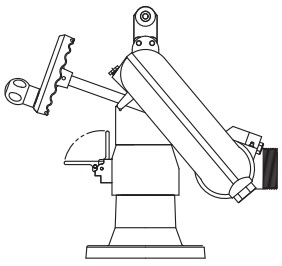
XFI-PLNJ MONITOR
3" (75mm) female NPT inlet,
2.5" NH (65mm) outlet.

FM APPROVED



XFIE-FLNJ
3" Flange
Extended

21.0 lb (9.5kg)



XFIE-FLNJ MONITOR EXTENDED
3" ANSI (75mm), 150 flange inlet,
4 bolts, 2.5"NH (65mm) outlet.

FM APPROVED

XFIE-FPNJ
4" Flange
Extended

22.6 lb (10.3kg)

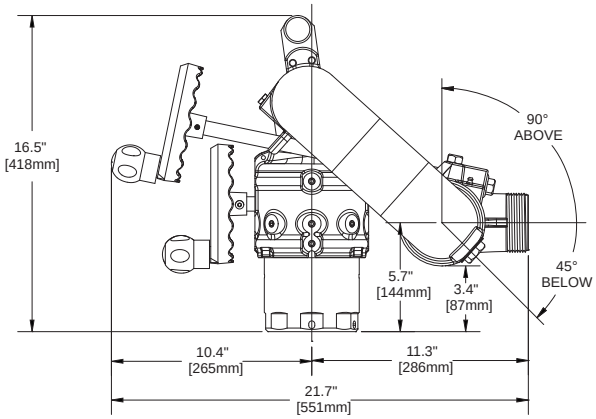
XFIE-FPNJ MONITOR EXTENDED
4" ANSI (100mm), 150 flange inlet,
8 bolts, 2.5"NH (65mm) outlet.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

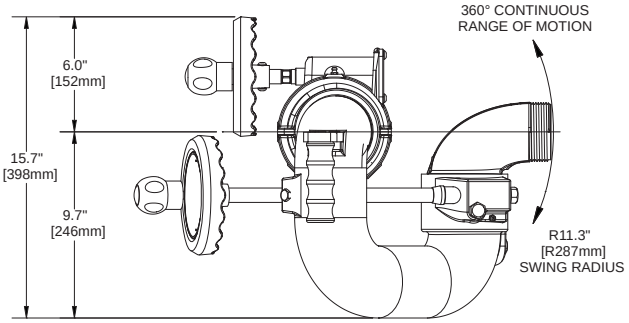
Hurricane Dual Handwheel

The Task Force Tips' Hurricane is a durable, high-capacity industrial fixed monitor with low friction loss characteristics. The silver powder coat finish (inside and out), and stainless steel worm drives allow the Hurricane to withstand tough service environments. The large 3.25" (83mm) waterway will deliver up to 1250 gpm (4500 l/min). Only eleven (11) turns of the handwheel are necessary to change from vertical to the horizontal elevation setting. A built-in automatic drain protects the monitor from freezing. The placement of grease zerks allows the Hurricane monitor to be quickly and easily serviced and lubricated, and a threaded port (.25" NPT) (6mm) is provided for a pressure gauge. 2.5" male NH (65mm) outlet threads are standard. 2.5" male BSP (65mm) threads available on request. The Hurricane is made from hard anodized ANSI A356-T6 aluminum.

Silver powder coat finish inside and out is standard, except when "- Z" is added to the end of the model number. Models ending in "- Z" have American Red powder coat finish and aluminum crank handles rather than polymer hand wheels.



SHOWN WITHOUT
INLET FITTING



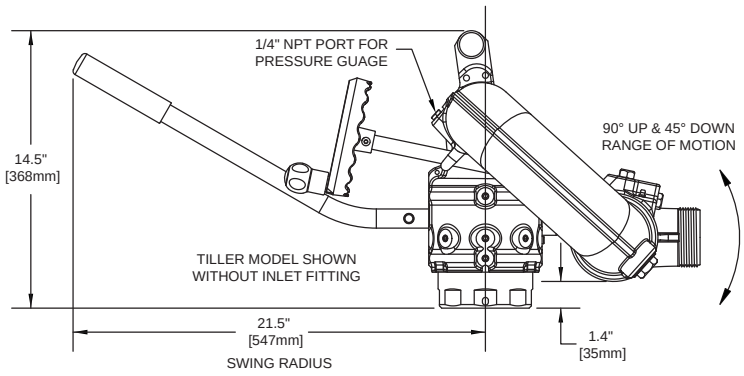


Optional
Aluminum Crank Handle

XFIH-DP1A

31.8 lb (14.4 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart .



When ordering a Hurricane Dual Handwheel monitor, choose one option from each category. Example: Model XFIH-D11A is a monitor with 3" ANSI 150 flange inlet and 2.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist. Flange Specifications are on page 220.

XFIH-D ____ ____ **A** ____

Inlet		Outlet	Optional
1) 3" ANSI 150	**L)** TFT CODE-RLF*	**1)** 2.5" - 7.5 NH Male (65mm)	-Z) Industrial Model with American Red powdered coat and aluminum crank handles (omit for standard silver models)
2) 4" ANSI 150	P) TFT CODE-RPF**	2) 2.5" - 11 BSP Male (65mm)	
4) DN80, PN16	Q) 4.5NH Quick Connect for VUM	9) Special	
5) DN100, PN16	R) 4.5NH Quick Connect with 4" ANSI 150		
6) 3" NPT Female	S) 4.5NH Quick Connect with 4" NPT female		
7) 4" NPT Female	T) 4.5"NH Quick Connect with CODE-RLF*		
8) 3" BSP Male	U) 4.5"NH Quick Connect with CODE-RPF*		
9) 4" BSP Male	W) Swivel Base for Booster OSC		
	X) TFT CODE RRM***		

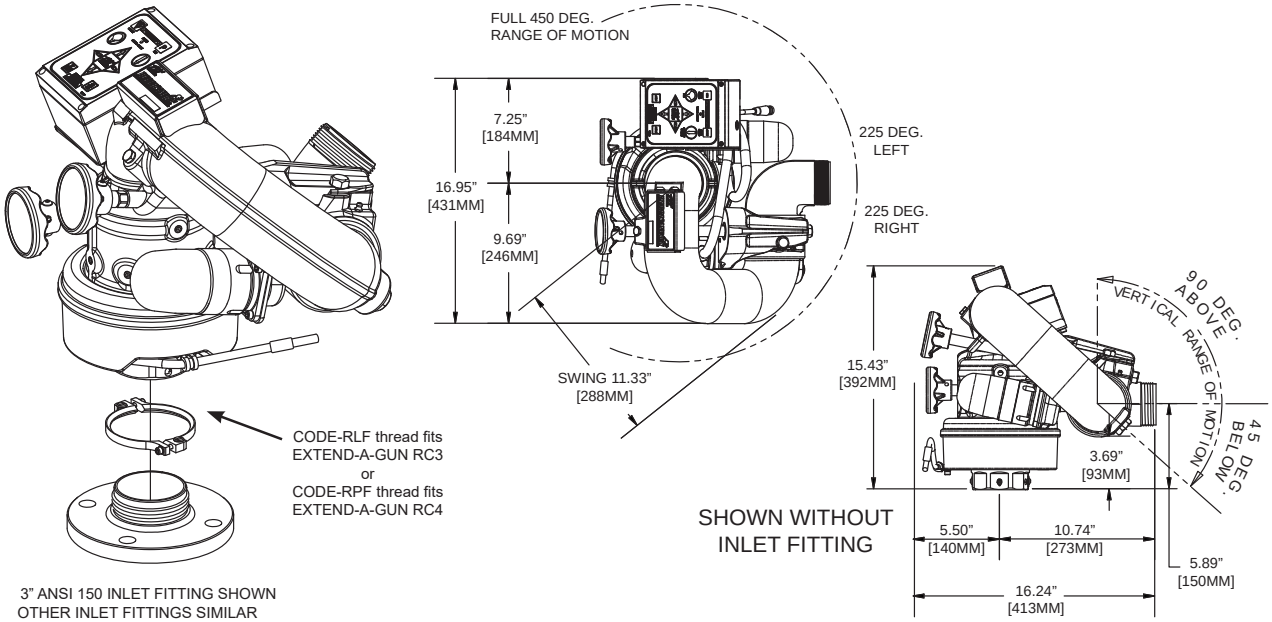
* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
*** TFT Code-RRM fits 4" IVUM and OUM

HURRICANE RC

Remote Controlled Monitor - Up to 1250 GPM

The Hurricane RC is an electric remote controlled monitor, with a single low-profile waterway discharge. The Hurricane RC has high flow and low friction loss characteristics. Capable of flowing 1250 gpm (4500 l/min) while maintaining a FULL 450° rotational travel (225° either side of center). Maximum operating pressure is 200 psi (14 bar). Field changeable horizontal rotation stops at 45, 90 and 135 degrees either side of center position. Elevation range is 90° above horizontal to 45° below. Designed for 12 VDC or 24 VDC volt operation, selection is automatic. The Hurricane RC comes with a control panel mounted on the monitor for horizontal rotation, elevation, nozzle pattern, programmable PARK and Oscillate. See pages 160-161 for additional control stations. The motor control circuits are factory installed on the monitor and use position encoders and current limiting to protect the drive train at the ends of travel. Unit comes with 30 feet of ultra-flexing robotics power cable already wired to the monitor, and is enclosed in a unique cable guide that allows FULL 450° of horizontal travel, which is far more reliable than slip rings or coil cords. Knobs for manual override are also provided. TFT's Master Stream 1250 ER nozzle plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof. Standard outlet is 2.5" NH (65mm) male thread. A built-in automatic drain protects the monitor from freezing. A threaded port (0.25" NPT) (6mm) is provided for optional pressure gauge. The monitor is made from hardcoat anodized ANSI 356-T6 aluminum and silver powder coat finish inside and out. For wireless operation, purchase wireless operator station and radio/antenna on page 177

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details..



XFIH-E11A

39.0 lb (17.7 kg)

CE

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart .

See pages 170-171 for control options.
See pages 134-165 for ER nozzles that plug into the factory installed nozzle connection.

When ordering a Hurricane RC monitor, choose one option from each category. Example: Model XFIH-E11A is a monitor with 3" ANSI 150 flange inlet and 2.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist. Flange Specifications are on page 220.

XFIH-E

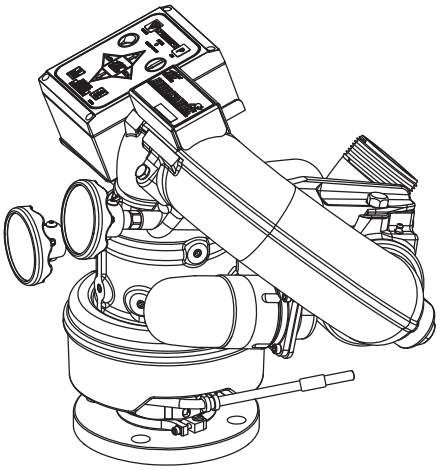
			A	
Inlet		Outlet		Optional
1) 3" ANSI 150	**L)** TFT CODE-RLF*	**1)** 2.5" - 7.5 NH Male (65mm)		-Z) Industrial Model with American Red powdered coat (omit for standard silver models)
2) 4" ANSI 150	N) TFT CODE-RPF for VUM and HUM	2) 2.5" - 11 BSP Male (65mm)		
4) DN80, PN16	P) TFT CODE-RPF Extend-A-Gun RC4	9) Special		
5) DN100, PN16	Q) 4.5NH Quick Connect for VUM			
6) 3" NPT Female	R) 4.5NH Quick Connect with 4" ANSI 150			
7) 4" NPT Female	S) 4.5NH Quick Connect with 4" NPT female			
8) 3" BSP Male	T) 4.5"NH Quick Connect with CODE-RLF*			
9) 4" BSP Male	U) 4.5"NH Quick Connect with CODE-RPF**			
	X) TFT CODE RRM for 4" IVUM and OUM			

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Hurricane RC Suggested Options

Rated to 1250 gpm, the Hurricane RC is a remotely controlled fixed station or truck mounted monitor with electric remote control of rotation and elevation angle. The electric motor provides elevation control from 90° above and 45° below horizontal. The unit has an electrically operated 450° horizontal rotational travel, user installed travel limit stops, automatic drain valve, stainless steel worm gear drive, and grease zerk fittings for easy service and lubrication. User operation controls are mounted on the monitor, and include rotation, elevation and nozzle stream pattern control. Optional remote wired, tethered and wireless remote controls are available. The discharge elbow includes an integral stream straightener. The monitor is constructed of hard coat anodized aluminum alloy and has silver powder coat finish inside and out.



CE

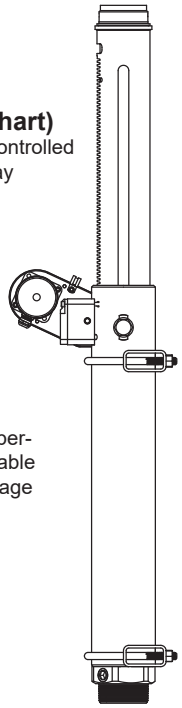
MONITOR CHOICE

See Chart on Page 158

EXTEND-A-GUN RC3

XGA3*-- (see chart)**
12" or 18" Remote Controlled Telescoping Waterway

Page 144

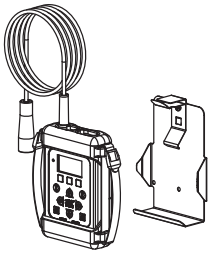


Panel Mount RC Extend-A-Gun Operator Station available separately, see page 175.

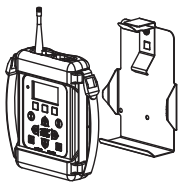
CONTROLLER CHOICE



Y4E-RP-D
Panel Mount Monitor Operator Station with Display
Page 175

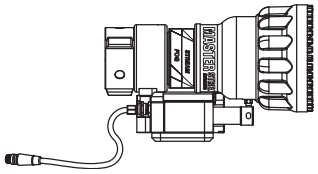


Y4E-CT-30-D
30' Tethered Monitor Operator Station with Display
- Page 176



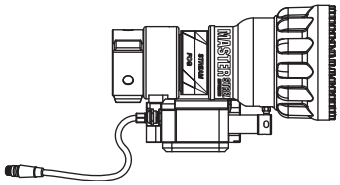
YE-RF-900-D
Wireless Monitor Operator Station with Display
Page **176**

NOZZLE CHOICE



M-ERP1000-NJ — 2.5" NH
100 psi Master Stream 1000
Automatic Pressure
150-1000 gpm Flow Range

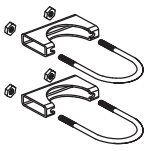
Page 136



M-ERP1250SNJ — 2.5" NH
100 psi Master Stream 1250
Automatic Pressure
300-1250 gpm Flow Range

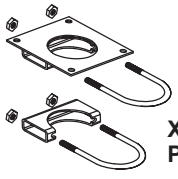
Page 137

3" BRACKET SET CHOICE



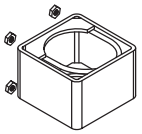
XGB-33 SADDLE/SADDLE

Page 144



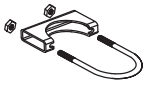
XGB-23 PLATE/SADDLE

Page 144



XGB-13 TUBE/SADDLE

Page 144



OEM INSTALLED COMPONENTS

TYPHOON™

Manually Controlled Monitor - Up to 1500 GPM

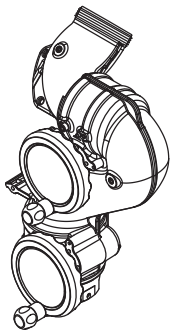
The Typhoon is a manually operated monitor designed for flows up to 1500 gpm (6000 l/min). Maximum operating pressure is 200 psi (14 bar). Waterway with turning vane has only 19 psi (1.3 bar) loss at 1500 gpm (6000 l/min). Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's Extend-A-Gun series and Valve Under Monitor series. See chart on next page for model numbers. Standard outlet is 3.5"NH (90 mm) male thread; other outlets available. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum.

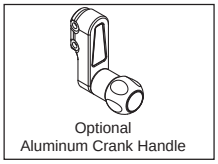
Silver powder coat finish inside and out is standard, except when "- Z" is added to the end of the model number. Models ending in "- Z" have American Red powder coat finish and aluminum crank handles rather than polymer hand wheels.

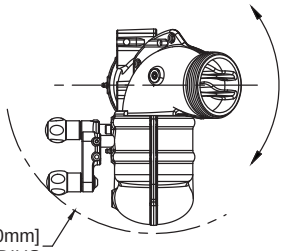
Y5-D11A
TYPHOON HANDWHEEL 3" ANSI INLET

22.0 lb (10.0kg) FM APPROVED

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart .



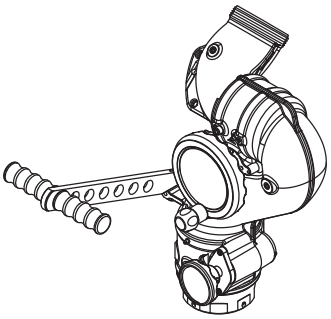


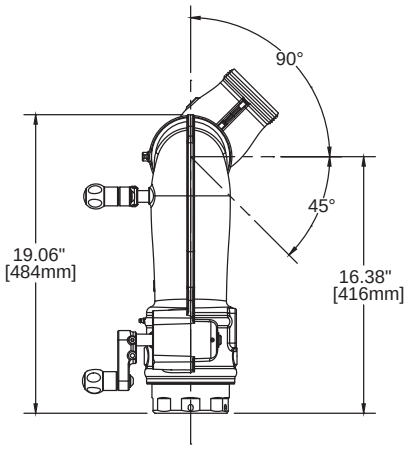


Y5-M11A
Handwheel for Elevation
Tiller for Horizontal Rotation

23.0 lb (10.4kg) FM APPROVED

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart .



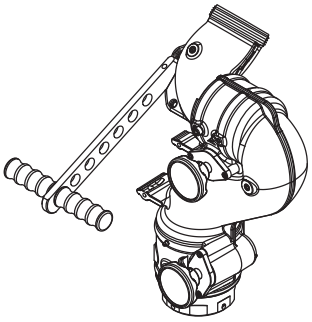


SHOWN WITH DUAL HANDWHEELS
AND WITHOUT INLET FITTING

Y5-T11A
Tiller with locks on both axis

23.0 lb (10.4kg) FM APPROVED

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart .



When ordering a Typhoon monitor, choose one option from each category below. For example Model Y5-M21A is a manual elevation handwheel, horizontal tiller aluminum monitor with 4" ANSI 150 flange inlet and 3.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist. Flange Specifications are on page 220.

Y5-				A	
Actuation **D)** Dual Handwheel M) Elevation Handwheel Horizontal Tiller T) Tiller Both Axis	Inlet **1)** 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	**L)** TFT CODE-RLF* P) TFT CODE-RPF** Q) 4.5"NH Quick Connect for VUM R) 4.5"NH Quick Connect with 4" ANSI 150 S) 4.5"NH Quick Connect with 4" NPT female T) 4.5"NH Quick Connect with CODE-RLF* U) 4.5"NH Quick Connect with CODE-RPF** W) Swivel Base for Booster OSC X) TFT CODE-RRM***	Outlet **1)** 3.5"-6 NH Male 2) 3.5"-11 BSP Male 3) 3.5"-8 NPSH Male 4) 4.0"-11 BSP Male 9) Special		Optional -Z) Industrial Model with American Red powdered coat and aluminum crank handles (omit for standard silver models)

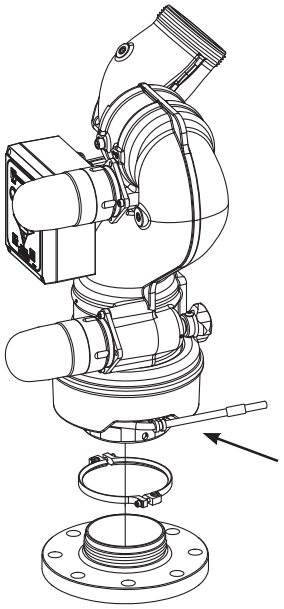
* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
***TFT CODE RRM Fits 4" IVUM and OUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

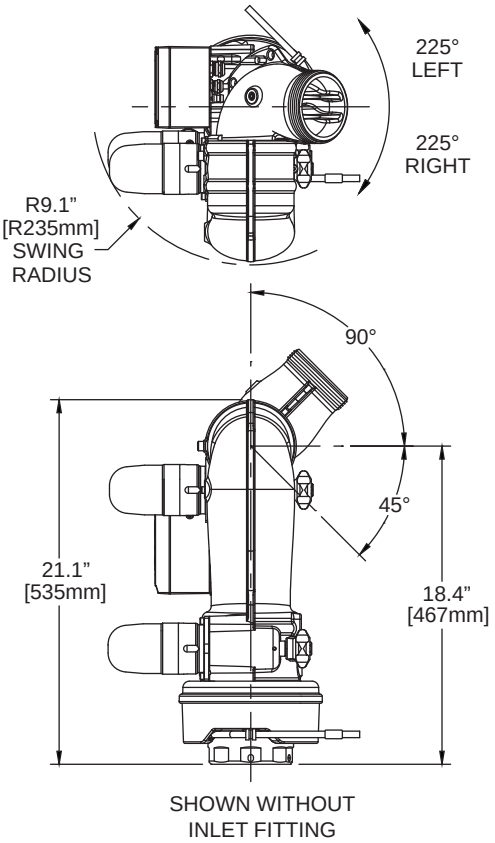
Remote Controlled Monitor - Up to 1500 GPM
Designed for Pumper Applications

The Typhoon RC is an electrically operated monitor for flows up to 1500 gpm (6000 l/min). Maximum operating pressure is 200 psi (14 bar). Waterway with turning vane has only 19 psi (1.3 bar) loss at 1500 gpm (6000 l/min). Designed for 12 VDC or 24 VDC operation, selection is automatic. The Typhoon RC comes with a factory installed control panel mounted to the monitor for controlling horizontal rotation, elevation, nozzle pattern, and programmable PARK and Oscillate. See Pages 176-177 for additional control stations. The motor controls use position encoders and current limiting to protect the drive train at ends of travel. Knobs are installed so the monitor may be manually operated in the event of a power failure. Field changeable stops for horizontal travel at 45, 90, and 135 degrees either side of a center position. Horizontal travel without stops is 225 degree left and right (450 degree total). Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's electric Extend-A-Gun RC3, RC4 and Valve Under Monitor Series. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Standard outlet is 3.5"NH (90 mm) male thread. Other outlets available. For wireless operation, purchase wireless operator station and radio/antenna on page 177

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details..



4" ANSI 150 INLET FITTING SHOWN
OTHER INLET FITTINGS SIMILAR



SHOWN WITHOUT
INLET FITTING

Y5-E21A
Electric

37.2 lbs (16.8 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

See pages 140 for nozzles choices.

When ordering a Typhoon monitor, choose one option from each category below. For example Model Y5-E21A is an electric aluminum monitor with 4" ANSI 150 flange inlet and 3.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist. Flange Specifications are on page 220.

Y5- ____ ____ ____ **A** ____

Actuation	Inlet		Outlet	Optional
E) Electric	**1)** 3" ANSI 150	**L)** TFT CODE-RLF for Extend-A-Gun RC3	**1)** 3.5"-6 NH Male	-Z) Industrial Model with American Red powdered coat (omit for standard silver models)
	2) 4" ANSI 150	N) TFT CODE-RPF for VUM and HUM	2) 3.5"-11 BSP Male	
	3) 6" ANSI 150	P) TFT CODE-RPF Extend-A-Gun RC4	3) 3.5"-8 NPSH Male	
	4) DN80, PN16	Q) 4.5"NH Quick Connect for VUM	4) 4.0"-11 BSP Male	
	5) DN100, PN16	R) 4.5"NH Quick Connect with 4" ANSI 150	9) Special	
	6) 3" NPT Female	S) 4.5"NH Quick Connect with 4" NPT female		
	7) 4" NPT Female	T) 4.5"NH Quick Connect with CODE-RLF*		
	8) 3" BSP Male	U) 4.5"NH Quick Connect with CODE-RPF**		
	9) 4" BSP Male	X) TFT CODE-RRM Fits 4" IVUM and OUM		

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

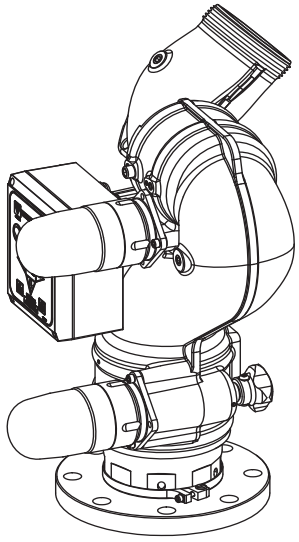
TYPHOON RC™

Remote Controlled Monitor - Up To 1500 GPM
Designed for Ladder and Platform Applications

The Typhoon RC for Ladder or Platform installations is similar to the standard Typhoon RC. This model has the horizontal travel limited to 90 degrees left and right (180 degrees total). Various models are available with different elevation ranges –see the figure and table below for details. Ladder and Platform models include an electronics enclosure and 10' of cable to connect signals from the primary control station (such as the turntable toggle switches). These signals can either be hard wired or from a Canbus output module. The Platform model's electronics enclosure contains an additional 10' cable to connect signals from a secondary control station (such as from basket toggle switches). The primary control signals will always override any signals from the secondary control or the monitor operator station. The electronics enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in the field to accept ground signals. This electronics enclosure also includes a relay to indicate when the monitor is in the PARK position and contacts that can be connected to the Canbus or multiplex system. A monitor mounted control panel allows vertical, horizontal, and nozzle pattern adjustments and programmable PARK and Oscillate. See pages 160-163 for additional control stations. RC Monitor delivered with wireless antenna installed. For wireless operation, purchase wireless operator station package on page 177.

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.

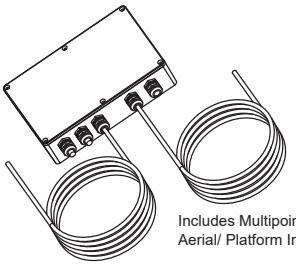
Inlet Options A & B increase operating clearance by offsetting the monitor inlet by 1.5".



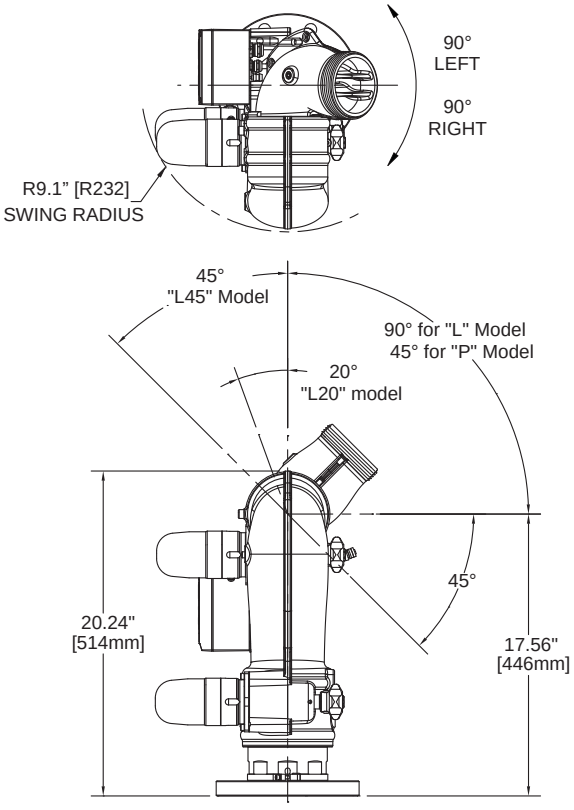
Y5-E21A-L CE

37.2 lbs (16.9 kg).

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Includes Multipoint Aerial/ Platform Interface



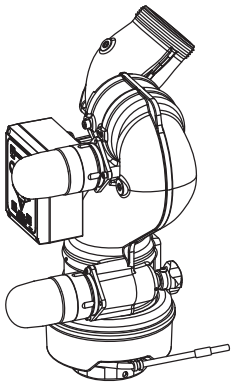
Y5-E			A	
Inlet			Outlet	Configuration
A) 1.5" Offset for VUM	**L)** TFT CODE-RLF *		**1)** 3.5"-6 NH Male	**-L)** Ladder
B) 1.5" Offset for 4" ANSI 150	P) TFT CODE-RPF **		2) 3.5"-11 BSP Male	-P) Platform
1) 3" ANSI 150	Q) 4.5"NH Quick Connect for VUM		3) 3.5"-8 NPSH Male	-L20) Ladder w/20° Extra Elevation
2) 4" ANSI 150	R) 4.5"NH Quick Connect with 4" ANSI 150		4) 4.0"-11 BSP Male	-L30) Ladder w/30° Extra Elevation
3) 6" ANSI 150	S) 4.5"NH Quick Connect with 4" NPT female		9) Special	-L45) Ladder w/45° Extra Elevation
4) DN80, PN16	T) 4.5"NH Quick Connect with CODE-RLF*			
5) DN100, PN16	U) 4.5"NH Quick Connect with CODE-RPF**			
6) 3" NPT Female	X) TFT CODE RRM fits 4" IVUM and OUM			
7) 4" NPT Female				
8) 3" BSP Male				
9) 4" BSP Male				

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Typhoon RC Package Suggested Options

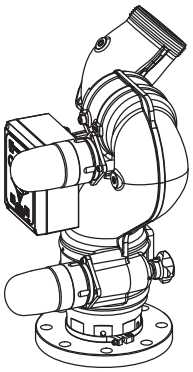
Rated to 1500 gpm, and 200 psi, the Typhoon RC is a remotely controlled fixed station or truck mounted monitor with electric remote control of horizontal rotation, elevation, nozzle pattern and Park & Oscillate. The unit has an electrically operated elevation control from 45° below horizontal up to a maximum of 45° past vertical for a total possible travel of 180°. Unit has elevation travel limit stops than can reduce the travel to 20° past vertical or less in 10° increments. The unit has an electrically operated 450° maximum horizontal travel, stainless steel worm gear, and horizontal travel limit stops in 45° increments. Knobs are mounted on the vertical and horizontal drives for manual override. User operation controls are mounted on the monitor, and include rotation, elevation, and nozzle stream pattern control. Optional remote wired, tethered, and wireless remote controls are available. The discharge elbow includes an integral stream straightener. The monitor is constructed of hardcoat anodized aluminum alloy and has a silver powder coat finish inside and out.



CE

For Pumper Applications

Page 161



CE

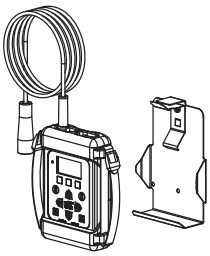
For Ladders and Platforms

Page 162

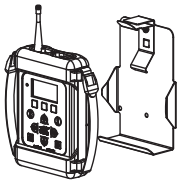
CONTROLLER CHOICE



Y4E-RP-D
Panel Mount Monitor Operator Station with Display
Page 175

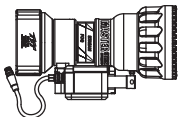


Y4E-CT-30-D
30' Tethered Monitor Operator Station with Display
- Page 175



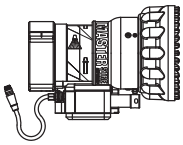
YE-RF-900-D
Wireless Monitor Operator Station with Display
Page 176

NOZZLE CHOICE



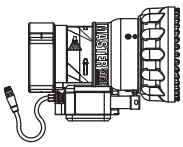
Page 136

M-ERP1000-NN — 3.5"NH
100 psi Masterstream 1000 Automatic Pressure
150-1000 gpm Flow Range



Page 137

M-ERP1250-NN — 3.5"NH
70-120 psi Master Stream 1250 Automatic Pressure
300-1250 gpm Flow Range



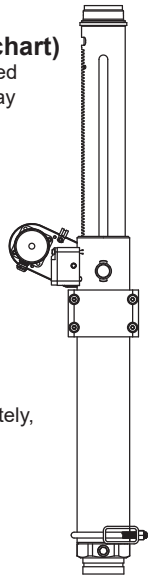
Page 140

M-ERP1500-NN — 3.5"NH
70-120 psi Master Stream 1500 Automatic Pressure
300-1500 gpm Flow Range

EXTEND-A-GUN RC4

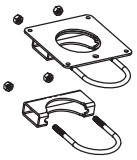
XGA48- (see chart)**
18" Remote Controlled Telescoping Waterway

Page 145



Panel Mount RC Extend-A-Gun Operator Station available separately, see page 173.

4" BRACKET SET CHOICE



XGB-43 PLATE/SADDLE

Page 145



XGB-53 SADDLE/SADDLE

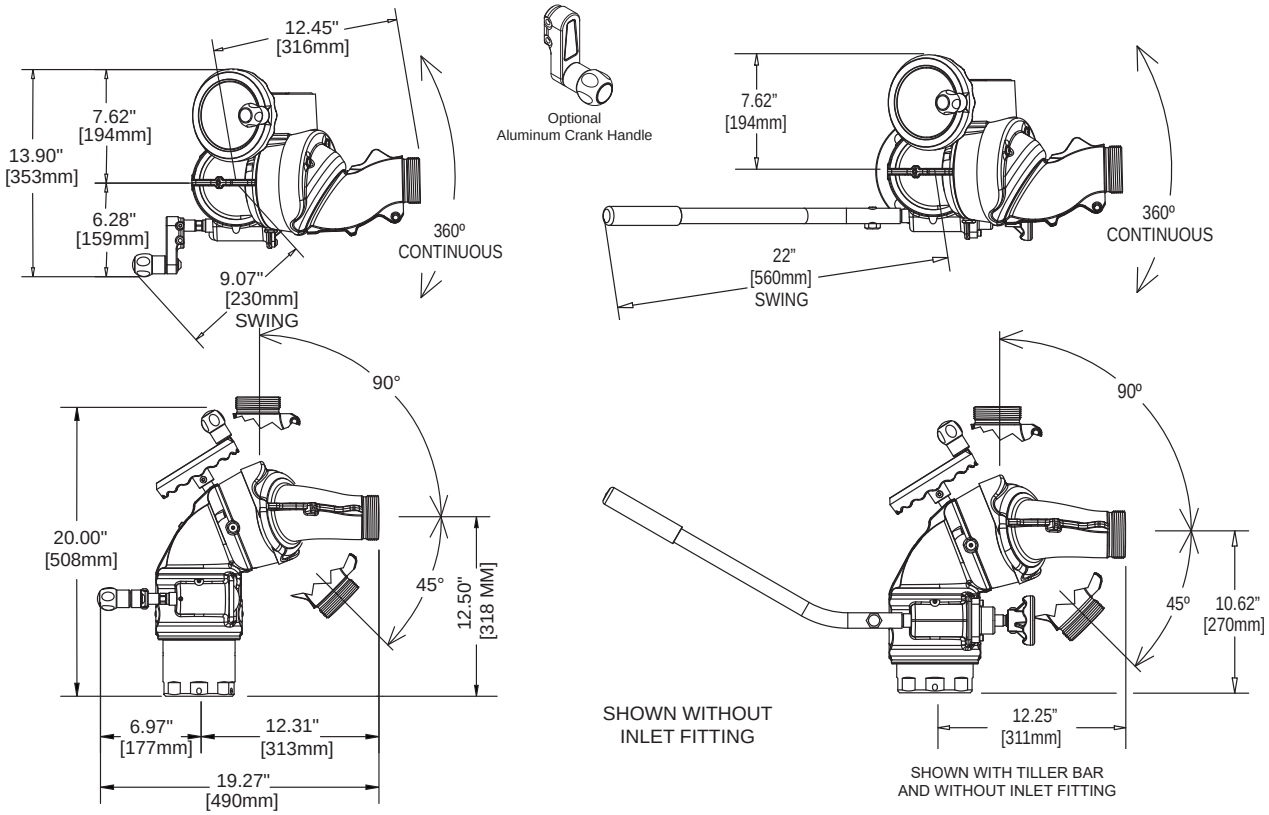
Page 145

MONSOON®

Manually Controlled Monitor - Up To 1250 GPM

The Monsoon is a manually operated monitor designed for flows up to 1250 gpm (4750 l/min). Maximum operating pressure is 200 psi (14 bar). Unique patented segmented waterway has only 6 psi (.4 bar) friction loss at 1250 gpm. Water makes very few turns as it travels through the monitor resulting in low friction loss and a far-reaching effective stream. Elevation range is 90 degrees above horizontal to 45 degrees below. Field changeable elevation travel stops at 45 degrees above, 30 degrees above, and 30 degrees below horizontal. The manual model has continuous horizontal rotation with field changeable stops at 45, 90 and 135 either side of a center position. Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's Extend-A-Gun series and Valve Under Monitor series. Several outlet thread sizes are available. See chart on next page for model numbers. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum.

Silver powder coat finish inside and out is standard, except when "- Z" is added to the end of the model number. Models ending in "- Z" have American Red powder coat finish and aluminum crank handles rather than polymer handwheels. Standard outlet is 2.5"NH (64 mm) male thread; other outlets available.



Y4-M15A

25.0 lb (11.4 kg)

FM APPROVED

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

Y4-T15A

26.0 lb (11.8 kg)

FM APPROVED

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-M25A is a manual aluminum monitor with 4" ANSI 150 flange inlet and 2.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist. Flange Specifications are on page 220.

Y4-				A	
Actuation **M)** Manual T) Tiller	Inlet **1)** 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	**L)** TFT CODE-RLF* P) TFT CODE-RPF* Q) 4.5"NH Quick Connect for VUM R) 4.5"NH Quick Connect with 4" ANSI 150 S) 4.5"NH Quick Connect with 4" NPT female T) 4.5"NH Quick Connect with CODE-RLF* U) 4.5"NH Quick Connect with CODE-RPF** W) Swivel Base for Booster OSC X) TFT CODE-RRM***	Outlet 5) 2.5" NHM 6) 2.5" BSPM 7) 2.5" NPSHM 9) SPECIAL		Optional -Z) Industrial Model with American Red powdered coat and aluminum crank handles (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
*** TFT Code-RRM fits 4" IVUM and OUM

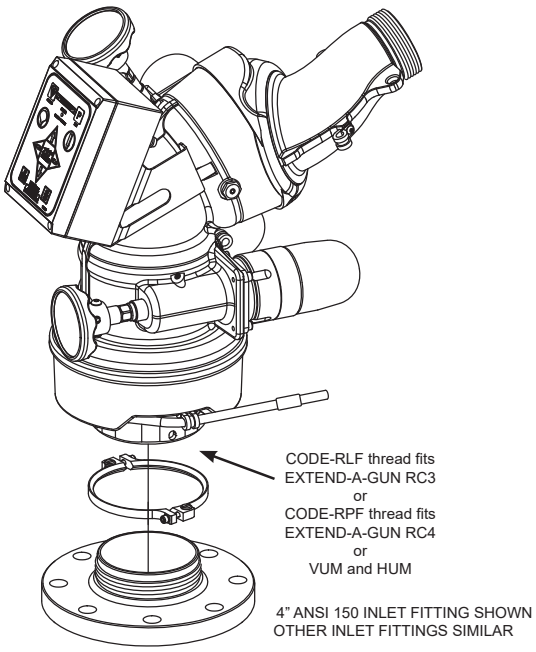
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

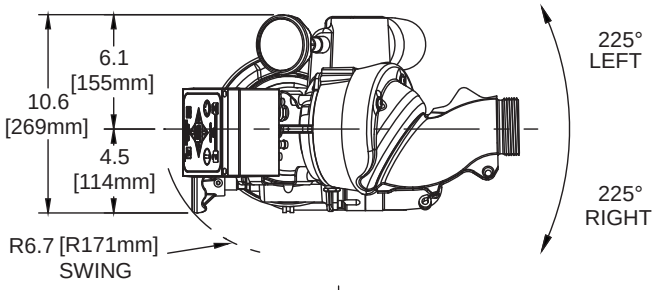
Remote Controlled Deck Monitor - Up To 1250 GPM

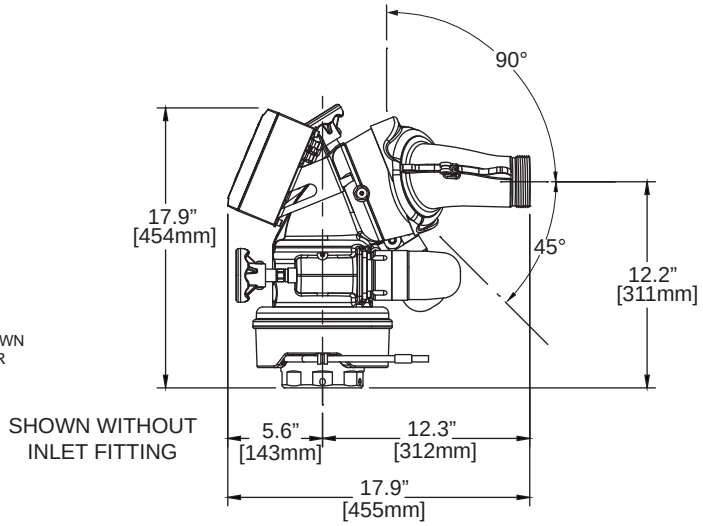
Designed for Pumper Applications

The Monsoon RC for pumper installations is an electric remote controlled monitor that has all the benefits of the Monsoon monitor with the addition of powered operation. It has a greater horizontal sweep angle than the RC model for Ladder or Platform installations. Designed for 12 VDC or 24 VDC operation, selection is automatic. The Monsoon RC comes with a factory installed control panel mounted on the monitor for controlling horizontal rotation, elevation, nozzle pattern and programmable PARK and Oscillate. See page 176-177 for additional control stations. The motor control circuits are factory installed on the monitor and use position encoders and current limiting to protect the drive train at the ends of travel. Unit comes with 30 feet of ultra-flexing robotics cable already wired to the monitor so installation effort is minimized. Cable has only four conductors (two for power and two for communications), further easing the installation effort. Cable is enclosed in a unique wire guide that allows 450° of horizontal travel (225° either side of a center position), which is far more reliable than slip rings or coil cords. Knobs for manual override are provided on the horizontal rotation and elevation drive. TFT's Master ERP nozzles plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Standard outlet is 2.5" NH (64 mm) rigid male thread. Other outlets are available. For wireless operation, purchase wireless operator station and radio/antenna on page 177

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.







Y4-E25A

37.0 lb (16.8 kg)

CE

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4E-25A is an electric aluminum monitor with 4" ANSI 150 flange inlet and 2.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist. Flange Specifications are on page 220.

Y4-				A	
Actuation **E)** Electric	Inlet **1)** 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	**L)** TFT CODE-RLF for Extend-A-Gun RC3 N) TFT CODE-RPF for VUM and HUM P) TFT CODE-RPF Extend-A-Gun RC4 Q) 4.5"NH Quick Connect for VUM R) 4.5"NH Quick Connect with 4" ANSI 150 S) 4.5"NH Quick Connect with 4" NPT female T) 4.5"NH Quick Connect with CODE-RLF* U) 4.5"NH Quick Connect with CODE-RPF** X) TFT CODE-RRM fits 4" IVUM and OUM	Outlet 5) 2.5" NHM 6) 2.5" BSPM 7) 2.5" NPSHM 9) SPECIAL		Optional -Z) Industrial Model with American Red powdered coat (omit for standard silver models)

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3

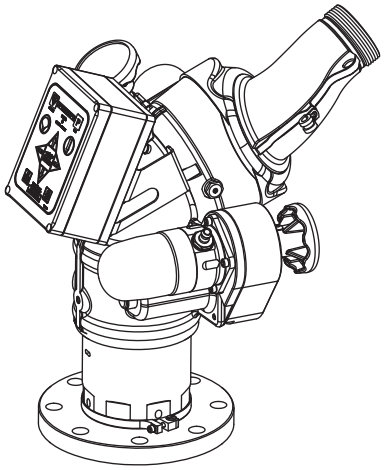
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

MONSOON RC

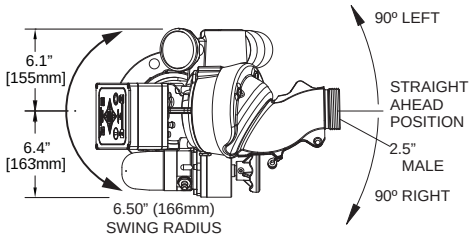
Remote Controlled High Clearance Monitor - Up To 1250 GPM
Designed For Ladder and Platform Applications

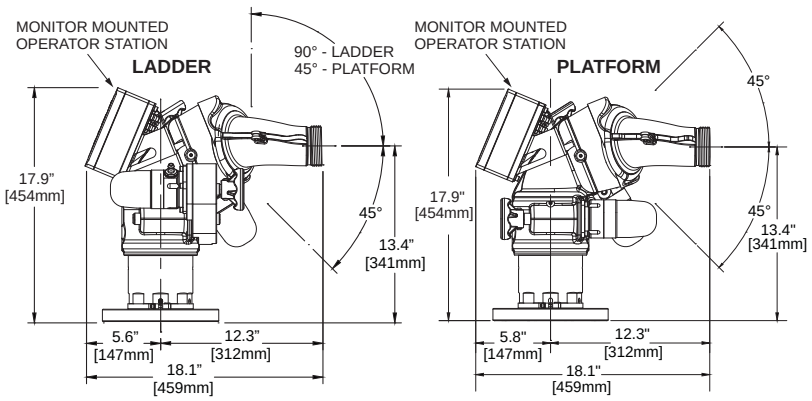
The Monsoon RC for Ladder or Platform installations is similar to the standard Monsoon RC. This model of Monsoon RC has the control box mounted at the top to give a reduced swing radius, thereby giving more clearance for Ladder Truck or Platform Installations. Knobs for manual override are provided on the horizontal rotation and elevation drive. Also comes with factory installed travel stops to limit the horizontal travel to 180 degrees (90 degrees either side of a center position). Ladder and Platform models include an electronics enclosure and 10' of cable to connect signals from the primary control station (such as the turntable toggle switches). These signals can either be hard wired or from a Canbus output module output. The Platform model's electronics enclosure contains an additional 10' cable to connect signals from a secondary control station (such as from basket toggle switches). The primary control signals will always override any signals from the secondary control or the monitor operator station. The electronics enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in field to accept ground signals. This electronics enclosure also includes a relay to indicate when the monitor is in PARK position and has contacts that can be connected into the Canbus or multiplex system. A monitor mounted control panel allows vertical, horizontal nozzle pattern adjustments and programmable PARK and Oscillate. See pages 170-172 for additional control stations. For wireless operation, purchase wireless operator station and radio/antenna on page 171

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.



4" ANSI 150 INLET FITTING SHOWN
OTHER INLET FITTINGS SIMILAR

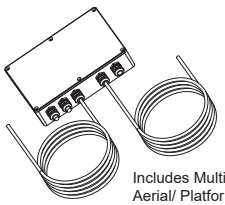




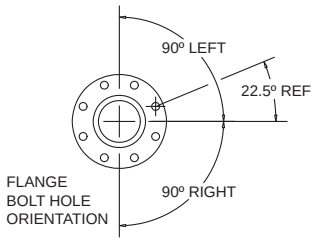
Y4-E25A-L

37.0 lb (16.8 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Includes Multipoint
Aerial/ Platform Interface



When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-E25A-L is an electric aluminum monitor for ladders with a 4" ANSI 150 flange inlet and 2.5 NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist. Flange Specifications are on page 218.

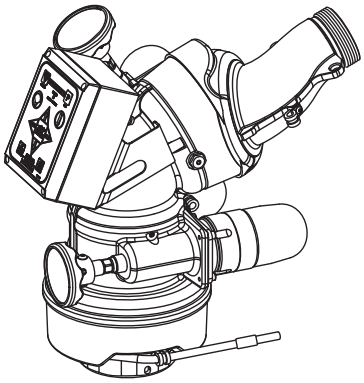
Y4-E			A	
Inlet		Outlet		Configuration
1) 3" ANSI 150	**L)** TFT CODE-RLF*	5) 2.5" NHM		**-L)** Ladder
2) 4" ANSI 150	P) TFT CODE-RPF**	6) 2.5" BSPM		-P) Platform
3) 6" ANSI 150	Q) 4.5"NH Quick Connect for VUM	7) 2.5" NPSHM		
4) DN80, PN16	R) 4.5"NH Quick Connect with 4" ANSI 150	9) SPECIAL		
5) DN100, PN16	S) 4.5"NH Quick Connect with 4" NPT female			
6) 3" NPT Female	T) 4.5"NH Quick Connect with CODE-RLF*			
7) 4" NPT Female	U) 4.5"NH Quick Connect with CODE-RPF**			
8) 3" BSP Male	X) TFT CODE-RRM fits 4" IVUM and OUM			
9) 4" BSP Male				

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

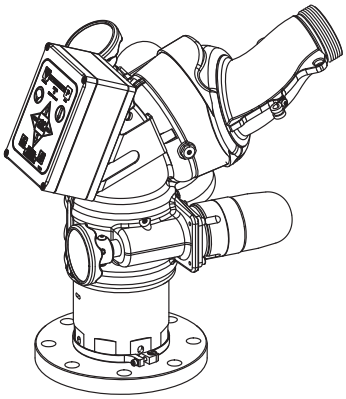
Monsoon RC 1250 Package Suggested Options

Rated to 1250 gpm, 200 psi, the Monsoon RC is a remotely controlled fixed station or truck mounted monitor with electric remote control of rotation, elevation angle and nozzle pattern. The unit has an electrically operated elevation control from 90° above and 45° below horizontal through a segmented waterway with minimal waterway turning angles and built-in stream shaping vane. The unit has an electrically operated 450° maximum horizontal travel, stainless steel worm gear, and user installed travel limit stops. User operation controls are mounted on the monitor, and include rotation, elevation, nozzle stream pattern control, and Park & Oscillate. Optional remote wired, tethered and wireless remote controls are available. The monitor is hardcoat anodized aluminum alloy with a silver powder coat finish inside and out.



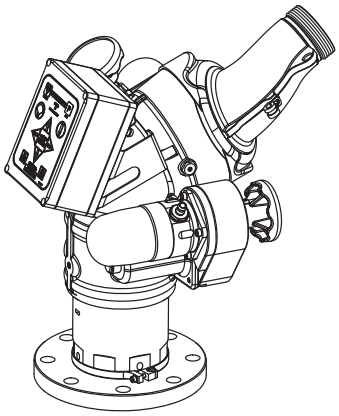
For Pumper Applications

Page 167



For Ladders

Page 168



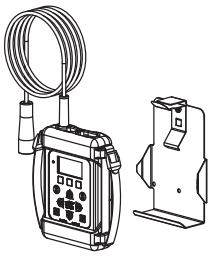
For Platforms

Page 168

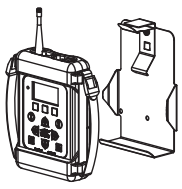
CONTROLLER CHOICE



Y4E-RP-D
Panel Mount Monitor Operator Station with Display
Page 175



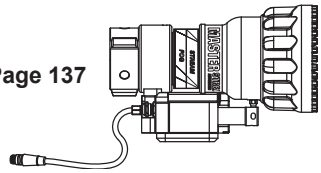
Y4E-CT-30-D
30' Tethered Monitor Operator Station with Display
- Page 176



YE-RF-900-D
Wireless Monitor Operator Station with Display
- Page 176

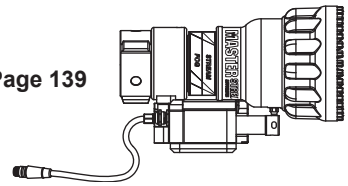
NOZZLE CHOICE

Page 137



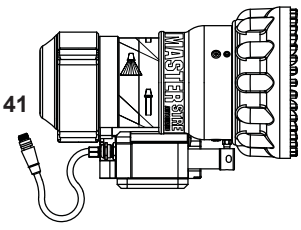
M-ERP1000-NJ — 2.5" NH
100 psi Master Stream 1000
Automatic Pressure
150-1000 gpm Flow Range

Page 139



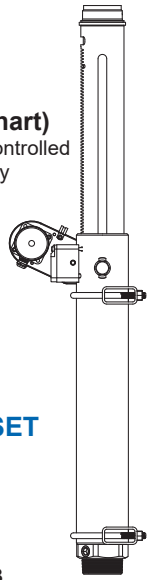
M-ERP1250SNJ — 2.5" NH
100 psi Master Stream 1250
Automatic Pressure
300-1250 gpm Flow Range

Page 141



M-ERP1250NJ — 2.5" NH
100 psi Master Stream 1250
Automatic Pressure
300-1250 gpm Flow Range

EXTEND-A-GUN RC3



XGA3*- (see chart)**
12" or 18" Remote Controlled Telescoping Waterway

Page 144

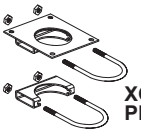
Panel Mount RC Extend-A-Gun Operator Station available separately, see page 171.

3" **BRACKET SET** CHOICE



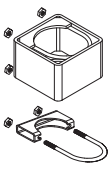
XGB-33 SADDLE/SADDLE

Page 144



XGB-23 PLATE/SADDLE

Page 144



XGB-13 TUBE/SADDLE

Page 144

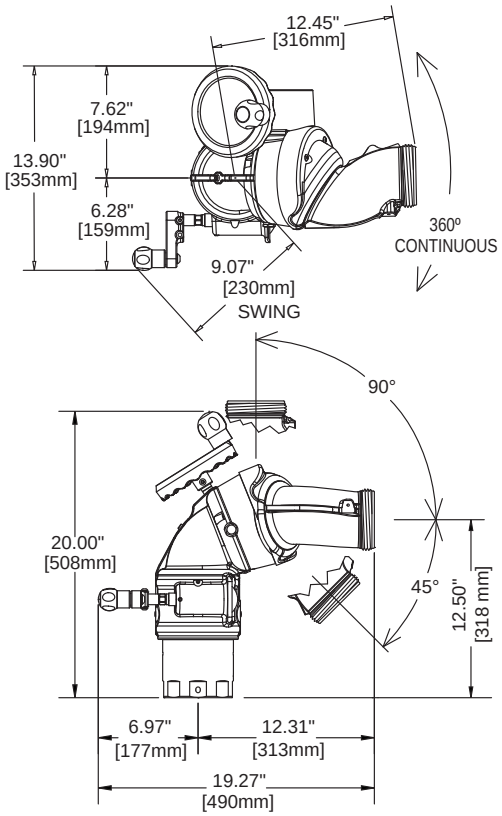
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

MONSOON®

Manually Controlled Monitor - Up To 2000 GPM

The Monsoon is a manually operated monitor designed for flows up to 2000 gpm (7600 l/min). Maximum operating pressure is 200 psi (14 bar). Unique patented segmented waterway has only 15 psi (1 bar) friction loss at 2000 gpm. Water makes very few turns as it travels through the monitor resulting in low friction loss and a far-reaching effective stream. Elevation range is 90 degrees above horizontal to 45 degrees below. Field changeable elevation travel stops at 45 degrees above, 30 degrees above, and 30 degrees below horizontal. The manual model has continuous horizontal rotation with field changeable stops at 45, 90 and 135 either side of a center position. Available with various inlet flanges and threaded fittings. Inlet also made for direct connection to TFT's Extend-A-Gun series and Valve Under Monitor series. Several outlet thread sizes are available. See chart on next page for model numbers. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum.

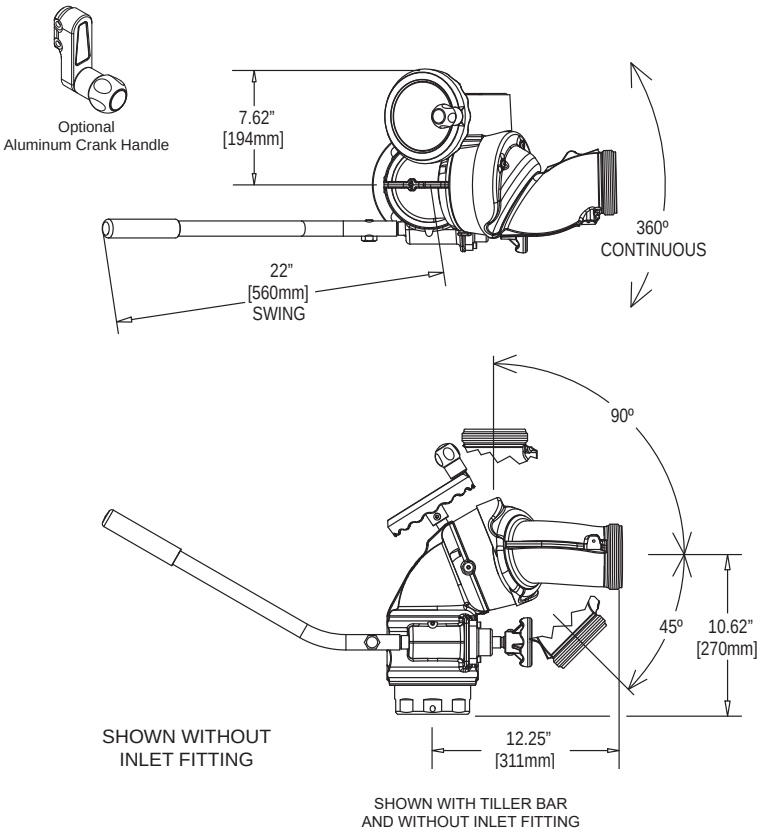
Silver powder coat finish inside and out is standard, except when "- Z" is added to the end of the model number. Models ending in "- Z" have American Red powder coat finish and aluminum crank handles rather than polymer handwheels. Standard outlet is 3.5"NH (90 mm) male thread; other outlets available.



Y4-M11A

25.0 lb (11.4 kg)

FM APPROVED



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

Y4-T11A

26.0 lb (11.8 kg)

FM APPROVED

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-M21A is a manual aluminum monitor with 4" ANSI 150 flange inlet and 3.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist. Flange Specifications are on page 220.

Y4-				A	
Actuation **M)** Manual T) Tiller	Inlet **1)** 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	**L)** TFT CODE-RLF* P) TFT CODE-RPF* Q) 4.5"NH Quick Connect for VUM R) 4.5"NH Quick Connect with 4" ANSI 150 S) 4.5"NH Quick Connect with 4" NPT female T) 4.5"NH Quick Connect with CODE-RLF* U) 4.5"NH Quick Connect with CODE-RPF** W) Swivel Base for Booster OSC X) TFT CODE-RRM***	Outlet **1)** 3.5"-6 NH Male 2) 3.5"-11 BSP Male 3) 3.5"-8 NPSH Male 4) 4.0"-11 BSP Male 9) Special		Optional -Z) Industrial Model with American Red powdered coat and aluminum crank handles (omit for standard silver models)

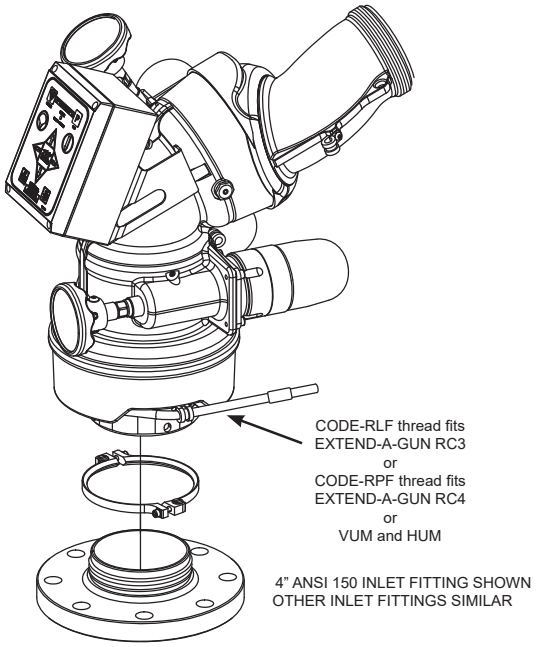
* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM
*** TFT Code-RRM fits 4" IVUM and OUM

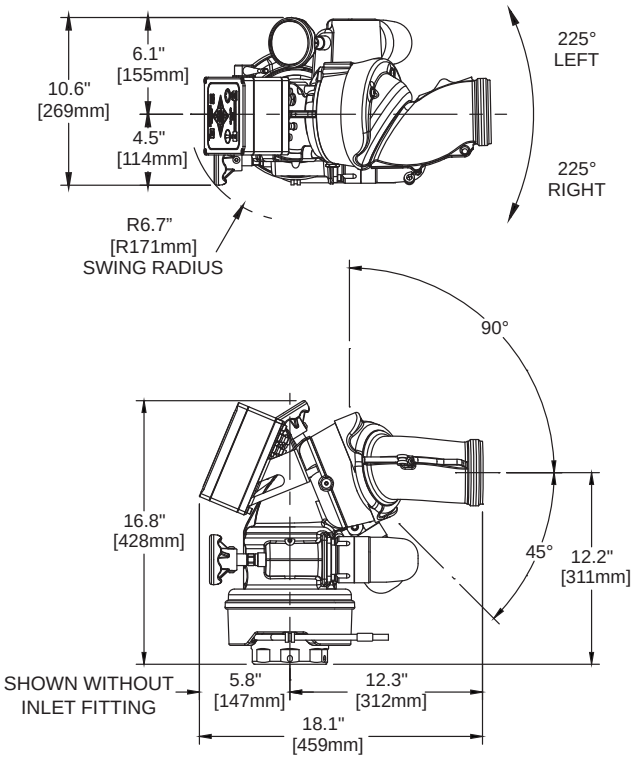
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Remote Controlled Deck Monitor - Up To 2000 GPM
Designed for Pumper Applications

The Monsoon RC for pumper installations is an electric remote controlled monitor that has all the benefits of the Monsoon monitor with the addition of powered operation. It has a greater horizontal sweep angle than the RC model for Ladder or Platform installations. Designed for 12 VDC or 24 VDC operation, selection is automatic. The Monsoon RC comes with a factory installed control panel mounted on the monitor for controlling horizontal rotation, elevation, nozzle pattern and programmable PARK and Oscillate. See page 176-177 for additional control stations. The motor control circuits are factory installed on the monitor and use position encoders and current limiting to protect the drive train at the ends of travel. Unit comes with 30 feet of ultra-flexing robotics cable already wired to the monitor so installation effort is minimized. Cable has only four conductors (two for power and two for communications), further easing the installation effort. Cable is enclosed in a unique wire guide that allows 450° of horizontal travel (225° either side of a center position), which is far more reliable than slip rings or coil cords. Knobs for manual override are provided on the horizontal rotation and elevation drive. TFT's Master ERP nozzles plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Standard outlet is 3.5" NH (90 mm) rigid male thread. Other outlets are available. For wireless operation, purchase wireless operator station and radio/antenna on page 177

All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.





Y4-E11A

37.0 lb (16.8 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-E21A is a manual aluminum monitor with 4" ANSI 150 flange inlet and 3.5" NH male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist. Flange Specifications are on page 220.

Y4-				A	
Actuation **E)** Electric	Inlet **1)** 3" ANSI 150 2) 4" ANSI 150 3) 6" ANSI 150 4) DN80, PN16 5) DN100, PN16 6) 3" NPT Female 7) 4" NPT Female 8) 3" BSP Male 9) 4" BSP Male	**L)** TFT CODE-RLF for Extend-A-Gun RC3 N) TFT CODE-RPF for VUM and HUM P) TFT CODE-RPF Extend-A-Gun RC4 Q) 4.5"NH Quick Connect for VUM R) 4.5"NH Quick Connect with 4" ANSI 150 S) 4.5"NH Quick Connect with 4" NPT female T) 4.5"NH Quick Connect with CODE-RLF* U) 4.5"NH Quick Connect with CODE-RPF** X) TFT CODE-RRMfits 4" IVUM and OUM	Outlet **1)** 3.5"-6 NH Male 2) 3.5"-11 BSP Male 3) 3.5"-8 NPSH Male 4) 4.0"-11 BSP Male 9) Special		Optional -Z) Industrial Model with American Red powdered coat (omit for standard silver models)

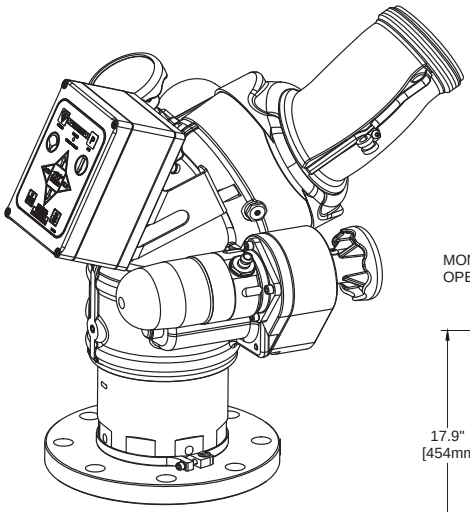
* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

MONSOON RC

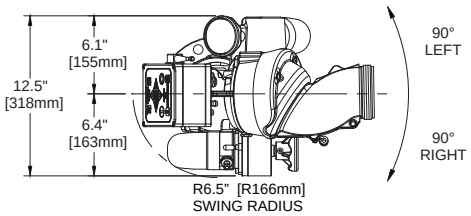
Remote Controlled High Clearance Monitor - Up To 2000 GPM
Designed For Ladder and Platform Applications

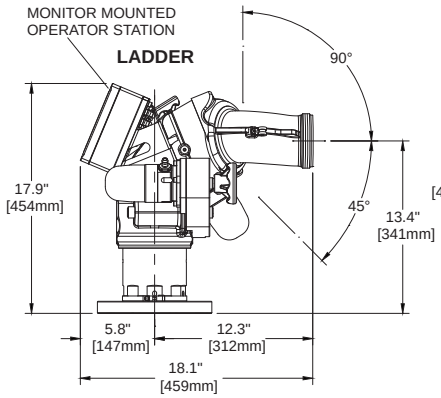
The Monsoon RC for Ladder or Platform installations is similar to the standard Monsoon RC. This model of Monsoon RC has the control box mounted at the top to give a reduced swing radius, thereby giving more clearance for Ladder Truck or Platform Installations. Knobs for manual override are provided on the horizontal rotation and elevation drive. Also comes with factory installed travel stops to limit the horizontal travel to 180 degrees (90 degrees either side of a center position). Ladder and Platform models include an electronics enclosure and 10' of cable to connect signals from the primary control station (such as the turntable toggle switches). These signals can either be hard wired or from a Canbus output module output. The Platform model's electronics enclosure contains an additional 10' cable to connect signals from a secondary control station (such as from basket toggle switches). The primary control signals will always override any signals from the secondary control or the monitor operator station. The electronics enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in field to accept ground signals. This electronics enclosure also includes a relay to indicate when the monitor is in PARK position and has contacts that can be connected into the Canbus or multiplex system. A monitor mounted control panel allows vertical, horizontal nozzle pattern adjustments and programmable PARK and Oscillate. RC Monitor delivered with wireless antenna installed. For wireless operation, purchase wireless operator station package on page 177.

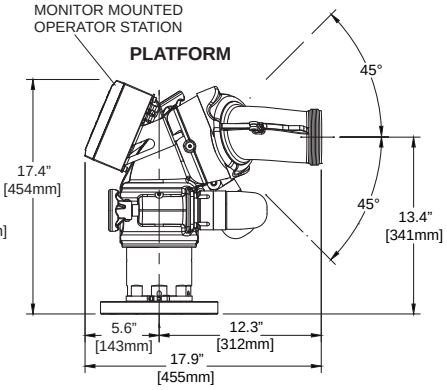
All TFT RC monitors are capable of being controlled by a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.



4" ANSI 150 INLET FITTING SHOWN
OTHER INLET FITTINGS SIMILAR



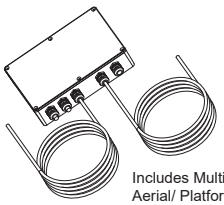




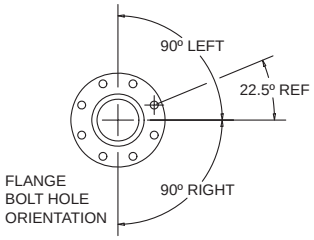
Y4-E21A-L

37.0 lb (16.8 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Includes Multipoint
Aerial/ Platform Interface



Example: Y4-E21A-L is an electric aluminum monitor for ladders with a 4" ANSI 150 flange inlet and 3-½ NH male threaded outlet.

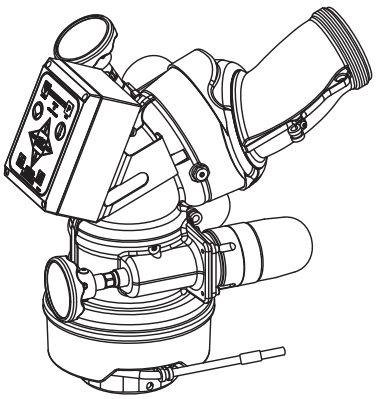
Y4-E			A	
Inlet			Outlet	Configuration
1) 3" ANSI 150	**L)** TFT CODE-RLF*		**1)** 3.5"-6 NH Male	**-L)** Ladder
2) 4" ANSI 150	P) TFT CODE-RPF**		2) 3.5"-11 BSP Male	-P) Platform
3) 6" ANSI 150	Q) 4.5"NH Quick Connect for VUM		3) 3.5"-8 NPSH Male	
4) DN80, PN16	R) 4.5"NH Quick Connect with 4" ANSI 150		4) 4.0"-11 BSP Male	
5) DN100, PN16	S) 4.5"NH Quick Connect with 4" NPT female		9) Special	
6) 3" NPT Female	T) 4.5"NH Quick Connect with CODE-RLF*			
7) 4" NPT Female	U) 4.5"NH Quick Connect with CODE-RPF*			
8) 3" BSP Male	X) TFT CODE-RRM fits 4" IVUM and OUM			
9) 4" BSP Male				

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC
** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

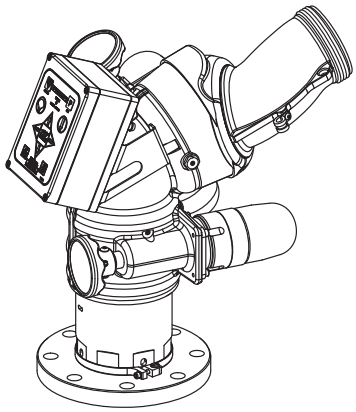
Monsoon RC 2000 gpm Package Suggested Options

Rated to 2000 gpm, 200 psi, the Monsoon RC is a remotely controlled fixed station or truck mounted monitor with electric remote control of rotation, elevation angle and nozzle pattern. The unit has an electrically operated elevation control from 90° above and 45° below horizontal through a segmented waterway with minimal waterway turning angles and built-in stream shaping vane. The unit has an electrically operated 450° horizontal rotational travel, stainless steel worm gear, and user installed travel limit stops. User operation controls are mounted on the monitor, and include rotation, elevation, nozzle stream pattern control, and Park & Oscillate. Optional remote wired, tethered and wireless remote controls are available. The monitor is hardcoat anodized aluminum alloy with a silver powder coat finish inside and out.



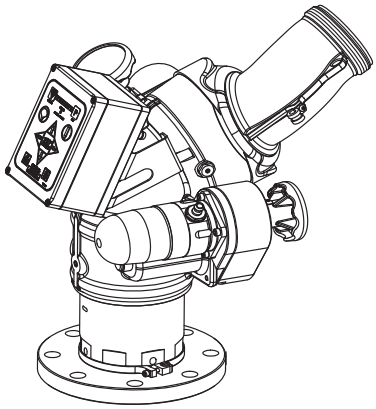
For Pumper Applications

Page 169



For Ladders

Page 170



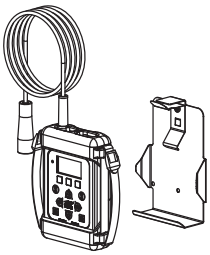
For Platforms

Page 170

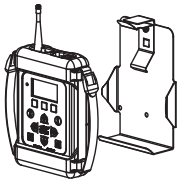
CONTROLLER CHOICE



Y4E-RP-D
Panel Mount Monitor Operator Station with Display
Page 175

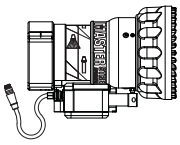


Y4E-CT-30-D
30' Tethered Monitor Operator Station with Display
- Page 176



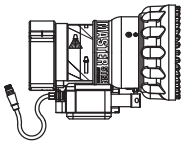
YE-RF-900-D
Wireless Monitor Operator Station with Display
Page 176

NOZZLE CHOICE



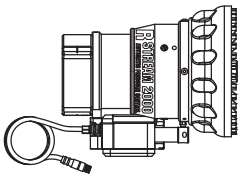
Page 139

M-ERP1250-NN — 3.5"NH
100 psi Masterstream 1250
Automatic Pressure
150-1250 gpm Flow Range



Page 140

M-ERP1500-NN — 3.5"NH
70-120 psi Master Stream 1500
Automatic Pressure
300-1500 gpm Flow Range



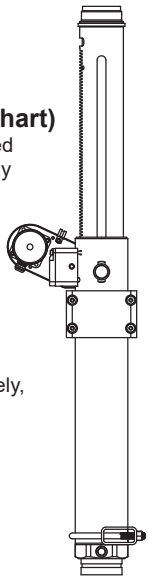
Page 141

M-ERP2000-NN — 3.5"NH
80-120 psi Master Stream 2000
Automatic Pressure
300-2000 gpm Flow Range

EXTEND-A-GUN RC4

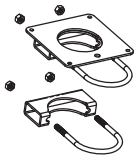
XGA48- (see chart)**
18" Remote Controlled Telescoping Waterway

Page 145



Panel Mount RC Extend-A-Gun Operator Station available separately, see page 173.

BRACKET CHOICE



XGB-43 PLATE/SADDLE

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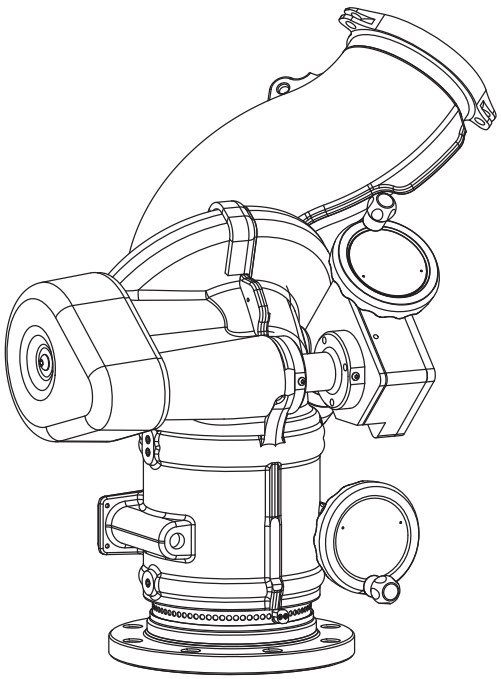
XGB-53 SADDLE/SADDLE

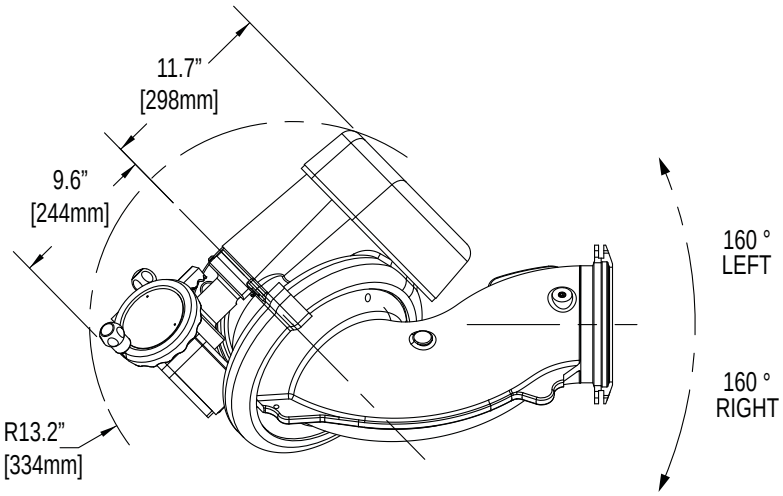
Page 145

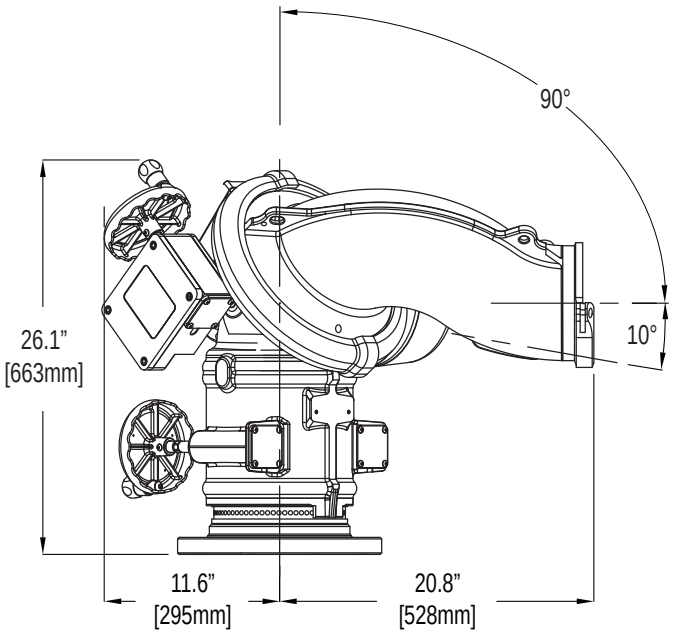
TSUNAMI

Manual Monitor - Up To 8000 GPM

The Tsunami monitor is capable of flowing 8000 gpm (30000 l/min). Waterway with turning vane has only 27 psi (1.9 bar) friction loss at 8000 gpm (30000 l/min). Elevation range is 90° above horizontal to 10° below. Field changeable elevation travel stops. Horizontal travel is 320° (160° either side of a center position). Field changeable horizontal travel stops. Dual handwheels are provided for horizontal rotation and elevation drive. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out.







Y8-M11A

138.0 lb (62.6 kg)

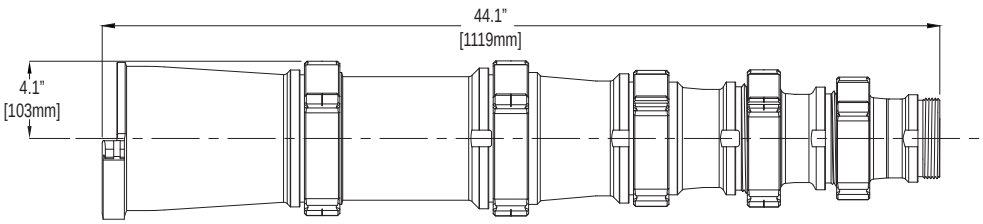
Contact Customer Service For Inlet and Outlet Configurations.

Contact Customer Service for Tsunami Availability.

Designed for monitor use up to 8000 gpm (30280 l/min), these stacked tips are hardcoat anodized, allow four orifice options, have a built in stream straightener and pressure/flow charts laser engraved on each tip. Orifice openings are 5.125", 4.5", 4.0", and 3.5". (130mm, 114mm, 102mm and 89mm). Quick connect inlet coupling for Tsunami monitor is standard.

YST-8NX

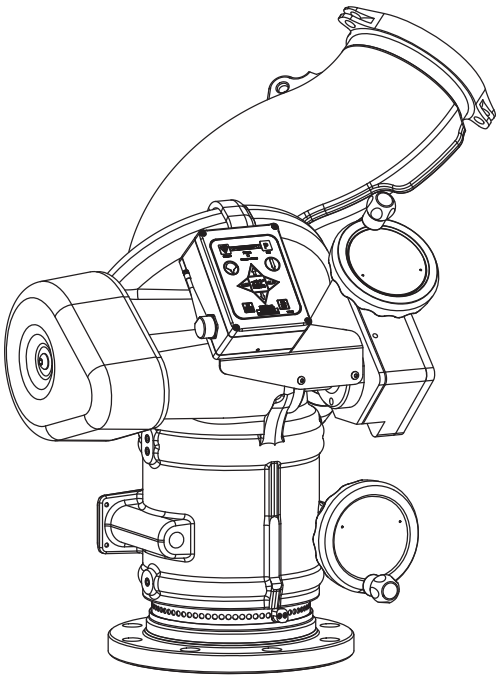
37.0 lb (16.8 kg)

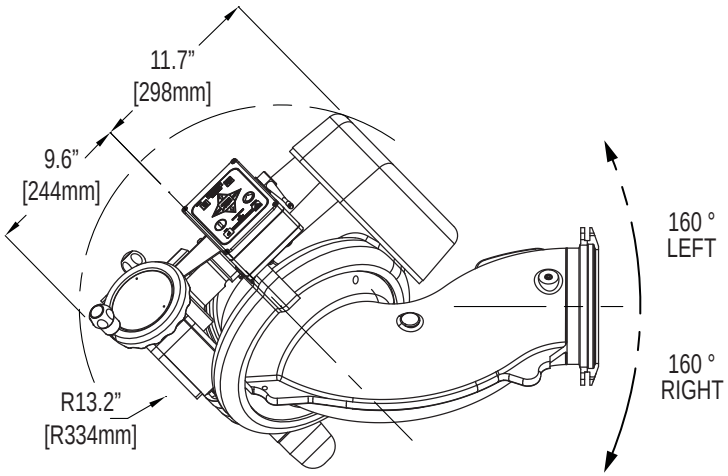


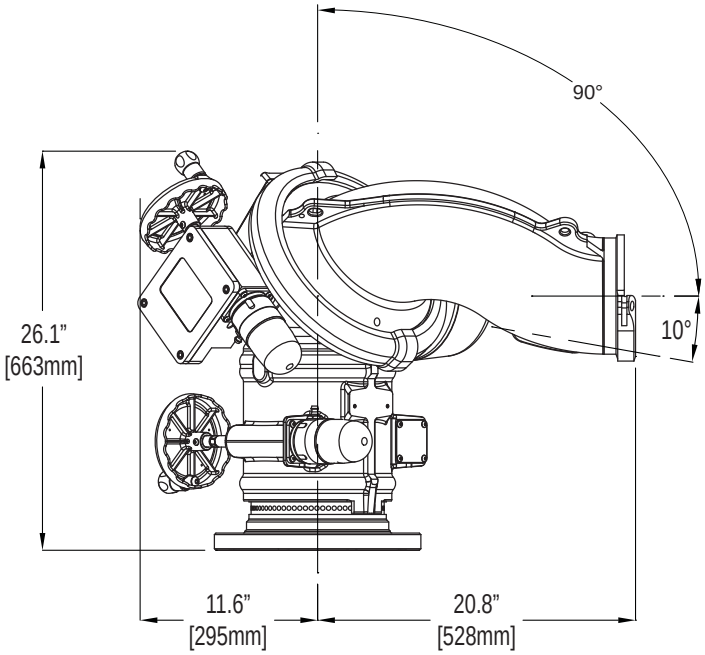
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Remote Controlled Monitor - Up To 8000 GPM

The Tsunami RC is an electric remote controlled monitor capable of flowing 8000 gpm (30000 l/min). Waterway with turning vane has only 27 psi (1.9 bar) friction loss at 8000 gpm (30000 l/min). Elevation range is 90° above horizontal to 10° below. Field changeable elevation travel stops. Horizontal travel is 320° (160° either side of a center position). Field changeable horizontal travel stops. Designed for 12 VDC or 24 VDC operation, selection is automatic. The Tsunami monitor comes with a control panel on the monitor for horizontal rotation, elevation, nozzle pattern, programmable PARK and Oscillate. The motor control circuits use position encoders and current limiting to protect the drive train at the ends of travel. Unit has waterproof factory installed plug on power wire for easy removal or reinstallation. Handwheel for manual override are provided on the horizontal rotation and elevation drive. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Contact factory for details about wireless operation.







Y8-E11A

140.0 lb (63.5 kg)

Contact Customer Service For Inlet and Outlet Configurations.

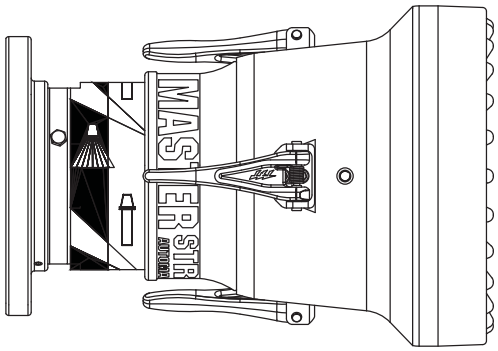
Contact Customer Service for Tsunami Availability.

MASTER STREAM 4000 SERIES

600 - 4000 GPM (2400 - 16,000 l/min) **Automatic**

The TFT Master Stream 4000 is the only variable pressure nozzle with a flow range of 600 - 4000 gpm (2400-16000 l/min). The Master Stream 4000 features a unique user selectable operating pressure control. The Master Stream 4000 can provide industrial users the highest flow and longest stream reach of any constant pressure, variable flow nozzle in the world. Similar to other automatic TFT nozzles, the Master Stream 4000 can maintain a constant pressure throughout its flow range. The operating nozzle pressure of the Master Stream 4000 is field adjustable by simply turning a knob, on the front of the nozzle, to the desired pressure setting. Adjustment is anywhere between 80 and 120 psi (6 and 8 bar). Applications include truck mounted deluge devices, fire boats, industrial applications, or anywhere a flow of up to 4000 gpm (16000 l/min) is necessary.

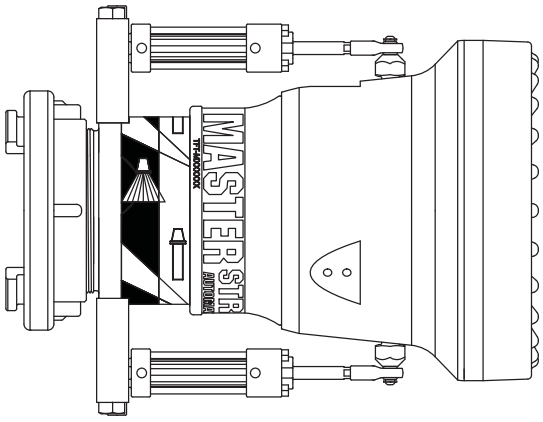
Model Suffix	Inlet	Outside Diameter	Bolt Hole Circle	Bolt Hole Diameter	Bolts
-6ASA	6" ANSI 150	11.00 " (27.9cm)	9.500" (24.1cm)	7/8" (22mm)	8
-DN150	DN 150 PN16	11.22 " (28.5cm)	9.449" (24cm)	29/32"(23mm)	8
-6SX	6" Storz	7.70 " (19.6cm)	—	—	0



MT-R-6ASA
MT-R-DN150
MT-R-6SX

103.0 lbs (46.7kg)
18.30" Long (46.5cm)
13.3" Diameter (33.8cm)

MT-R-6ASA - MASTER STREAM 4000 W/HALO 6” ANSI 150 FLANGE INLET - Super-high volume nozzle with a flow range of 600 - 4000 GPM (2400-16000 l/min). The Master Stream 4000 incorporates field adjustable nozzle pressure regulation capable of constant nozzle pressures from 80 PSI (6 bar) to a maximum of 120 PSI (8 bar). Continuously variable pattern from straight stream to wide fog. Includes folding handles for manual pattern control. Massive cast aluminum bumper incorporates TFT’s “power fog” teeth for full finger-free fog pattern. Hardcoat anodized aluminum for maximum resistance to corrosion and wear. Specify inlet size (6" ANSI 150, DN150 PN16, 6” Storz). 6” ANSI 150 Flange is standard.



MT-HR-6ASA
MT-HR-6SX

110.0 lbs (49.8kg)
18.30" Long (46.5cm)
16.2" Diameter (41.0cm)

MT-HR-6SX - MASTER STREAM 4000 HYDRAULIC REMOTE 6” STORZ INLET - Hydraulically operated pattern control for use on remote applications, such as in hazardous areas or towers. The two 1-3/8” (35mm) bore cylinder units have 1/4” NPTF (6mm) ports, maximum hydraulic pressure of 1500 psi (103 bar), minimum hydraulic pressure of 600 psi (41 bar). The MT-HR has the same flow and pressure capabilities as the MT-R. Nozzle is hardcoat anodized aluminum for maximum resistance to corrosion and wear. Specify coupling (6” ANSI 150 or 6” Storz). 6” Storz inlet is standard.

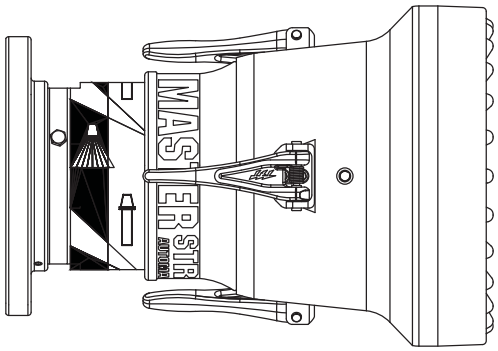
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

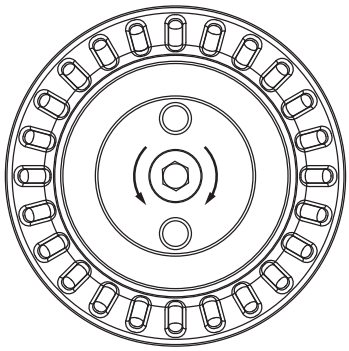
Selectable Flow

2500 & 5000 GPM (10,000 & 20,000 l/min)

The TFT Master Stream 5000 is a selectable nozzle with flow settings of 2500 & 5000 gpm (10000 & 20000 l/min) at 100 psi (8 bar). The Master Stream 5000 features a unique user selectable flow control. The nozzle can easily be adjusted to either flow without the use of any tools. Simply screw the baffle in or out, depending on which flow is required. Applications include truck mounted deluge devices, fire boats, industrial applications, or anywhere a flow of 2500 gpm or 5000 gpm (10000 l/min or 20000 l/min) is necessary.

Model Suffix	Inlet	Outside Diameter	Bolt Hole Circle	Bolt Hole Diameter	Bolts
-6ASA	6" ANSI 150	11.00 ” (27.9cm)	9.500" (24.1cm)	7/8" (22mm)	8
-DN150	DN 150 PN16	11.22 ” (28.5cm)	9.449" (24cm)	29/32"(23mm)	8





The flow of this nozzle can be easily changed by rotating the baffle in or out to achieve the desired flow

MT-RF-6ASA
MT-RF-DN150

92.0 lbs (41.7kg)
18.30" Long (46.5cm)
13.3" Diameter (33.8cm)

MT-RF-6ASA - MASTER STREAM 5000 6” ANSI 150 FLANGE INLET - Super-high volume nozzle with flows of 2500 & 5000 GPM (10000 & 20000 l/min). The Master Stream 5000 incorporates field adjustable flow settings for a nozzle pressure of 100 PSI (8 bar). Continuously variable pattern from straight stream to wide fog. Includes folding handles for manual pattern control. Massive cast aluminum bumper incorporates TFT’s “power fog” teeth for full finger-free fog pattern. Hardcoat anodized aluminum for maximum resistance to corrosion and wear. Specify inlet size (6” ANSI 150, DN150 PN16). 6” ANSI 150 Flange is standard.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

REMOTE CONTROL ACCESSORIES

These accessories and components are for use with Tornado RC, Hurricane RC, Typhoon RC and Monsoon RC and allow control of the monitors at remote locations. The Panel Mount, Tethered and Wireless Operator Stations have a waterproof membrane switch to control vertical, horizontal, and nozzle patterns, as well as the programmable PARK and Oscillate. Power, PARK and Oscillate indicator lights are standard. Two Auxiliary buttons are included and require the Remote Auxiliary Function Relay Interface Box or valve kit or Extend-A-Gun RC to control lights, valve controllers or other equipment. All operator stations are equipped with "last button pressed" software so any button presses from the operator station will take over control from any other operator station. These operator stations can also be configured, by an internal DIP switch, as a "master" station so that commands from the operator station cannot be overridden.

Y4E-RP-D

2.7 lb (1.2kg)
8.00" x 5.625" x 3.5"
(20.3 x 14.3 x 8.9 cm)



Y4E-RP-D PANEL MOUNT MONITOR OPERATOR STATION WITH DISPLAY – Allows RC monitors to be controlled from a remote location and is designed to be mounted in a panel. The unit is easily configurable for muti-monitor control. This will allow a user to control up to ten TFT RC monitors from one operator station. This operator station includes a display for advanced system feedback and a backlit control panel for improved visibility of controls in low-light conditions. All terminal blocks for wire connections are removable for easy termination. The enclosure has an O-ring seal, liquid tight strain relief fittings with O-rings, and a membrane switch to keep water out. A 30' long cable for incoming power and communication connections is supplied pre-connected. This operator station is equipped with "last button pressed" software or can be configured as a "master" station.

Y4E-RP

2.7 lb (1.2kg)
8.00" x 5.625" x 3.5"
(20.3 x 14.3 x 8.9 cm)



Y4E-RP PANEL MOUNT MONITOR OPERATOR STATION - This operator station allows the electric monitor to be controlled from a remote location and is designed to be flush mounted in a panel. This station may be used as the central location for terminating the wires from the monitor, incoming power, or hard wired inputs. All terminal blocks for wire connections are removable for easy terminating. The enclosure has an o-ring seal, liquid tight strain relief fittings with o-rings, and a membrane switch to keep water out. A 30' long cable for incoming power and communication connections is supplied pre-connected. This operator station is equipped with "last button pressed" software or can be configured as a "master" station.

Y4E-CT-10-D

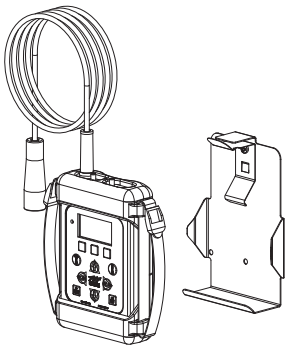
7.6 lb (3.4kg)
7.30" (18.4cm)

Y4E-CT-30-D

7.6 lb (3.4kg)
7.30" (18.4cm)

Y4E-CT-100-D

7.6 lb (3.4kg)
7.30" (18.4cm)



Y4E-CT-10-D TETHERED MONITOR OPERATOR STATION WITH DISPLAY - Allows RC monitors to be controlled from a handheld pendant and is supplied with a stainless steel mounting bracket to securely store the unit. The unit is easily configurable for muti-monitor control. This will allow a user to control up to ten TFT RC monitors from one operator station. This operator station includes a display for advanced system feedback and a backlit control panel for improved visibility of controls in low-light conditions. The enclosure has an O-ring seal, liquid tight strain relief fitting with O-rings, and a membrane switch to keep water out. The pendant receptacle can be connected to the Panel Mount Operator Station or directly to the monitor through a customer supplied terminal block. A cable is supplied pre-connected to the panel-mounted receptacle and includes waterproof cap and chain. The Tethered Control Station is supplied with a 10' long pre-connected cable that plugs into a panel-mounted receptacle. This operator station is equipped with "last button pressed" software or can be configured as a "master" station. Mounting bracket meets NFPA 1901 9G force requirements which ensures the security of equipment and safety of personnel.

Y4E-CT-30-D TETHERED MONITOR OPERATOR STATION - Same as above but the Tethered Control Station is supplied with a 30' long pre-connected cable.

Y4E-CT-100-D TETHERED MONITOR OPERATOR STATION - Same as above but the Tethered Control Station is supplied with a 100' long pre-connected cable.

Contact customer service for longer tether.

Y4E-CT-10

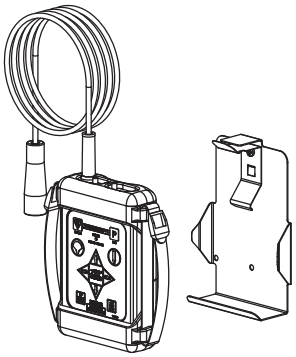
7.6 lb (3.4kg)
7.30" (18.4cm)

Y4E-CT-30

7.6 lb (3.4kg)
7.30" (18.4cm)

Y4E-CT-100

7.6 lb (3.4kg)
7.30" (18.4cm)



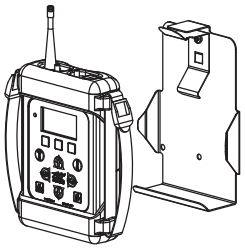
Y4E-CT-10 TETHERED MONITOR OPERATOR STATION - This operator station allows the electric monitor to be controlled from a handheld pendant. This operator station is supplied with a stainless steel mounting bracket to securely store the unit. The enclosure has an o-ring seal, liquid tight strain relief fitting with o-rings, and a membrane switch to keep water out. Any commands from this operator station will override commands made on the monitor control box. The pendant receptacle can be connected to the Panel Mount Operator Station or directly to the monitor through a customer supplied terminal block. A cable is supplied pre-connected to the panel-mounted receptacle and includes waterproof cap and chain. The Tethered Control Station is supplied with a 10' long pre-connected cable. This pendant plugs into a panel-mounted receptacle. This operator station is equipped with "last button pressed" software or can be configured as a "master" station. Mounting bracket meets NFPA 1901 9G force requirements which ensures the security of equipment and safety of personnel.

Y4E-CT-30 TETHERED MONITOR OPERATOR STATION - Same as above but the Tethered Control Station is supplied with a 30' long pre-connected cable.

Y4E-CT-100 TETHERED MONITOR OPERATOR STATION - Same as above but the Tethered Control Station is supplied with a 100' long pre-connected cable.
Contact customer service for longer tether.

YE-RF-900-D

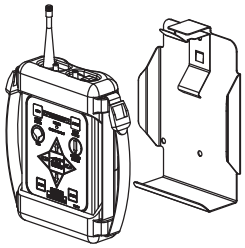
3.1 lb (1.4kg)
11.30" (28.7cm)



YE-RF-900-D WIRELESS MONITOR OPERATOR STATION WITH DISPLAY, 900 MHzAllows RC monitors to be controlled using a wireless handheld transmitter. The unit is easily configurable for muti-monitor control. This will allow a user to control up to ten TFT RC monitors from one operator station. The wireless transmitter will operate up to 500 feet away from the truck and is supplied with a stainless steel mounting bracket to securely store the handheld unit. This operator station includes a display for advanced system feedback and a backlit control panel for improved visibility of controls in low-light conditions. Mounting bracket meets NFPA 1901 9G force requirements which ensures the security of equipment and safety of personnel. See RC monitor installation & operation manual for operating frequency agency approvals or consult factory for agencies not listed. Order one radio & antenna for each RC monitor, listed below.
YE-RF-2400-D WIRELESS MONITOR OPERATOR STATION, 2.4 GHz Commonly used for International installations. Same as the YE-RF-900-D with a different operating frequency.

YE-RF-900
YE-RF-2400

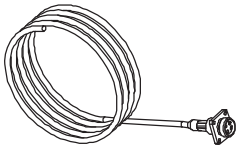
3.1 lb (1.4kg)
11.30" (28.7cm)



YE-RF-900 WIRELESS MONITOR OPERATOR STATION, 900 MHz - This operator station allows one RC monitor to be controlled using a wireless handheld transmitter. The wireless transmitter will operate up to 500 feet away from the truck. This operator station is supplied with a stainless steel mounting bracket to securely store the handheld unit. Mounting bracket meets NFPA 1901 9G force requirements which ensures the security of equipment and safety of personnel. See RC monitor installation & operation manual for operating frequency agency approvals or consult factory for agencies not listed. Order one radio & antenna for each RC monitor, listed below.
YE-RF-2400 WIRELESS MONITOR OPERATOR STATION, 2.4 GHz Commonly used for International installations. Same as the YE-RF-900 with a different operating frequency.

YE-RECEP-4

30.00ft (9.1m)

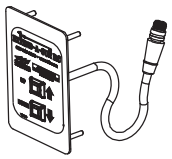




YE-RECEP-4 PANEL MOUNTED RECEPTACLE - This receptacle allows tethered monitor operator stations to be connected at additional locations. A 30' long cable with a pre-connected receptacle is supplied. Includes waterproof cap and chain.

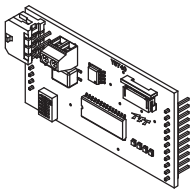
XGA-RP

1.0 lb (0.4kg)
5.25" x 3.75"
(13.3cm x 9.5cm)



XGA-RP PANEL MOUNT RC EXTEND-A-GUN OPERATOR STATION This operator station allows the RC Extend-A-Gun to be controlled from a remote location when the user wants a separate control from a TFT RC monitor operator station or if there is no RC monitor up/down button available. The plate is designed to be flush mounted in a panel and a 12' long pre-connected cable. ***NOTE: This operator station is required if the RC Extend-A-Gun is not installed with a TFT RC Monitor and 6' companion cable which must be installed in RC Extend-A-Gun. Interface box is supplied.***

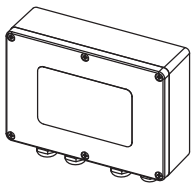
YE-CAN1



YE-CAN1 MULTIPLEX INTERFACE - FOR RC MONITORS AND VUMS The Multiplex Interface Control converts CANbus signals into serial communications for controlling a TFT RC monitor or valve. This module is designed to work on a J1939 CANbus system and allows control of all TFT RC Monitors and RC Valvle Under Monitor, Module typically installed in ladder/platform monitor electronics interface box.

YE-ETHER
YE-ETH-WIFI
YE-ETH-PLC

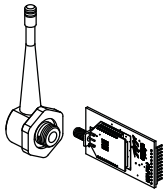
2.5 lb (1.1kg)
11.30" (28.7cm)



YE-ETHER ETHERNET INTERFACE CONTROL FOR WIRED NETWORKS This interface box enables a TFT RC monitor to be connected and controlled via a standard wired Ethernet network. This unit is designed to be operated from a PC or tablet running a standard web browser. The interface acts as a web server and no custom software is required. The interface box includes a pre-wired 10' cable with receptacle for monitor connections and a 10' cable for power connections and communication connections to other remote accessories (if any).

YE-ETH-WIFI ETHERNET INTERFACE CONTROL FOR WIRELESS NETWORKS Same as above except for use with standard wireless Ethernet networks.

YE-RF-RAD-9
YE-RF-RAD-24



YE-RF-RAD-9 WIRELESS MONITOR RADIO & ANTENNA, 900MHZ – This radio and antenna option is required to enable a TFT RC monitor to operate along with the wireless operator stations described above. One radio & antenna item is required for each RC monitor. When ordered at the same time as the RC monitor, radio & antenna will be installed by TFT assembly personnel.

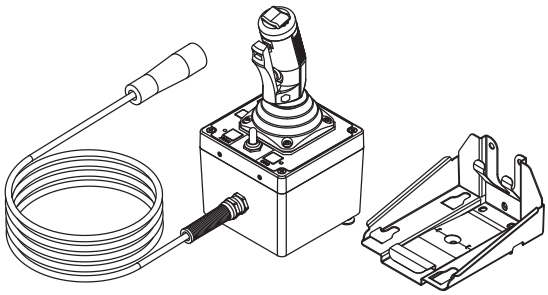
YE-RF-RAD-24 WIRELESS MONITOR RADIO & ANTENNA, 2.4GHZ – Commonly used for International installations. Same as the YE-RF-RAD-9 with a different operating frequency.

Call Customer Service for upgrade capabilities.

REMOTE CONTROL ACCESSORIES

Y4E-JS
Y4E-JS-51
Y4E-JS-52

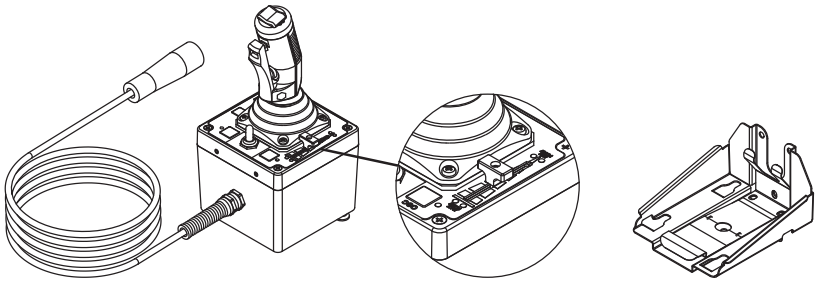
5.0 lb (2.3 kg)
10.00" x 4.75" x 4.75"
(25.4 x 12 x 12 cm)



Y4E-JS JOYSTICK MONITOR OPERATOR STATION This operator station allows any TFT RC electric monitor to be controlled using a joystick. Moving the joystick controls monitor vertical and horizontal movement. Thumb switches control nozzle pattern. A trigger built into the joystick handle can be used to open and close some water valves. The joystick is factory installed on an enclosure that houses the control electronics and a 10' cable is supplied with stripped wires for connection in the control system terminal box. The joystick control is also equipped with push buttons on top for PARK and OSCILLATE functions as well as monitor DEPLOY. An additional configurable button can be set up for RC Extend-A-Gun or LED light kit control. A toggle switch is available to select water valve open, close, or joystick control. The joystick control can be configured for proportional speed control of the horizontal and vertical axis. The joystick control is factory wired so that the AUX2 button on TFT monitor operator stations will also open and close the water valve. Mounting bracket meets NFPA 1901 9G force requirements which ensures the security of equipment and safety of personnel.
Y4E-JS-51 Same as above except cable has plug and includes bulkhead receptacle with stripped wires for connection to control system.
Y4E-JS-52 Same as above except cable has plug to connect to YE-VK valve interface box receptacle (not included).

Y4E-JS-GT
Y4E-JS-GT-R
Y4E-JS-GT-NP

5.0 lb (2.3 kg)
10.00" x 4.75" x 4.75"
(25.4 x 12 x 12 cm)



Y4E-JS-GT - JOYSTICK MONITOR OPERATOR STATION WITH GATEABLE VALVE CONTROL This Joystick Monitor Operator Station is specialized for TFT RC monitor systems that are operated in conjunction with a TFT Gateable Valve Kit. This version is the same as the standard Joystick Monitor Operator Station but also includes a valve opening adjustment slider to control the valve position on TFT Gateable Valve Kits. The Joystick includes a 10' cable that has a plug to connect to the YE-VKG valve interface box receptacle (not included). Mounting bracket meets NFPA 1901 9G force requirements which ensures the security of equipment and safety of personnel.

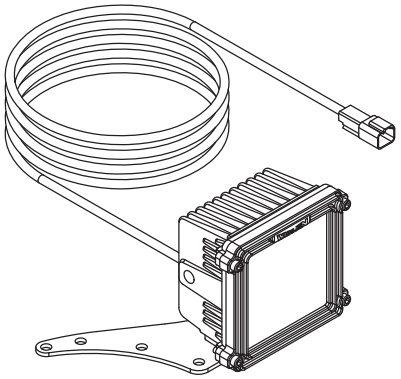
Y4E-JS-GT-R – Same as Y4E-JS-GT except cable has plug and includes bulkhead receptacle with stripped wires for connection to control system.
Y4E-JS-GT-NP – Same as Y4E-JS-GT except has 10' cable with stripped wires for connection to control system.
NOTE: Consult factory for instructions to enable proportional speed control.

YE-LK12-KIT

1.7 lb (0.8kg)
4.30" (10.9cm) Height

YE-LK24-KIT

1.7 lb (0.8kg)
4.30" (10.9cm) Height

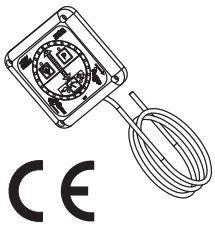


YE-LK12-KIT LED SEARCH-LIGHT KIT, 12V - for mounting to remote controlled Tornado and Typhoon monitors.

YE-LK24-KIT LED SEARCH-LIGHT KIT, 24V - for mounting to remote controlled Tornado and Typhoon monitors.

Y4E-DISP

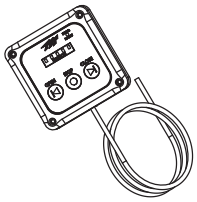
2.7 lb (1.2kg)
4.25” x 3.5”
(10.7cm x 8.9cm)



Y4E-DISP MONITOR POSITION DISPLAY - This display will show the stream position of any TFT RC electric monitor. Position is indicated by two sets of LEDs, one set for the vertical position and one set for the horizontal position. Buttons for the PARK & Oscillate features and HIGH/LOW speed selection are also supplied. A 10’ long 4-conductor cable for power and communication is supplied pre-connected. ***NOTE: When installed on systems w/RC Extend-A-Gun, the current state is indicated by LED (raised/lowered)***

A-DISP

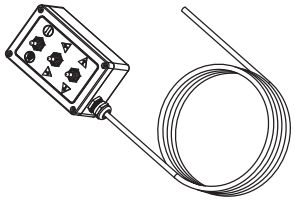
2.7 lb (1.2kg)
4.25” x 3.5”
(10.7cm x 8.9cm)



A-DISP VALVE POSITION DISPLAY - This display will show the position of any TFT RC Ball Intake Valve or Valve Under Monitor. Position is indicated by 5 LEDs, one red for CLOSED, one green for OPEN, and three yellow for intermediate positions . Buttons for valve open, stop, close are also included. A 20’ long 4-conductor cable w/Deutsh quick-connect plug for power and communication is supplied pre-connected.

Y4E-TS

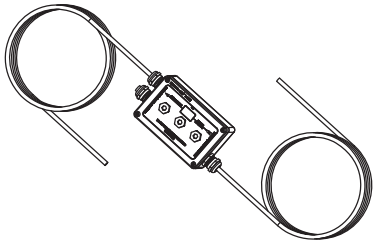
2.7 lb (1.2kg)
8.00" (20.3cm)



Y4E-TS TOGGLE SWITCH MONITOR OPERATOR STATION - This operator station allows any TFT RC electric monitor to be controlled using three toggle switches. Switches control monitor vertical and horizontal movement plus nozzle pattern adjustment. The operator station can be surface mounted. A 10' long 4-conductor cable for power and communication is supplied pre-connected. This operator station is equipped with “last button pressed” software or can be configured as a “master” station.

Y4E-COMM

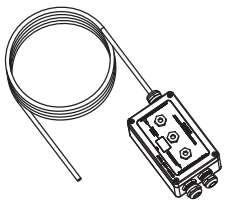
2.7 lb (1.2kg)
8.00" (20.3cm)



Y4E-COMM MONITOR COMMUNICATION INTERFACE BOX - This communication interface box converts discrete input signals into communications for controlling any TFT RC electric monitor. The discrete input signals can be from a joystick, installer supplied toggle switches, relay contacts or canbus output module. The interface box accepts +12/24 VDC signals, but can be field changed to accept ground signals. This interface box also includes a relay to indicate when the monitor is in PARK position and has contacts that can be connected into the door open or Extend-A-Gun raised warning light. The interface box can be surface mounted. A 10’ long 4-conductor cable for power and communication is supplied pre-connected. Also a 10’ long cable is supplied pre-connected for connection to the input signals. This interface box is equipped with “last button pressed” software or can be configured as a “master” station.

YE-REMAUX

2.7 lb (1.2kg)
8.00" (20.3cm)



YE-REMAUX REMOTE AUXILIARY FUNCTION RELAY INTERFACE BOX This interface box allows a user to utilize the AUX1 and AUX2 buttons located on the monitor operator station, any remote operator station with a membrane switch or inputs located in part #Y4E-COMM. The interface box is equipped with two relays that can operate lights, interface to a valve controller or in some cases operate a valve directly, etc. The contact rating of the relay is 16 amps @ 30VDC for resistive loads and 8 amps @ 30VDC for inductive loads. A 10’ long 4-conductor cable for power and communication is supplied pre-connected.

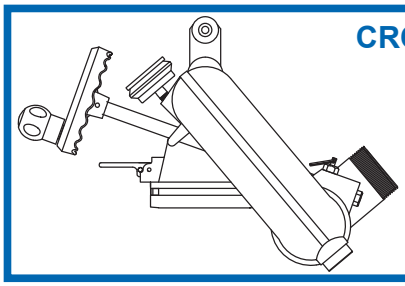
CROSSFIRE®

Pumper Combination Package Crossfire & Extend-A-Gun

XFC-71

XFC-71 PACKAGE CONTAINS:
- CROSSFIRE Monitor Top
- Your Choice of Manual Extend-A-Gun
- Your Choice of Mounting Bracket Set

CROSSFIRE TOP INCLUDED



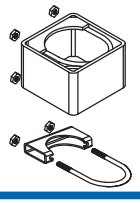
XFT-NJ — 2.5”NH Outlet
Monitor Top
1250 gpm (4500 l/min)

3” BRACKET SET CHOICE

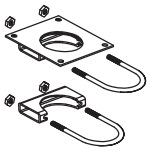
Choose One Option ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13** TUBE/ SADDLE



☐ **XGB-23** PLATE/ SADDLE



☐ **XGB-33** SADDLE/ SADDLE



CHOICE OF EXTEND-A-GUN

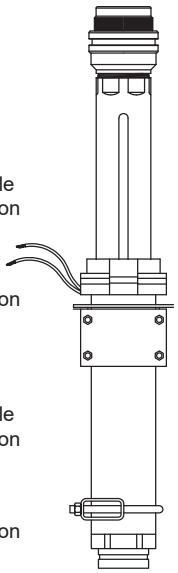
Choose One Option ☑

☐ **XG12PL-XL**
3” Tapered Pipe Male
12” Extended Position

☐ **XG12VL-XL**
3” Victaulic (75mm)
12” Extended Position

☐ **XG18PL-XL**
3” Tapered Pipe Male
18” Extended Position

☐ **XG18VL-XL**
3” Victaulic (75mm)
18” Extended Position



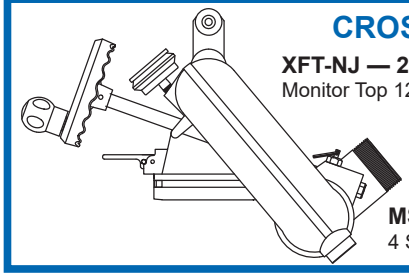
CROSSFIRE®

Pumper Combination Package Crossfire & Extend-A-Gun

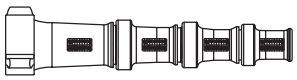
XFC-72

XFC-72 PACKAGE CONTAINS:
- CROSSFIRE Monitor Top
- Quad Stack Tips
- Your Choice of Stream Straightener
- Your Choice of Manual Extend-A-Gun
- Your Choice of Mounting Bracket Set

CROSSFIRE TOP & QUAD TIPS INCLUDED



XFT-NJ — 2.5”NH Outlet
Monitor Top 1250 gpm (4500 l/min)



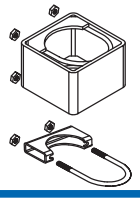
MST-4NJ — 2.5”NH
4 Stacked Tips Laser Engraved Flow Charts

3” BRACKET SET CHOICE

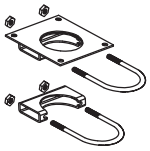
Choose One Option ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13** TUBE/ SADDLE



☐ **XGB-23** PLATE/ SADDLE



☐ **XGB-33** SADDLE/ SADDLE



CHOICE OF EXTEND-A-GUN

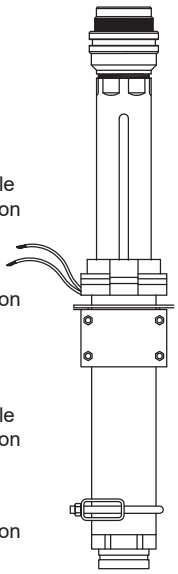
Choose One Option ☑

☐ **XG12PL-XL**
3” Tapered Pipe Male
12” Extended Position

☐ **XG12VL-XL**
3” Victaulic (75mm)
12” Extended Position

☐ **XG18PL-XL**
3” Tapered Pipe Male
18” Extended Position

☐ **XG18VL-XL**
3” Victaulic (75mm)
18” Extended Position

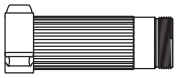


CHOICE OF STREAM STRAIGHTENER

Choose One Option ☑



☐ **XF-SS5**
5” 2.5” NH



☐ **XF-SS10**
10” 2.5” NH

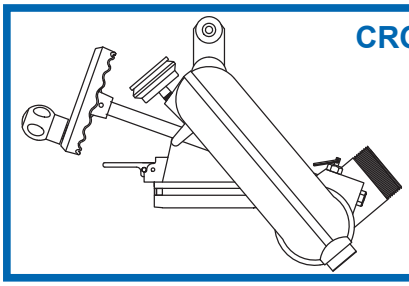
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Pumper Combination Packages Crossfire & Extend-A-Gun

XFC-73

XFC-73 PACKAGE CONTAINS:
- CROSSFIRE Monitor Top
- Your Choice of Halo Master Stream Nozzle
- Your Choice of Manual Extend-A-Gun
- Your Choice of Mounting Bracket Set

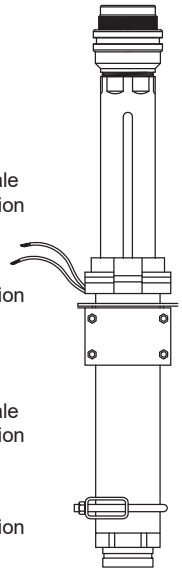
CROSSFIRE TOP INCLUDED



XFT-NJ — 2.5”NH Outlet
Monitor Top
1250 gpm (4500 l/min)

CHOICE OF EXTEND-A-GUN

Choose **One Option** ☑



☐ **XG12PL-XL**
3” Tapered Pipe Male
12” Extended Position

☐ **XG12VL-XL**
3” Victaulic (75mm)
12” Extended Position

☐ **XG18PL-XL**
3” Tapered Pipe Male
18” Extended Position

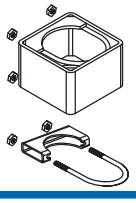
☐ **XG18VL-XL**
3” Victaulic (75mm)
18” Extended Position

3” BRACKET SET CHOICE

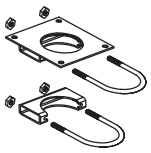
Choose One Option ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

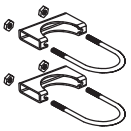
☐ **XGB-13**
TUBE/
SADDLE



☐ **XGB-23**
PLATE/
SADDLE



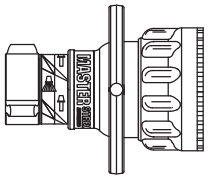
☐ **XGB-33**
SADDLE/
SADDLE



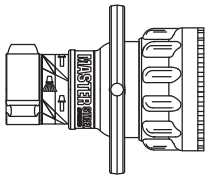
CHOICE OF NOZZLE

Choose **One Option** ☑

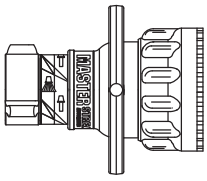
☐ **M-R1000-NJ — 2.5”NH**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-4000 l/min)



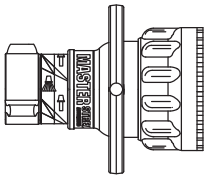
☐ **M-R1250SNJ — 2.5”NH**
Automatic Pressure Nozzle
150-1250 gpm flow range
(600-4500 l/min)



☐ **M-RS1000-NJ — 2.5”NH**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
Flow is User Adjusted
gpm is based on 100 psi



☐ **M-RF1000-NJ — 2.5”NH**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure



OEM INSTALLED COMPONENTS

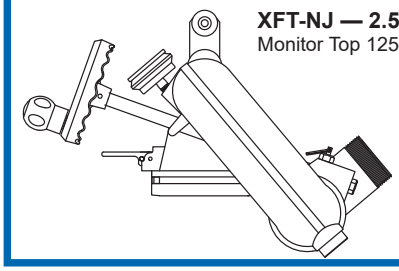
CROSSFIRE®

Pumper Combination Packages Crossfire & Extend-A-Gun

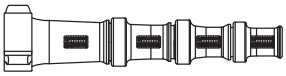
XFC-62

XFC-62 PACKAGE CONTAINS:
- CROSSFIRE Monitor Top
- Quad Stacked Tips
- Crossfire Storage Bracket
- SAFE-TAK 1250 Base w/Choice of Inlet
- Your Choice of Halo Master Nozzle
- Your Choice of Stream Straightener
- Your Choice of Manual Extend-A-Gun
- Choice of Mounting Bracket Set

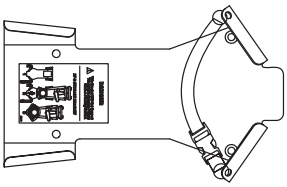
CROSSFIRE TOP, QUAD TIPS & BRACKET INCLUDED



XFT-NJ — 2.5"NH Outlet
Monitor Top 1250 gpm (4500 l/min)



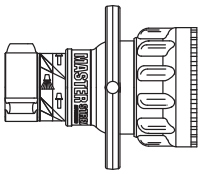
MST-4NJ — 2.5"NH
4 Stacked Tips Laser Engraved Flow Charts



XF-B
Crossfie Storage Bracket

CHOICE OF NOZZLE

Choose **One Option** ☑



☐ **M-R1000-NJ — 2.5"NH**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-4000 l/min)

☐ **M-RF1000-NJ — 2.5"NH**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure

☐ **M-RS1000-NJ — 2.5"NH**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
Flow is User Adjusted
gpm is based on 100 psi

☐ **M-R1250SNJ — 2.5"NH**
Automatic Pressure Nozzle
150-1250 gpm flow range
(600-4500 l/min)

CHOICE OF EXTEND-A-GUN

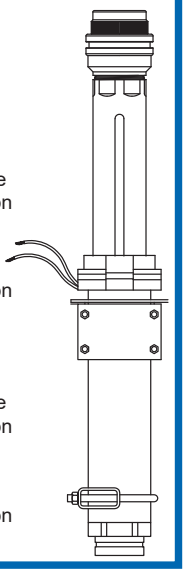
Choose **One Option** ☑

☐ **XG12PL-XL**
3" Tapered Pipe Male
12" Extended Position

☐ **XG12VL-XL**
3" Victaulic (75mm)
12" Extended Position

☐ **XG18PL-XL**
3" Tapered Pipe Male
18" Extended Position

☐ **XG18VL-XL**
3" Victaulic (75mm)
18" Extended Position

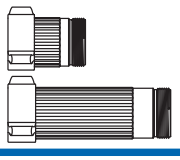


CHOICE OF STREAM STRAIGHTENER

Choose **One Option** ☑

☐ **XF-SS5**
5" 2.5" NH

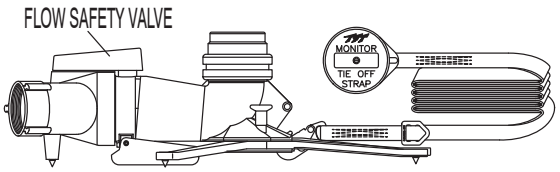
☐ **XF-SS10**
10" 2.5" NH



SAFE-TAK 1250 BASE w/CHOICE OF INLETS

Choose **One Option** ☑

XFH-*
SAFE-TAK 1250
Portable Base



☐ **XFH-1NP**
Single 4"NH
(100mm)

☐ **XFH-1ST**
Single 5"Storz
(125mm)

☐ **XFH-1NL**
Single 3"NH
(75mm)

☐ **XFH-1NR**
Single 4.5"NH
(115mm)

☐ **XFH-1SX**
Single 6"Storz
(150mm)

☐ **XFH-1NN**
Single 3.5"NH
(90mm)

☐ **XFH-1SP**
Single 4"Storz
(100mm)

☐ **XFH-2NJ**
Dual 2.5"NH
(65mm)

CHOICE OF 3" BRACKET SET

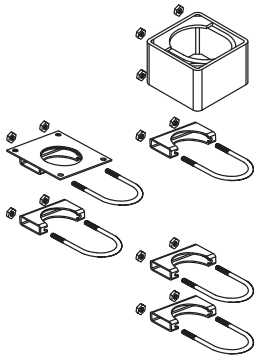
Choose **One Option** ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13**
TUBE/
SADDLE

☐ **XGB-23**
PLATE/
SADDLE

☐ **XGB-33**
SADDLE/
SADDLE



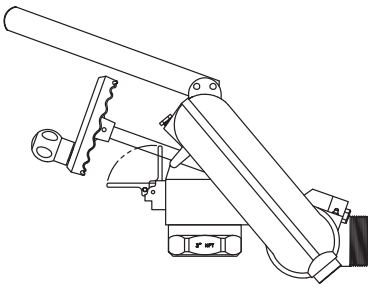
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Pumper Combination Package Hurricane and Extend-A-Gun

XFC-63

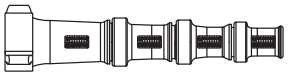
XFC-63 PACKAGE CONTAINS:
- HURRICANE Monitor
- Quad Stacked Tips
- Your Choice of Halo Master Nozzle
- Your Choice of Stream Straightener
- Your Choice of Manual Extend-A-Gun
- Choice of Mounting Bracket Set

FIXED STATION MONITOR & QUAD TIPS INCLUDED



XFI-PLNJ HURRICANE MONITOR
3" (75mm) Female NPT Inlet
2.5" NH (65mm) Outlet
1250 gpm (4500 l/min)

FM APPROVED

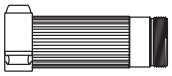


MST-4NJ — 2.5"NH
4 Stacked Tips
Laser Engraved Flow Charts

CHOICE OF STREAM STRAIGHTENER

Choose **One Option** ☑

☐ 
XF-SS5
5" (125 mm) vane length

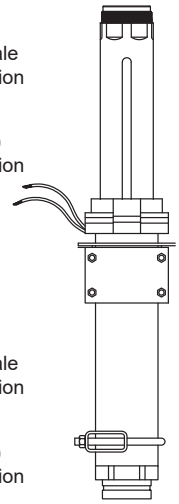
☐ 
XF-SS10
10" (250 mm) vane length

CHOICE OF EXTEND-A-GUN

Choose **One Option** ☑

☐ **XG12PL-PL**
3" Tapered Pipe Male
12" Extended Position

☐ **XG12VL-PL**
3" Victaulic (75mm)
12" Extended Position



☐ **XG18PL-PL**
3" Tapered Pipe Male
18" Extended Position

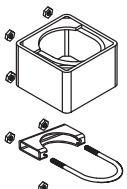
☐ **XG18VL-PL**
3" Victaulic (75mm)
18" Extended Position

CHOICE OF 3" BRACKET SET

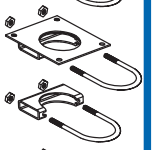
Choose **One Option** ☑

For safe dependable service, the Extend-A-Gun MUST be securely mounted. To make the Extend-A-Gun as versatile as possible, three mounting bracket kits are offered.

☐ **XGB-13**
TUBE/
SADDLE



☐ **XGB-23**
PLATE/
SADDLE

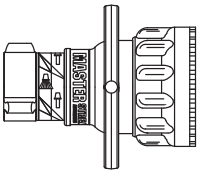


☐ **XGB-33**
SADDLE/
SADDLE



CHOICE OF NOZZLE

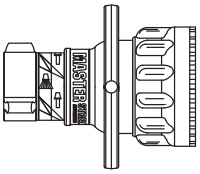
Choose **One Option** ☑



☐ **M-R1000-NJ — 2.5"NH**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-4000 l/min)

☐ **M-RS1000-NJ — 2.5"NH**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
Flow is User Adjusted
gpm is based on 100 psi

☐ **M-RF1000-NJ — 2.5"NH**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure



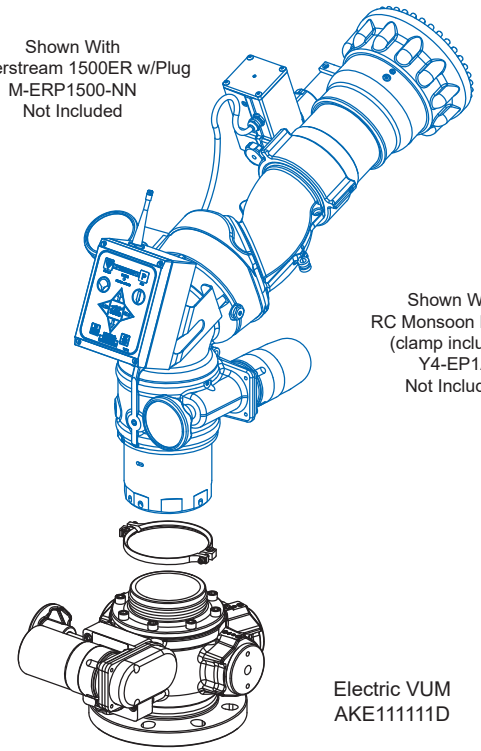
☐ **M-R1250SNJ — 2.5"NH**
Automatic Pressure Nozzle
150-1250 gpm flow range
(600-4500 l/min)

OEM INSTALLED COMPONENTS

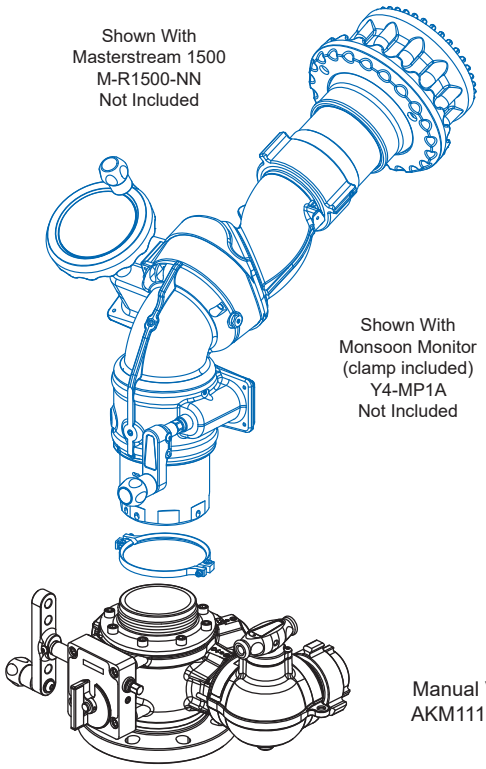
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

VALVE UNDER MONITOR

The Valve Under Monitor (VUM) is a lightweight, low friction-loss valve and manifold for installation directly beneath monitors on ladders and platforms. The VUM combines the robust valve mechanism from the TFT Ball Intake Valve with a 4" ANSI 150 inlet and up to four 2.5" outlets. The 2.5" outlets are available with integrated valves, male hose threads or female pipe threads. Maximum operating pressure is 300 psi (21 bar). When paired with a TFT monitor, the monitor flange is omitted for additional weight savings and ease of installation. Electric remote controlled (RC) models may be controlled from a dedicated panel mount control, customer supplied switches or from TFT RC Monitor Operator Stations. RC models are designed for 12 VDC or 24 VDC operation, selection is automatic. RC models include an interface enclosure to connect external control signals. These signals can either be hard wired or from a CANbus output module. The interface enclosure includes two relays for customer feedback of open or closed valve status. The interface enclosure is factory configured to accept +12/24 VDC signals, but can be reconfigured in field to accept ground signals.



Electric VUM
AKE111111D



Manual VUM
AKM111113D

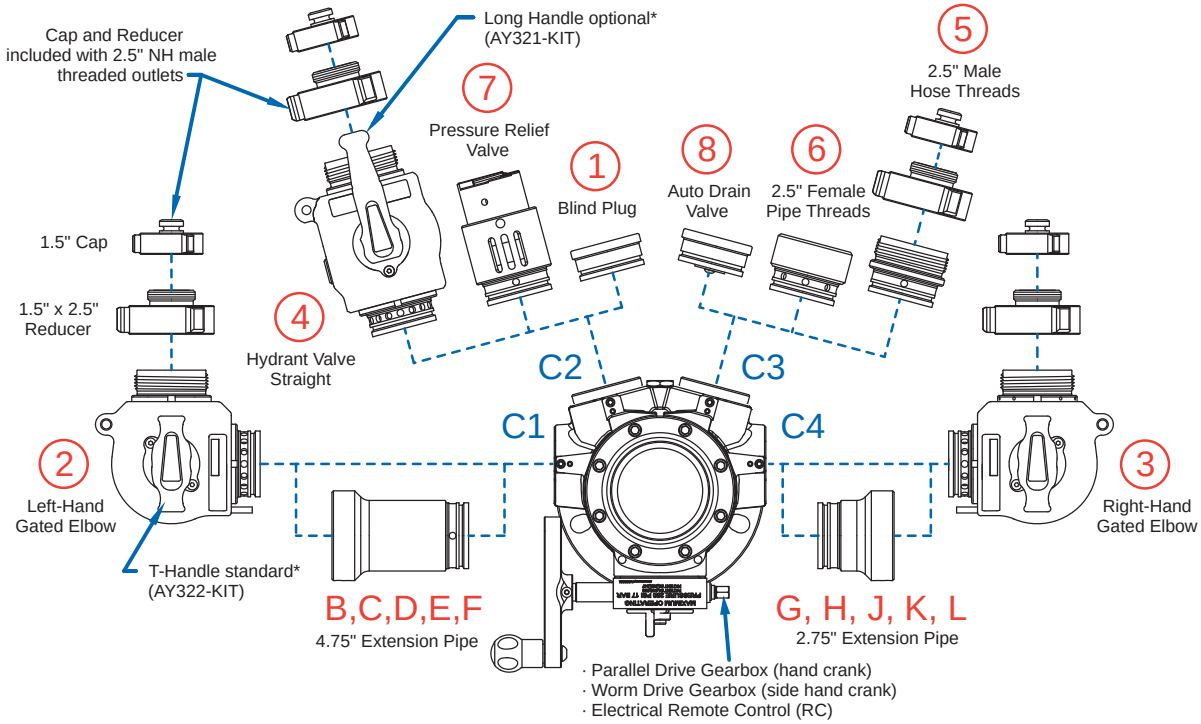
ACCEPTABLE MONITOR INSTALLATIONS		
TFT CODE-RPF AND QUICK CONNECT MONITORS MEASURING LESS THAN 19	FLANGED MONITORS MEASURING LESS THAN 16"	FLANGED MONITORS MEASURING GREATER THAN 16"
MONSOON Y4-MP1A or MQ1A	HURRICANE XFI-FPNJ	TYPHOON Y5-D21A *
MONSOON Y4-TP1A or TQ1A	HURRICANE XFIE-FPNJ	TYPHOON Y5-M21A *
MONSOON RC Y4-EP1A or EQ1A	HURRICANE XFIH-D21A*	TYPHOON Y5-T21A *
TYPHOON Y5-DP1A or DQ1A	HURRICANE XFIH-T21A*	TYPHOON RC Y5-EA1A-L
TYPHOON Y5-MP1A or MQ1A	HURRICANE RC XFIH-E21A*	TYPHOON RC Y5-E21A-L *
TYPHOON Y5-TP1A or TQ1A	MONSOON Y4-M21A *	TYPHOON RC Y5-E21A-L20 *
TYPHOON RC Y5-EA1A-L	MONSOON Y4-T21A *	TYPHOON RC Y5-E21A-L80 *
TYPHOON RC Y5-EP1A-L or EQ1A-L	MONSOON RC Y4-E21A *	TYPHOON RC Y5-E21A-P *
TYPHOON RC Y5-EP1A-P or EQ1A-P	***FLANGES (4" ANSI 150 OR DN100 PN16) CAN BE REMOVED FROM MOST TFT MONITORS IN ORDER TO USE THE CODE-RPM DIRECT CONNECTION.**	
HURRICANE XFIH-DP1A or DQ1A		
HURRICANE XFIH-TP1A or TQ1A		
HURRICANE RC XFIH-EP1A or EQ1A		
TORNADO Y2-T11A or TV1A		
TORNADO RC Y2-E11A or EV1A		

When ordering a Valve Under Monitor (VUM), choose one option from each category.

***For example:** Model AKE11111D is an electric drive, ANSI 150 Inlet, CODE-RPM (TFT Monitor Outlet) with blind plugs on ports Ports C1, C2, C3, C4 and has a Ball Drain installed.*

AKM111113D is a Handwheel on side, ANSI 150 Inlet, CODE-RPM (TFT Monitor Outlet), with blind plugs on Ports C1, C2 and C3, a right hand gated elbow on port C4 and has a Ball Drain Installed.

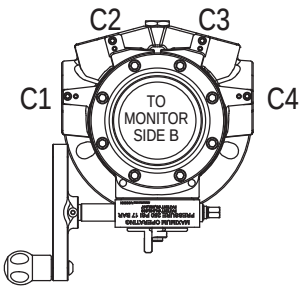
For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.



*T-Handle is not compatible with side B option "Q", so Long Handle is standard for those models instead.

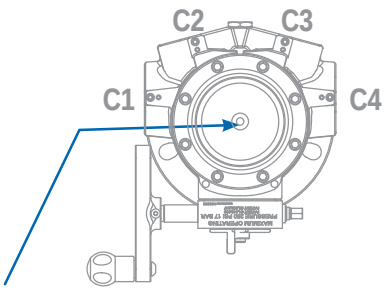
AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4			
Without Extension Pipe		With 4.75" Extension Pipe	With 2.75" Extension Pipe
1) Blind Plug			
2) 2.5" NH Gated Elbow Left-Hand*			
3) 2.5" NH Gated Elbow Right-Hand*			
4) 2.5" NH Hydrant Valve Straight*			
5) 2.5" NH Male Threads (no valve)			
6) 2.5" NPT Female Threads (no valve)			
7) Pressure Relief Valve		Add **Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.**	
8) External Automatic Drain Valve			

AUXILIARY PORT DESIGNATION

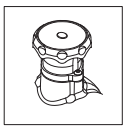


Note: Handwheel is factory configured on left-hand side of valve, but is field reversable for right-hand configuration.

OPTIONAL DRAIN



If the VUM is equipped with an automatic drain valve, the monitor will drain following use to the extent allowable by gravity, the monitor's orientation and its geometry. The drain valve, located in the half ball, is designed to close automatically when pressure exceeds 5 psi. When pressure drops below 5 psi, the drain valve will open.



Slow Close Valve Option is available on all models. Call for additional information.

OPTIONAL 3" FLANGE
Outlet or Inlet Adapter Available.

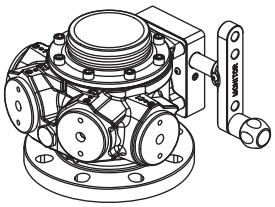
CONTACT CUSTOMER SERVICE FOR CONFIGURATIONS AND AVAILABILITY

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4
See Diagram and Chart on page 185
Add **Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.**

CRANK HANDLE CONTROL (WORM DRIVE GEARBOX)

Dimensional Minimum
AKM11***
20.6 lb (9.3 kg)
6.60” (16.8 cm) height
12.65” (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM11***
50.6 lb (23.0 kg)
6.60” (16.8 cm) height
33.20” (84.3 cm) width
24.10” (61.2 cm) depth



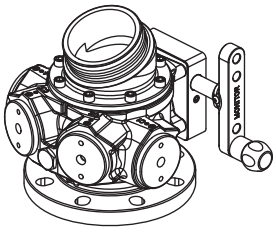
- Worm Drive Control
- 4” ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet

AKM11

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKM12***
21.3 lb (9.6 kg)
7.9” (20.1 cm) height
12.65” (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM12***
51.3 lb (23.3 kg)
7.9” (20.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



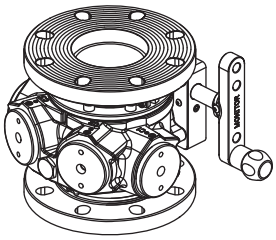
- Worm Drive Control
- 4” ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet

AKM12

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKM13***
25.2 lb (11.4 kg)
8.7” (22.1 cm) height
12.65” (84.3 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM13***
55.2 lb (25.0 kg)
8.7” (22.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



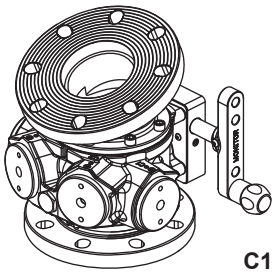
- Worm Drive Control
- 4” ANSI 150 Flange Inlet
- 4” ANSI 150 Flange Outlet

AKM13

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKM14***
26.3 lb (11.9 kg)
9.9” (25.1 cm) height
12.65 (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM14***
56.3 lb (25.5 kg)
9.9” (25.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



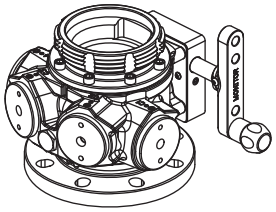
- Worm Drive Valve Control
- 4” ANSI 150 Flange Inlet
- 22.5° 4” ANSI 150 flange Outlet

AKM14

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKM1Q1111D
23.0 lb (10.4 kg)
8.20” (20.8 cm) height
12.65” (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM1Q***
53.0 lb (24.0 kg)
8.20” (20.8 cm) height
33.20” (84.3 cm) width
24.10” (61.2 cm) depth



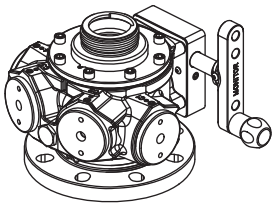
- Worm Drive Control
- 4” ANSI 150 Flange Inlet
- 4.5” NH Quick Connect Outlet for Monitors and Elbows

AKM1Q

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKM1T1111D
22.8 lb (10.3 kg)
8.1” (20.7 cm) height
12.65” (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM1T***
52.8 lb (23.9 kg)
8.1” (20.7 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



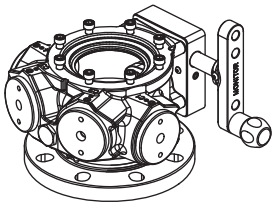
- Worm Drive Control
- 4” ANSI 150 Flange Inlet
- 2.5” NH Quick Connect Outlet for Tornado Monitor

AKM1T

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKM1V***
18.8 lb (8.5 kg)
6.1” (15.5 cm) height
12.65 (32.1 cm) width
12.20” (31.0 cm) depth

Dimensional Maximum
AKM1V***
48.8 lb (22.1 kg)
6.1” (15.5 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Worm Drive Valve Control
- 4” ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5” offset Typhoon

AKM1V

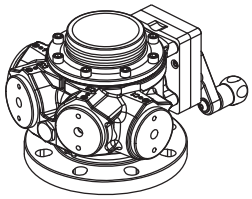
BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4
See Diagram and Chart on page 185
Add **Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.**

CRANK HANDLE CONTROL (PARALLEL DRIVE GEARBOX)

Dimensional Minimum
AKP111111D
20.6 lb (9.34 kg)
6.60” (16.8 cm) height
9.40” (23.9 cm) width
13.80” (35.1 cm) depth

Dimensional Maximum
AKP11***
50.7 lb (23.0 kg)
6.6” (16.8 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



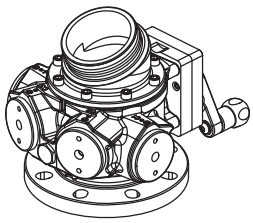
- Parallel Drive Valve Control
- 4” ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet

AKP11

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKP121111D
20.6 lb (9.34 kg)
7.9” (20.1 cm) height
9.4” (23.9 cm) width
13.8” (35.1 cm) depth

Dimensional Maximum
AKP12***
51.4 lb (23.3 kg)
7.9” (20.1 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



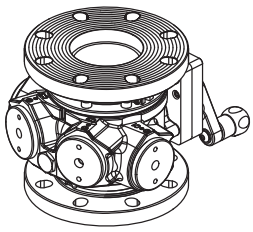
- Parallel Drive Valve Control
- 4” ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet

AKP12

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKP131111D
25.2 lb (11.4 kg)
8.7” (22.1 cm) height
9.4” (23.9 cm) width
13.8” (35.1 cm) depth

Dimensional Maximum
AKP13***
55.2 lb (25.0 kg)
8.7” (22.1 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



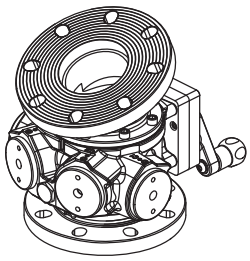
- Parallel Drive Valve Control
- 4” ANSI 150 Flange Inlet
- 4” ANSI 150 Flange Outlet

AKP13

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKP14***
26.3 lb (11.9 kg)
9.9” (25.1 cm) height
9.40” (23.9 cm) width
13.80” (35.1 cm) depth

Dimensional Maximum
AKP14***
56.3 lb (25.5 kg)
9.9” (25.1 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



- Parallel Drive Valve Control
- 4” ANSI 150 Flange Inlet
- 22.5° 4” ANSI 150 flange Outlet

AKP14

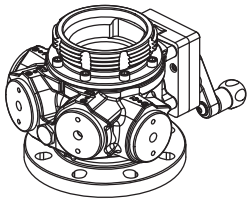
BASE MODEL

	AUXILIARY PORTS					
	C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices

D=Drain
Z=No Drain

Dimensional Minimum
AKP1Q1111D
22.7 lb (10.30 kg)
8.20” (20.8 cm) height
9.40” (23.9 cm) width
13.80” (35.1 cm) depth

Dimensional Maximum
AKP1Q***
52.7 lb (23.9 kg)
8.2” (20.8 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



- Parallel Drive Valve Control
- 4” ANSI 150 Flange Inlet
- 4.5” NH Quick Connect Outlet for Monitors and Elbows

AKP1Q

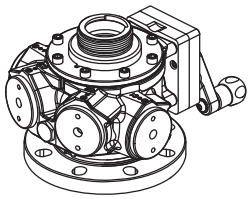
BASE MODEL

	AUXILIARY PORTS					
	C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices

D=Drain
Z=No Drain

Dimensional Minimum
AKP1T1111D
22.5 lb 10.40 kg)
8.1” (20.7 cm) height
9.4” (23.9 cm) width
13.8” (35.1 cm) depth

Dimensional Maximum
AKP1T***
52.5 lb (23.8 kg)
8.1” (20.7 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



- Parallel Drive Valve Control
- 4” ANSI 150 Flange Inlet
- 2.5” NH Quick Connect Outlet for Tornado Monitor

AKP1T

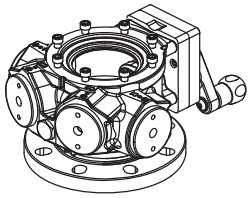
BASE MODEL

	AUXILIARY PORTS					
	C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices

D=Drain
Z=No Drain

Dimensional Minimum
AKP1V***
18.8 lb (8.5 kg)
6.1” (15.5 cm) height
9.40” (23.9 cm) width
13.80” (35.1 cm) depth

Dimensional Maximum
AKP1V***
48.8 lb (22.1 kg)
6.1” (15.5 cm) height
33.2” (84.3 cm) width
25.7” (65.3 cm) depth



- Parallel Drive Valve Control
- 4” ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5” offset Typhoon

AKP1V

BASE MODEL

	AUXILIARY PORTS					
	C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices

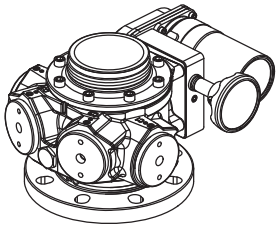
D=Drain
Z=No Drain

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4
See Diagram and Chart on page 185
Add **Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.**

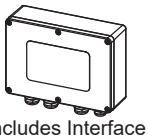
ELECTRIC REMOTE CONTROL (RC)

Dimensional Minimum
AKE111111D
25.0 lb (11.3 kg)
6.6” (16.8 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE11***
55.0 lb (24.9 kg)
6.6” (16.8 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control
- 4” ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet



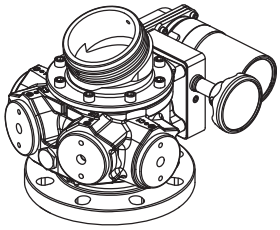
Includes Interface Enclosure

AKE11

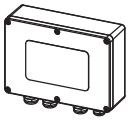
BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKE112111D
25.7 lb (11.7 kg)
7.9” (20.1 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE12***
55.7 lb (25.3 kg)
7.9” (20.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control
- 4” ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet



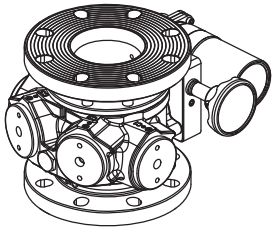
Includes Interface Enclosure

AKE12

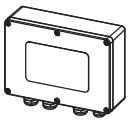
BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKE131111D
29.5 lb (13.4 kg)
8.7” (22.1 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE13***
59.5 lb (27.0 kg)
8.7” (22.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control
- 4” ANSI 150 Flange Inlet
- 4” ANSI 150 Flange Outlet



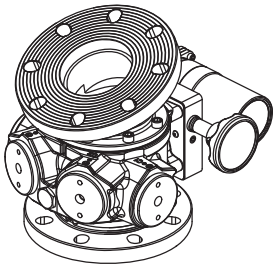
Includes Interface Enclosure

AKE13

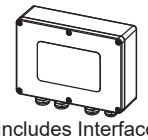
BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN	TOTAL Plus Aux Port Prices
					D=Drain Z=No Drain	

Dimensional Minimum
AKE14***
30.7 lb (13.9 kg)
9.9” (25.1 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE14***
60.7 lb (27.5 kg)
9.9” (25.1 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control
- 4” ANSI 150 Flange Inlet
- 22.5° 4” ANSI 150 flange Outlet



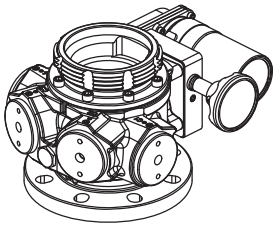
Includes Interface Enclosure

AKE14

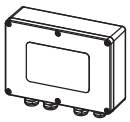
BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKE1Q1111D
27.3 lb (12.4 kg)
8.2” (20.8 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE1Q***
57.3 lb (26.0 kg)
8.2” (20.8 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control
- 4” ANSI 150 Flange Inlet
- 4.5” NH Quick Connect Outlet for Monitors and Elbows



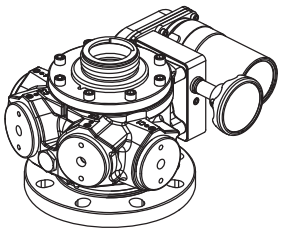
Includes Interface Enclosure

AKE1Q

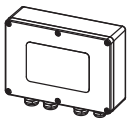
BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKE1T1111D
22.5 lb (10.4 kg)
8.1” (20.7 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE1T***
52.5 lb (23.8 kg)
8.1” (20.7 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control
- 4” ANSI 150 Flange Inlet
- 2.5” NH Quick Connect Outlet for Tornado Monitor



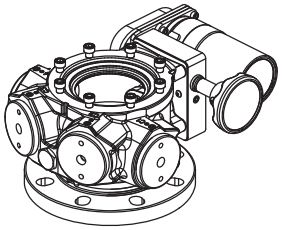
Includes Interface Enclosure

AKE1T

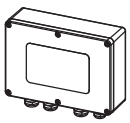
BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

Dimensional Minimum
AKE1V***
23.2 lb (10.5 kg)
6.1” (15.5 cm) height
10.3” (26.2 cm) width
12.9” (32.8 cm) depth

Dimensional Maximum
AKE1V***
53.2 lb (24.1 kg)
6.1” (15.5 cm) height
33.2” (84.3 cm) width
24.1” (61.2 cm) depth



- Electric Valve Control
- 4” ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5” offset Typhoon



Includes Interface Enclosure

AKE1V

BASE MODEL	AUXILIARY PORTS C1	C2	C3	C4	BALL DRAIN (D=Drain Z=No Drain)	TOTAL Plus Aux Port Prices

BALL INTAKE VALVE RC

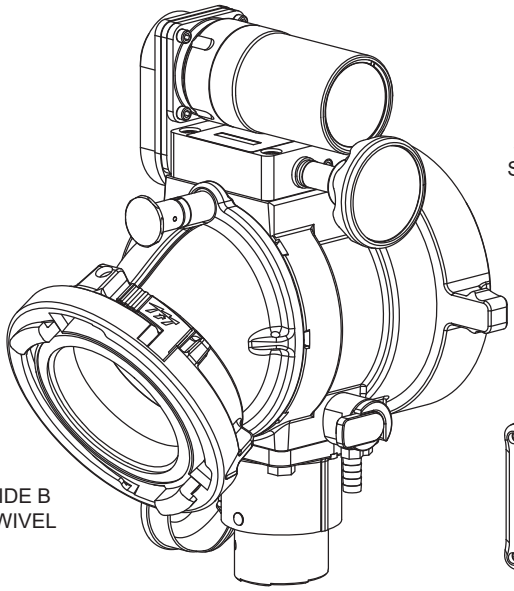
The Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT's Ball Intake Valve with the addition of powered operation. A large handwheel is installed on the drive shaft for immediate manual override. Designed for 12 VDC or 24 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick connect plug for the connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick connect electric plug. Six seconds from open to close meets NFPA 1901 slow close requirement. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Contact TFT customer service for configurations not shown. Pressure Loss Chart is on page 239.

Dimensional Maximum
AB7HNX-NX-RC
40.0 lbs (18.0kg)
16.50" (42.0cm) Height
13.00" (26.0cm) Width
14.00" (35.8cm) Depth

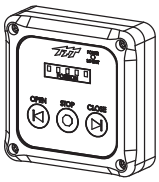
For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.



To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 220.



AB3ST-NX-RC



Control Box

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

For additional control heads order A-DISP (page 176).

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

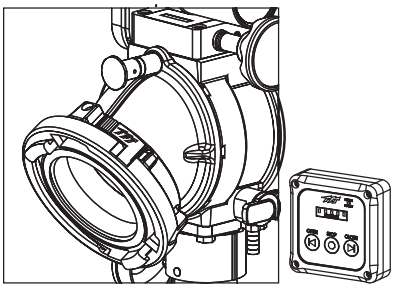
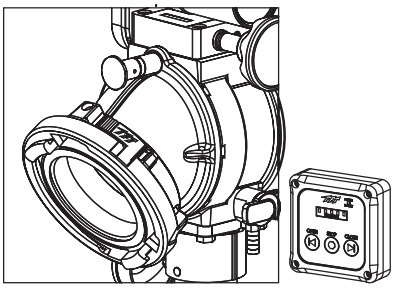
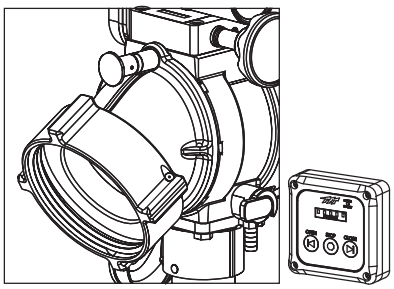
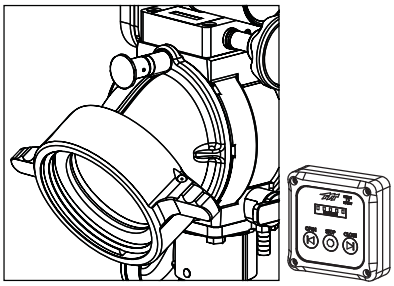
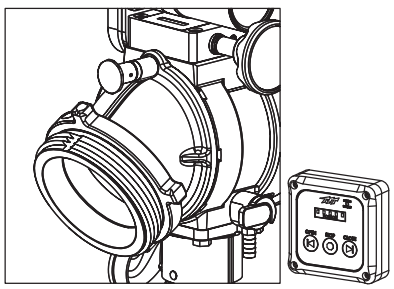
If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AB with AC.
AC denotes no PRV, deduct $250 from the appropriate AB published list price.
Blind Caps and Pressure Relief Valve information is located on page 127 and 153.
Suction Screen information is located on page 218, under LDH service kits.

Handle couplings rotate freely until tightened on engine.
NH threads per NFPA 1963 are standard.
Consult factory for NPSH, BSP, or Special Threads

AB		-		- R C

(Choose Side A/Side B suffix from table)
Example: A 5.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

AB	7 N T	-	N X	- R C

	Side B			Side A	
AB			—		— RC
	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel	
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz				
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel				
	7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle				
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid				

NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

JUMBO BALL INTAKE VALVE RC

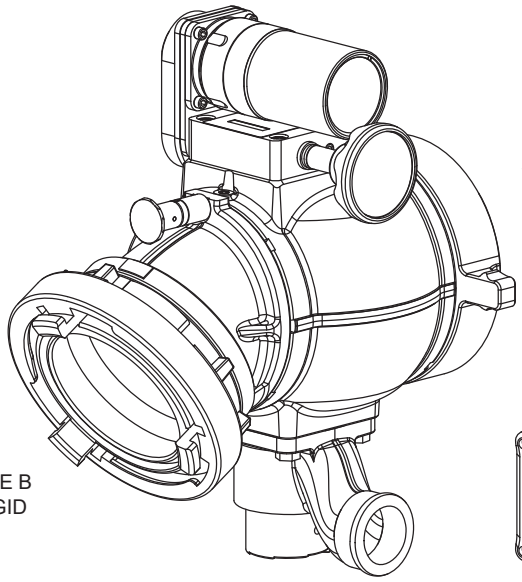
The Jumbo Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT's Jumbo Ball Intake Valve with the addition of powered operation. A handwheel is installed on the drive shaft for immediate manual override. Designed for 12 or 24 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick connect plug for the connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick connect electric plug. Six seconds from open to close, meets NFPA 1901 slow close requirement. The unit comes equipped with a rugged 3/4-inch (19mm) drain valve to quickly drain water from the valve housing. A port for an optional air bleed valve is incorporated into the design for user friendly configurability. Contact TFT customer service for configurations not shown. Pressure Loss Chart is on page 239.

Dimensional Maximum
AX7HNX-NX-RC
40.0 lbs (18.0kg)
17.60" (45.0cm) Height
13.00" (26.0cm) Width
15.50" (39.0cm) Depth

For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.



To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 220.



AX1SX-NX-RC



Control Box

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

For additional control heads order A-DISP (page 176).

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AX with AZ.
AZ denotes no PRV, deduct $250 from the appropriate AX published list price.

Blind Caps and Pressure Relief Valve information is located on page 127 and 153.
Suction Screen information is located on page 218, under LDH service kits.

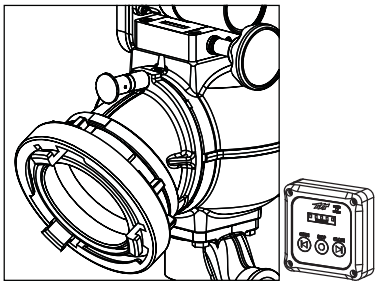
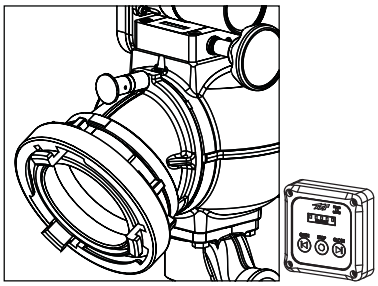
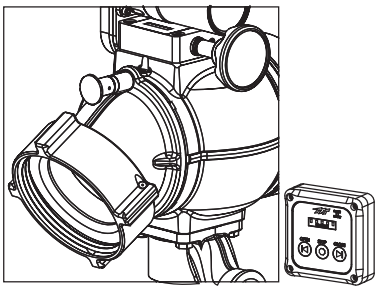
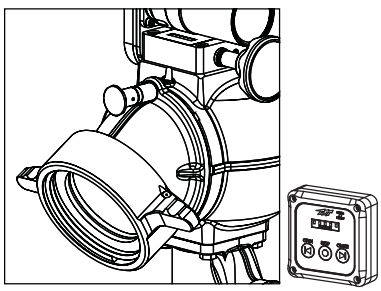
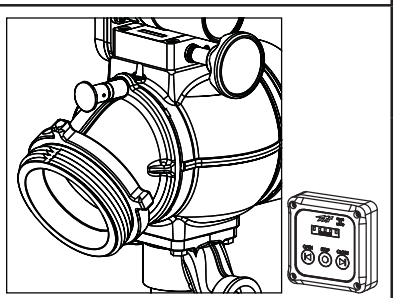
Handle couplings rotate freely until tightened on engine.
NH threads per NFPA 1963 are standard.
Consult factory for NPSH, BSP, or Special Threads

AX		-		-	R	C

(Choose Side A/Side B suffix from table)
Example: A 5.0" Rocker lug Female Swivel on Side B to a 6.0" NH Female Swivel on Side A would be

AX	7	N	T	-	N	X	-	R	C

	Side B			Side A		
AX			—		—	RC

1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz	
3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz	
7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel	
7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle	
8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid	

NX) 6.0" Threaded Swivel

NPT: American National Standard Taper Pipe Threads per ANSI/ASME B1.20.1-1983 (R1992)

JUMBO LOW PROFILE BALL INTAKE VALVE RC LEFT HAND DRIVE

AXD Series – The Jumbo Low Profile Ball Intake Valve RC is an electric remote controlled valve with all the benefits of TFT's Jumbo Low Profile Ball Intake Valve with the addition of powered operation. A handwheel is installed on the drive shaft for immediate manual override. Designed for 12 or 14 VDC operation, selection is automatic. The motor control circuit uses an encoder and current limiting to protect the drive train at the ends of travel. The panel mounted control box allows for remote operation and contains an LED display showing valve position. Unit comes with a panel mounted quick- connect plug for connection between the valve and control box. Electric drive and control box are waterproof. Mechanical installation consists of attaching the valve to the pump, mounting the control box and quick-connect electric plug. Six seconds from open to close, meets NFPA 1901 slow close requirement. The valve is designed for pressure or vacuum service. Maximum operating pressure is 250 psi (17 bar). Meets 900 psi (62 bar) hydrostatic strength test. A rugged ¼-turn Air Vent at the top of the valve allows air to be bled quickly. TFT's adjustable Pressure Relief Valve (PRV) is installed with the discharge pointing downward and meets NFPA 1901 (2009 Edition). The aluminum castings are hardcoat anodized, and TFT powdercoated finished inside and out for maximum corrosion protection. All wetted components are aluminum alloys to prevent galvanic corrosion, and are specially coated for additional corrosion protection. Hose coupling and truck connections are attached to the valve using polymer bearing rings which can provide electrical isolation to help prevent galvanic corrosion. The Jumbo Low Profile Ball Intake Valve RC is covered by a 10 year warranty. Contact TFT customer service for configurations not shown. Friction loss is 5 psi at 2000 gpm; Pressure Loss Chart is on page 239.

The Low Profile Jumbo Intake Value series includes a 10 year warranty against manufacturing defects and corrosion that affects the valve's operational performance.

Dimensional Maximum
AXD7HNX-NX-RC
30.5 lbs (13.8kg)
12.3" (31.2cm) Height
15.6" (39.6cm) Width
11.3" (28.7cm) Depth

Adapters for 4 or 4 1/2 inch (100 or 115 mm) pump inlets.

	4.00" (100.0mm) Pump Inlet Adapter	4.50" (110.0mm) Pump Inlet Adapter
6" Threaded Male	**AA9NX-NP**	**AA9NX-NR**

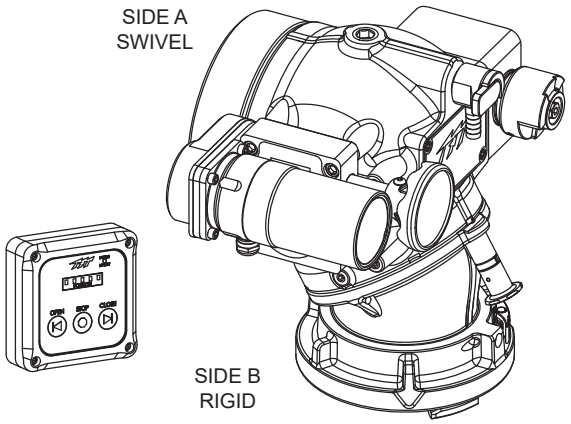


To add an additional Vent/Drain for the BIV or Jumbo BIV order A1621-KIT. See page 220.

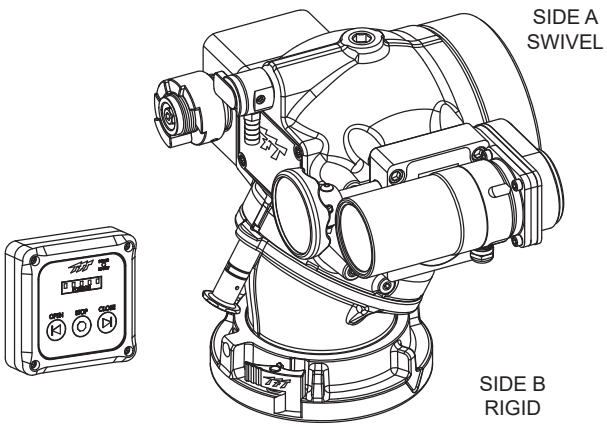
For additional air bleed during operation, simply install a bleed valve with 3/4" NPT inlet. A bleed valve can be purchased if desired.

Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations.

To change a 4" or 5" Storz from rigid to full time swivel, back out the lockout screw until the coupling moves freely. See page 220 for diagram



LEFT
AXD1ST-NX-RC



RIGHT
AXE1ST-NX-RC

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AXD with AZD. AZD denotes no PRV, deduct $250 from the appropriate AXD published list price.

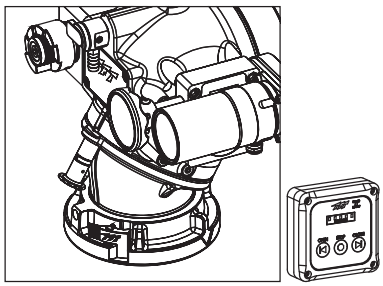
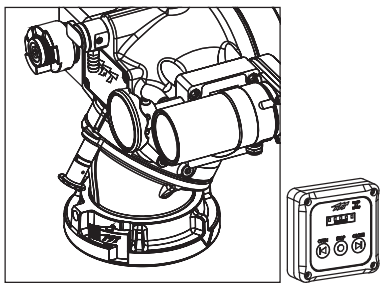
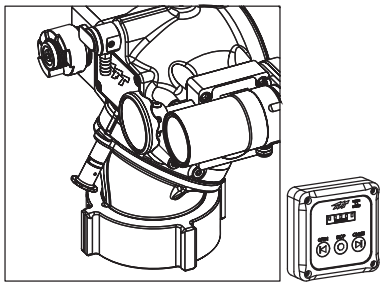
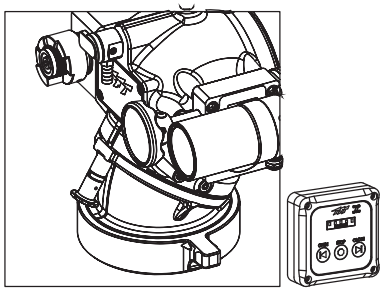
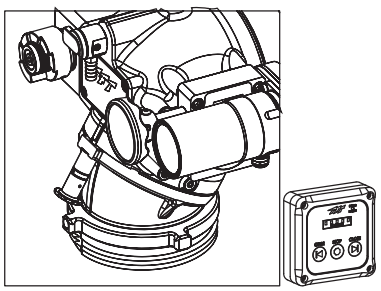
Blind Caps and Pressure Relief Valve information is located on page 127 and 153.
Suction Screen information is located on page 218, under LDH service kits.

JUMBO LOW PROFILE BALL INTAKE VALVE RC LEFT HAND DRIVE

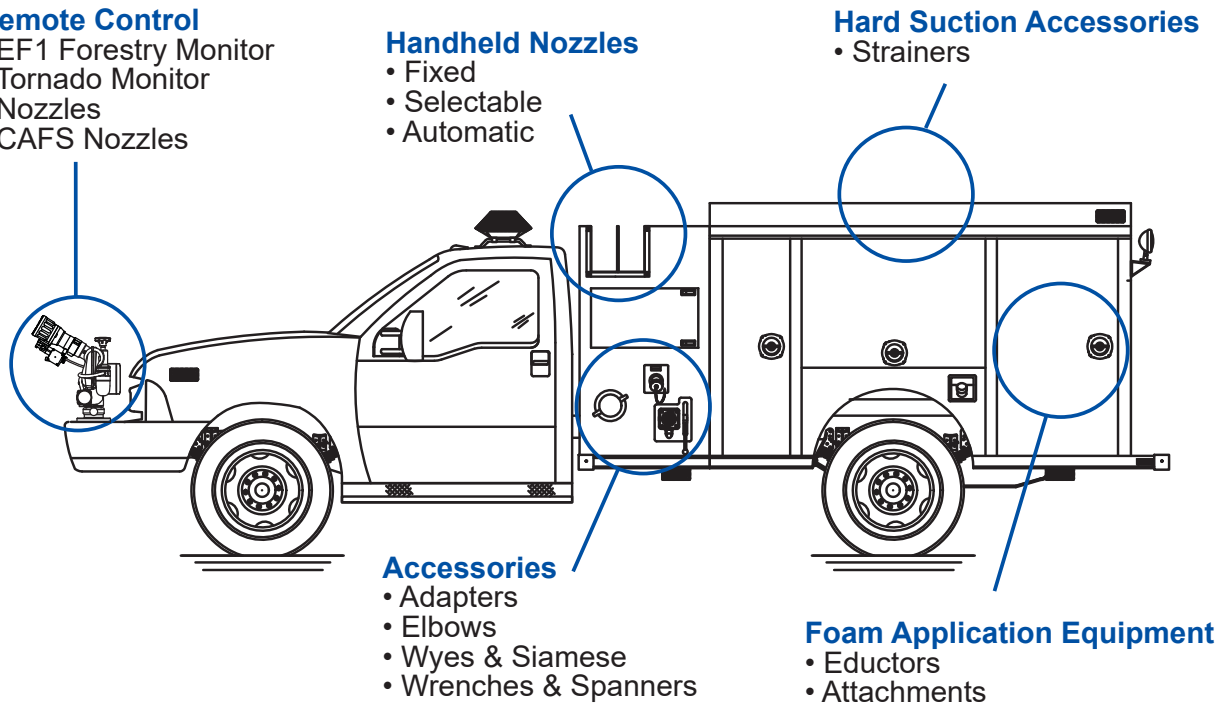
AXD		-		-	RC

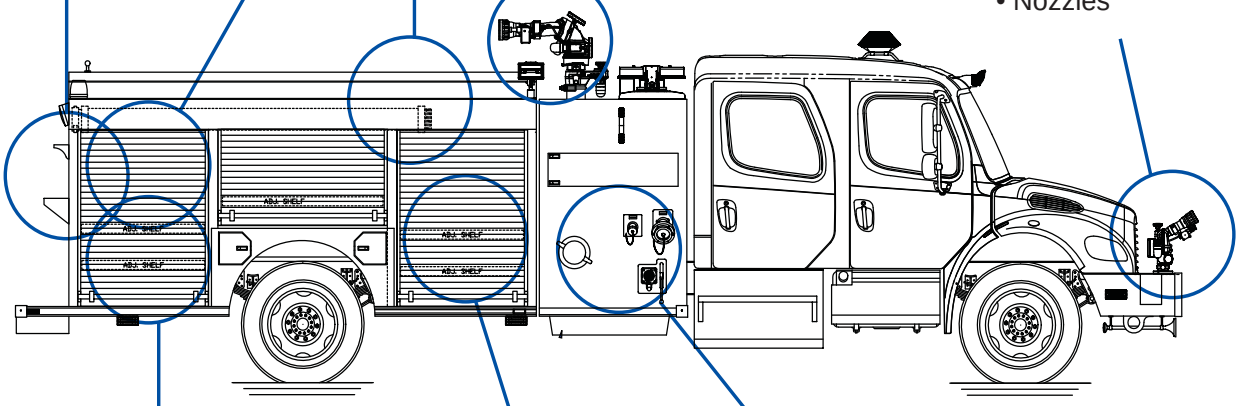
(Choose Side A/Side B suffix from table)
Example: A 4.0" Rocker lug Female Swivel on Side B
to a 6.0" NH Female Swivel on Side A would be

AXD	7	N	P	-	N	X	-	RC

Crank Side	Side B			Side A		
			—		—	RC
AXD) Left **AXE)** Right	1SP) 4.0" Rigid Storz 1ST) 5.0" Ridgd Storz 1SX) 6.0" Rigid Storz			NT) 5.0" Threaded Swivel NX) 6.0" Threaded Swivel		
	3SP) 4.0" Swivel Storz 3ST) 5.0" Swivel Storz 3SX) 6.0" Swivel Storz					
	7NN) 3.5" Threaded Swivel 7NP) 4.0" Threaded Swivel 7NR) 4.5" Threaded Swivel 7NT) 5.0" Threaded Swivel					
	7HNP) 4.0" Threaded Swivel Handle 7HNR) 4.5" Threaded Swivel Handle 7HNT) 5.0" Threaded Swivel Handle 7HNX) 6.0" Threaded Swivel Handle					
	8NP) 4.0" Male Threaded Rigid 8NR) 4.5" Male Threaded Rigid 8NT) 5.0" Male Threaded Rigid 8NX) 6.0" Male Threaded Rigid					

WILDLAND PLACEMENT





Hand Held Nozzles
- Fixed
- Selectable
- Automatic
- Smooth Bore Tips

Portable Monitors
- 500 gpm Blitzfire
- 1250 gpm Crossfire

Hard Suction Accessories
- Strainers

Remote Control
- 1250 gpm Hurricane Monitor
- 1250 gpm Monsoon Monitor
- 1500 gpm Typhoon Monitor
- 2000 gpm Monsoon Monitor
- Extend-A-Gun 3 or 4
- Automatic Nozzles
- Stacked Tips

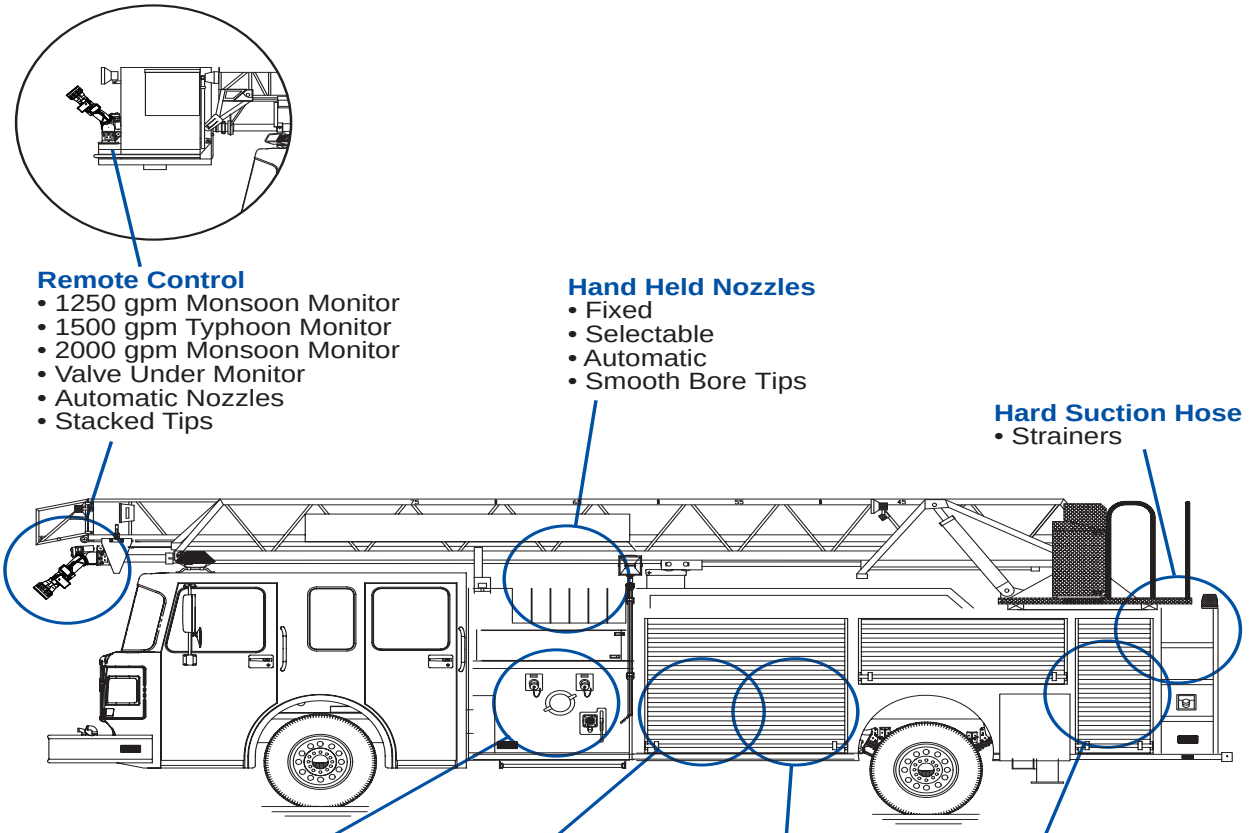
Remote Control
- Tornado Monitor
- Nozzles

LDH Equipment
- Ball Intake Valve
- Elbows
- Adapters

Foam Application Equipment
- Eductors
- Self Educting Nozzles
- CAFS Nozzles
- Foam Attachments

LDH Equipment
- Jumbo Wyes
- Jumbo Siamese
- Spanners
- Hydrant Wrenchs
- Hydrant Valve
- Manifolds

AERIAL / PLATFORM PLACEMENT



Remote Control
- 1250 gpm Monsoon Monitor
- 1500 gpm Typhoon Monitor
- 2000 gpm Monsoon Monitor
- Valve Under Monitor
- Automatic Nozzles
- Stacked Tips

Hand Held Nozzles
- Fixed
- Selectable
- Automatic
- Smooth Bore Tips

Hard Suction Hose
- Strainers

LDH Equipment
- Ball Intake Valve
- Elbows
- Adapters

LDH Equipment
- Jumbo Wyes
- Jumbo Siamese
- Spanners
- Hydrant Wrenchs
- Hydrant Valve
- Manifolds

Foam Application Equipment
- Eductors
- Self Educting Nozzles
- CAFS Nozzles
- Foam Attachments

Portable Monitors
- 1250 gpm Crossfire
- 500 gpm Blitzfire
- Masterstream Nozzles
- Stacked Tips

PURPLE Category
Industrial Components

The Purple category includes industrial components that typically are installed in industrial facilities and often have special certification such as Factory Mutual or ATEX. This category includes fixed gallonage industrial master stream nozzles, manual and remote control monitors, and hydrant related valves.

Components Included In The Category

ZN Series Nozzles,
ZM Series Nozzles,
ZO Series Nozzles,
Masterstream 4000 Series,
Masterstream 5000 Series,
PROtector
Manual Monitors,
ATEX Certified Monitors,
ATEX Certified Nozzles
Industrial VUM Series
Flanged OSC Monitor
Tordado OSC Monitor
Oasis Under Monitor

ATEX MONITORS

TFT ATEX RC Monitors are electrically operated with high flow and low friction loss characteristics. Designed for 12 VDC or 24 VDC operation, selection is automatic. Horizontal and elevation stream positions are controlled by strong DC motors and a factory installed control panel mounted on the monitor. Position encoders and current limiting are used to protect the drive train at the ends of travel. Field changeable stops for horizontal rotation and elevation are included. Available with various inlets and outlets. TFT's ERP nozzle plugs into the factory installed nozzle power wire. Electric drives and control box are waterproof, meeting requirements for an IP65 rating. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum with red powder coat finish inside and out.

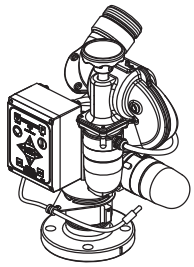
TFT ATEX RC Monitors are designed, tested and approved for use in Classified Hazardous Locations as defined by European Directive 94/9/EC, commonly referred to as the ATEX Directive. Further classification identifies that Zone 2, Category 3 environments are suitable locations for this equipment. It is important to note that only the RC Monitor and Nozzle are certified for installation in the hazardous area. TFT RC Monitor Operator Stations may be used to control monitor functions, but must be installed outside of the hazardous area according to application requirements. It is the responsibility of the facility design engineer to determine suitable location and connection of components for use in the hazardous environment based on electrical, mechanical, hydraulic, and hazardous location classification requirements.

TFT ATEX RC Monitors are shipped for use with wired controls/operator stations. For 2.4 GHz wireless control, please consult factory for ordering details.

Tornado

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CE



Y2-E

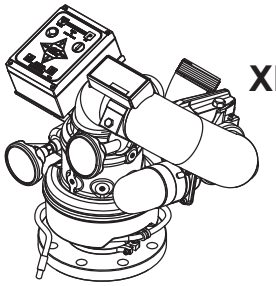
Inlet			Outlet
1) 2.5"-7.5 NH Female	**6)** 2.5" ANSI 150		**1)** 2.5"-7.5 NH Male
2) 2.5"-11 BSP Female	7) 2.5"-8 NPT Female		2) 2.5"-11 BSP Male
3) 2.0"-11 BSP Female	8) 2.0"-11.5 NPT Female		3) 1.5"-11 BSP Male
5) DN80, PN16	9) 3.0" -8 NPT Female		4) 1.5"-9 NH Male

A-A

Hurricane

Information Page 142

CE



XFIH-E

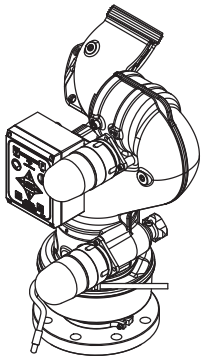
Inlet			Outlet
1) 3" ANSI 150	**6)** 3" NPT Female		**1)** 2.5" - 7.5 NH Male (65mm)
2) 4" ANSI 150	7) 4" NPT Female		2) 2.5" - 11 BSP Male (65mm)
4) DN80, PN16	8) 3" BSP Male		
5) DN100, PN16	9) 4" BSP Male		

A-A

Typhoon

Information Pages 145

CE



Y5-E

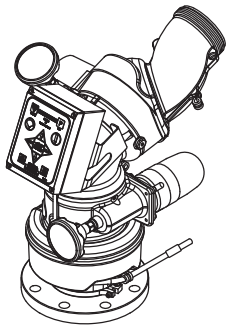
Inlet			Outlet
1) 3" ANSI 150	**6)** 3" NPT Female		**1)** 3.5"-6 NH Male
2) 4" ANSI 150	7) 4" NPT Female		2) 3.5"-11 BSP Male
5) DN100, PN16			4) 4.0"-11 BSP Male

A-A

Monsoon

Information Page 151

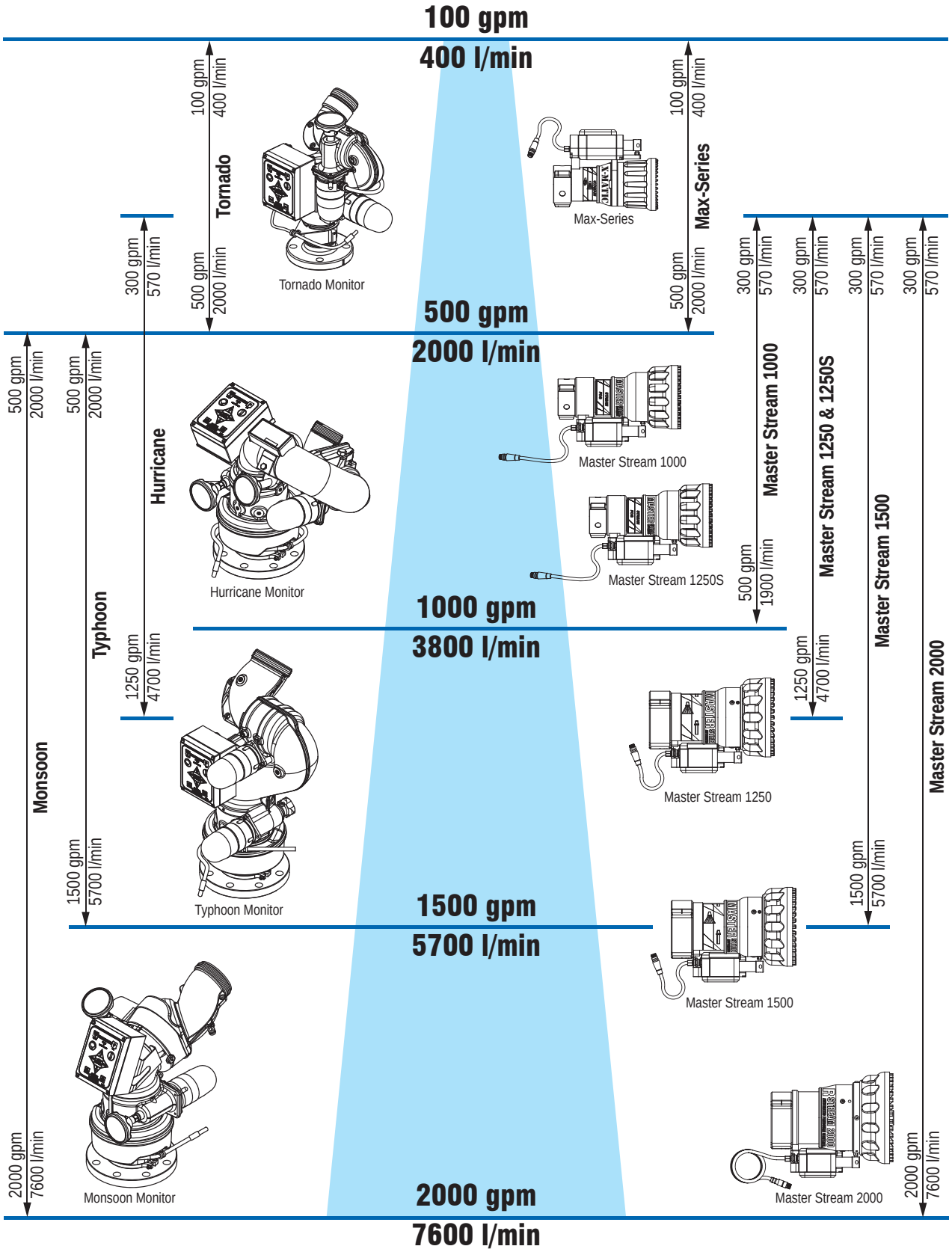
CE



Y4-E

Inlet			Outlet
1) 3" ANSI 150	**6)** 3" NPT Female		**1)** 3.5"-6 NH Male
2) 4" ANSI 150	7) 4" NPT Female		2) 3.5"-11 BSP Male
3) 6" ANSI 150	8) 3" BSP Male		3) 3.5"-8 NPSH Male
4) DN80, PN16	9) 4" BSP Male		4) 4.0"-11 BSP Male
5) DN100, PN16			

A-A



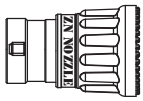
There are models of this series, not listed here, that have international certifications and approvals.
Please refer to pages 256-257 or www.tft.com for additional information.

INDUSTRIAL NOZZLES

The Task Force Tips fixed gpm water nozzle is a simple and rugged industrial nozzle with superior stream quality and reach. This fixed gallonage fog nozzle rated at 100 psi (7 bar) is available with your choice of 350, 500, or 750 (1300, 2000, or 3000 l/min). fog angle is user adjustable between 120 degree wide fog and straight stream. The nozzle's baffle can be removed with a wrench for flushing debris. The standard inlet is 2.5" NH, NPSH, or BSP (65mm) female thread. The simple and basic design requires no grease or other maintenance. The rubber bumper is UV resistant. The fixed gpm water nozzle is Hardcoat anodized ANSI A356.0 T6 aluminum. The fixed gpm nozzle can be used with water or premixed foam solution.

ZN11A

4.5 lb (2.0kg)
6.00" (15.2cm)



SAMPLE PART NUMBER
Specify Thread and Flow by number from chart

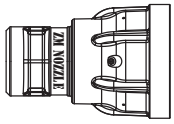
Choose your model from the chart on page 187. For example, model ZN12A is 2.5" NH female thread, 500 gpm at 100 psi nozzle. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

ZM INDUSTRIAL NOZZLES

The Task Force Tips fixed gpm water nozzle is a simple and rugged industrial nozzle with superior stream quality and reach. This fixed gallonage fog nozzle rated at 100 psi (7 bar) is available with your choice of 500, 750, 1000, or 1250 (2000, 3000, 4000, or 4750 l/min). Fog angle is user adjustable between 120 degree wide fog and straight stream. The nozzle's baffle can be removed with a wrench for flushing debris. The standard inlet is 2.5" NH, NPSH, or BSP (65mm) female thread. The simple and basic design requires no grease or other maintenance. The fixed gpm water nozzle is powdercoated and hardcoat anodized ANSI A356.0 T6 aluminum. The fixed gpm nozzle can be used with water or premixed foam solution.

ZM131

7.2 lb (3.3kg)
8.80" (22.4cm)



SAMPLE PART NUMBER
Specify Thread and Flow by number from chart

Choose your model from the chart on page 201. For example, model ZM131 is 2.5" NH female thread, 1000 gpm at 100 psi nozzle. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

FM APPROVED

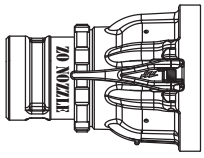
1000 gpm and 1250 gpm ZM Industrial nozzles are FM Approved.

ZO INDUSTRIAL NOZZLES

The Task Force Tips fixed gpm water nozzle is a simple and rugged industrial nozzle with superior stream quality and reach. This fixed gallonage fog nozzle at 100 psi (7 bar) is available with your choice of 1250, 1500, 1750, or 2000 (4750, 5500, 6750, or 7500 l/min). Fog angle is user adjustable between 120° wide fog and straight stream. Folding handles ease moving the shaper from full fog to straight stream. A locking ring can set the nozzle at a desired fog position. The nozzle's baffle can be removed with a wrench for flushing debris. The standard inlet is 3.5" NH or BSP (80mm) female thread. The simple and basic design requires no grease or other maintenance. The nozzle is powdercoated and hardcoat anodized ANSI A356.0 T6 aluminum. It can be used with water or premixed foam solution.

ZO12

22.0 lb (9.9kg)
11.60" (29.4cm)



SAMPLE PART NUMBER
Specify Thread and Flow by number from chart

Choose your model from the chart on page 187. For example, model ZO13 is 3.5" NH female thread, 1750 gpm at 100 psi nozzle. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

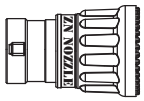
FM APPROVED

1250, 1500, 1750 and 2000 gpm ZO Industrial Nozzles are FM Approved.
4800, 6000, 6600 and 7600 l/min ZO Industrial Nozzles are FM Approved.

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FoamJet Model for ZN Series
FJ-LX-MD page 45

2.5” (65mm) Nozzle Series
250, 350, 500 or 750 gpm Fixed Gallonage



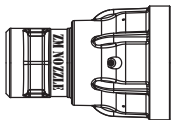
Choose one option from each category. For example Model ZN12A is 2.5” NH Female thread, 500 gpm at 100 psi nozzle. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

ZN ____ ____ **A**

THREADS (Rigid)	FLOW
1) 2.5"-7.5 TPI NH FEMALE 2) 2.5"-11 TPI BSP FEMALE 3) 2.5"-11.5 TPI NPSH FEMALE 4) 2.5" CODE-AT (CSA) (2.5" = 65mm)	0) 250 GPM @ 100 PSI — Kfactor = 25 (950 l/min @ 7 bar) 1) 350 GPM @ 100 PSI — Kfactor = 35 (1300 l/min @ 7 bar) 2) 500 GPM @ 100 PSI — Kfactor = 50 (2000 l/min @ 7 bar) 3) 750 GPM @ 100 PSI — Kfactor = 75 (3000 l/min @ 7 bar) 4) User Specified Kfactor = 15 - 75

ZM INDUSTRIAL NOZZLES

2.5” (65mm) Nozzle Series
500, 750, 1000 or 1250 gpm Fixed Gallonage



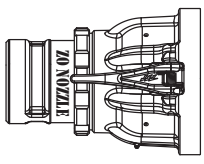
Choose one option from each category. For example Model ZM111 is 2.5” NH Female thread, 500 gpm at 100 psi nozzle. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

ZM ____ ____ **1**

THREADS (Rigid)	FLOW
1) 2.5"-7.5 TPI NH FEMALE 2) 2.5"-11.5 NPSH FEMALE 3) 2.5"-11 BSP FEMALE (2.5" = 65mm)	1) 500 GPM @ 100 PSI — Kfactor = 50 (2000 l/min @ 7 bar) 2) 750 GPM @ 100 PSI — Kfactor = 75 (3000 l/min @ 7 bar) 3) 1000 GPM @ 100 PSI — Kfactor = 100 (3800 l/min @ 7 bar) FM APPROVED 4) 1250 GPM @ 100 PSI — Kfactor 125 (4800 l/min @ 7 bar) FM APPROVED 9) User Specified Kfactor = 50 - 125

ZO INDUSTRIAL NOZZLES

3.5” (80mm) Nozzle Series
1250, 1500, 1750 or 2000 gpm Fixed Gallonage



Choose one option from each category. For example Model ZO11 is 3.5” NH Female thread, 1250 gpm at 100 psi nozzle. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.

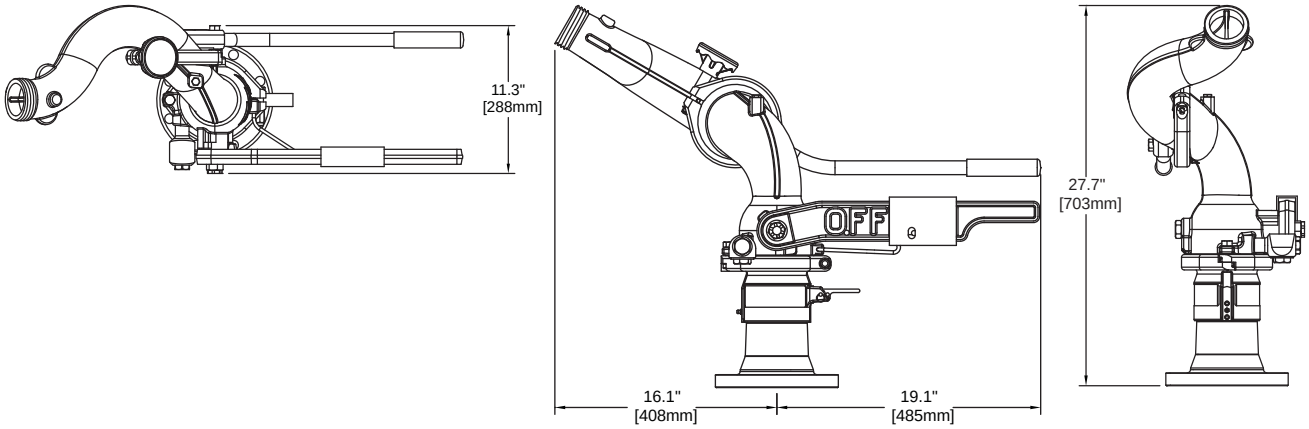
ZO ____ ____

THREADS (Rigid)	FLOW
1) 3.5"-6 NH FEMALE 2) 3.5"-11 BSP FEMALE (3.5" = 80mm)	1) 1250 GPM @ 100 PSI - Kfactor = 125 (4800 l/min @ 7 bar) FM APPROVED 2) 1500 GPM @ 100 PSI - Kfactor = 150 (6000 l/min @ 7 bar) FM APPROVED 3) 1750 GPM @ 100 PSI - Kfactor = 175 (6600 l/min @ 7 bar) FM APPROVED 4) 2000 GPM @ 100 PSI - Kfactor = 200 (7600 l/min @ 7 bar) FM APPROVED 9) User Specified Kfactor = 125 - 200

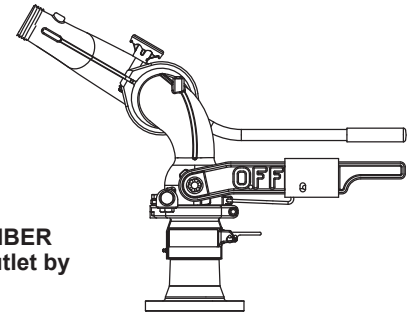
PROTECTOR
STATION MONITOR

Fixed Station Monitor - Up To 1250 GPM (4500 l/min)

The Task Force Tips' Protector is a simple and rugged fixed station monitor with many unique features. Its patented waterway gives low friction loss and delivers water to the nozzle with fewer twists and turns than a conventional monitor. The optional built-in on/off valve with position indicator eliminates the need to add a costly valve to the monitor installation. The Protector is capable of flowing up to 1250 gpm (4500 l/min) while maintaining a FULL 360° rotational ability. The lever-action rotational lock is activated in one motion, visually confirmed, and securely holds the monitor's horizontal position. The Protector can be directly bolted to many common pipe flanges. The outlet is available with various 2.5" (65mm) male threads. The simple and basic design requires no grease application or other maintenance. Swiveling elements and seals (including valve seat) can be replaced within a few minutes with common hand tools. Threaded ports (0.25" NPT) (6mm) are provided for drain valve (included) and pressure gauge installation. Maximum pressure is 250 psi (17 bar). The Protector is hardcoat anodized ANSI 356-T6 aluminum and is fully powder coat finished inside and out. Swivel clamps, 3" (75mm) valve ball, trunnions, and hardware are 18-8 stainless steel.



INLET SPECIFICATIONS					
FITS FLANGE	OUTSIDE DIAMETER	THICKNESS	BOLT HOLE CIRCLE	NUMBER OF BOLTS	SIZE OF BOLTS
3" ANSI 125/150 - DN80 PN20	7.50" / 190 mm	0.75" / 20 mm	6.00" / 152.5 mm	4	5/8" / M16
4" ANSI 150 - DN100 PN20	9.00" / 230 mm	0.94" / 3 mm	7.50" / 90.5 mm	8	5/8" / M16
DN80 PN16	200 mm	22 mm	160 mm	8	16 mm
DN100 PN16	220 mm	22 mm	180 mm	8	16 mm



Z1111A

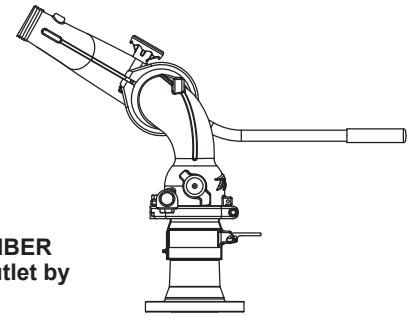
35.2 lb (15.7kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

Valve **with Threaded Exit** - Protector monitor with on/off valve and 2.5" (65mm) threaded exit. 1250 gpm (4500 l/min) rating. See chart to obtain model number for specific inlet and outlet options.

Z11 | | | **A**

Inlet	Outlet
1) 3" ANSI 150	1) 2.5" (65mm) - 7.5 NH
2) 4" ANSI 150	2) 2.5" (65mm) - 11 BSP
4) DN80, PN16	3) 2.5" (65mm) - 11.5 NPSH
5) DN100, PN16	9) SPECIAL THREADS



Z1211A

27.8 lb (12.6kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart

No **Valve with Threaded Exit** - Protector monitor without on/off valve and with 2.5" (65mm) threaded exit. 1250 gpm (4500 l/min) rating. See chart to obtain model number for specific inlet and outlet options.

Z12 | | | **A**

Inlet	Outlet
1) 3" ANSI 150	1) 2.5" (65mm) - 7.5 NH
2) 4" ANSI 150	2) 2.5" (65mm) - 11 BSP
4) DN80, PN16	3) 2.5" (65mm) - 11.5 NPSH
5) DN100, PN16	9) SPECIAL THREADS

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

Integrated Valve Under Monitor

The 4" (102mm) Integrated Valve Under Monitor (IVUM) is a robust, low friction loss valve intended for installation directly beneath monitors on standpipes with 4" (102mm) ANSI 150 or DN 100 PN16 flange connections. Maximum operation pressure is 300 psi (21 bar). Dual reflective valve position indicators allow 360 degree visual confirmation from a distance in all light conditions. The inlet flange, half ball and valve seat retainer are available in either hard anodized 6061-T6 aluminum or 316 stainless steel. Several options are available for monitor connection, as described below. When integrated with a TFT monitor (side B option X), the monitor flange is omitted to reduce weight, up-front cost and future maintenance expenses.

All models are equipped with an external automatic drain valve to fully drain the monitor and valve body after use, thus minimizing susceptibility to damage from corrosion and freezing water. An optional internal automatic drain valve located within the half ball allows the standpipe to draw atmospheric air to facilitate draining, even while the half ball is closed. It is beneficial in applications where the standpipe will typically be drained following use, especially where freezing conditions are a concern.

Electrically controlled versions of these models are available.

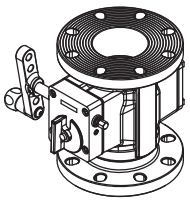
(Electronic versions are not FM approved.)

Customer service should be contacted for availability and configurations.

AA9FL-FP Aluminum SIDE A adapter to use ZAA models on 3" (76mm) ANSI 150 standpipes. Height is 2" (50.8mm). Not recommended for ZAS models.**$195.00**

SIDE B

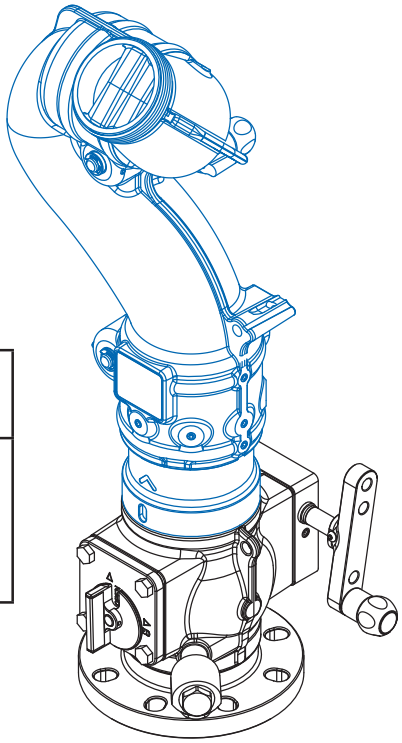
Dimensional Maximum
ZAA**
23.7 lb (10.8 kg)
10.1" (25.7 cm) height
11.7" (29.7 cm) width
11.6" (29.5 cm) depth



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SIDE A



Model ZAAZX or ZASZX
For Integrated TFT Monitor
(Typhoon Monitor Shown Not Included)

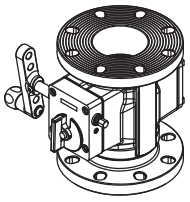
Aluminum 4" (102mm) ANSI 150 inlet

ZAA

Drain Option	SIDE B OUTLET	
D) Additional Drain in Half Ball Z) External Drain Only	O) No Side B Adapter (fits ZCH-Series Booster) X) CODE-RRF for Intergrated TFT Typhoon, Moonson or Hurricane Monitor	
	1) CODE-RPM male threaded outlet 3) 4" (102mm) ANSI 150 Flange 5) 3" (76mm) ANSI 150 Flange Q) 4.5" (114mm)NH Quick Connect for Large Monitors T) 2.5" (64mm) NH Quick Connect for Tornado V) Integrated Tornado (no coupling)	

SIDE B

Dimensional Maximum
ZAS**
35.0 lb (15.9 kg)
10.1" (25.7 cm) height
11.7" (29.7 cm) width
11.6" (29.5 cm) depth



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SIDE A

Stainless Steel 4" (102mm) ANSI 150 inlet

ZAS

Drain Option	SIDE B OUTLET	
D) Additional Drain in Half Ball Z) External Drain Only	O) No Side B Adapter (fits ZCH-Series Booster) X) CODE-RRF for Intergrated TFT Typhoon, Moonson or Hurricane Monitor	
	1) CODE-RPM male threaded outlet 3) 4" (102mm) ANSI 150 Flange 5) 3" (76mm) ANSI 150 Flange Q) 4.5" (114mm) NH Quick Connect for Large Monitors T) 2.5" (64mm) NH Quick Connect for Tornado V) Integrated Tornado (no coupling)	

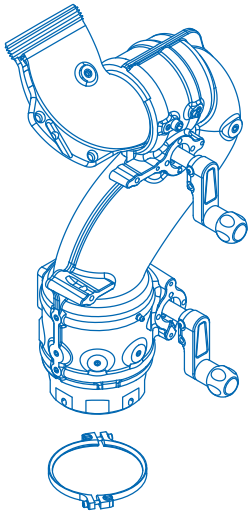
HYDRANT UNDER MONITOR

The Hydrant Under Monitor (HUM) adds two versatile full flow LDH ports to the robust features of the Industrial Valve Under Monitor. Maximum operating pressure is 300 psi (21 bar). Two concentric slow-close half ball valves allow the monitor to be operated either independently or simultaneously with the LDH ports. The main shutoff valve has a huge 5.25" (133mm) waterway, located immediately above the 6" (152mm) ANSI 150 inlet flange. When the monitor valve above is also open, flow to the monitor from the standpipe is completely unobstructed for the lowest possible friction loss. Each valve control is clearly marked with separate color-coded position indicators that are retro-reflective for visibility in all light conditions. The cast A356-T6 aluminum valve body and all structural 6061-T6 aluminum components are hard anodized, and the inlet flange and valve body are powder coated red for additional resistance to galvanic corrosion.

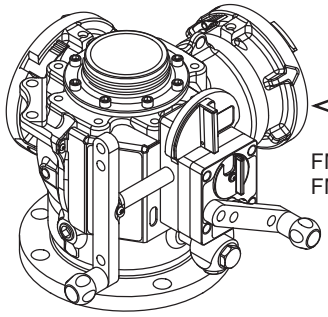
Several options are available for monitor and hose connections, as described on the following pages. When integrated with a TFT monitor (side B option 1), the monitor flange is omitted to reduce weight, up-front cost and future maintenance expenses. Both LDH ports C1 and C2 can be configured with a Storz coupling, a male threaded spout, or a gated wye, with connection sizes ranging from 1.5" (38mm) up to 6.0" (152mm). All LDH connections are supplied with a pressure cap, and port C2 can also be configured with a blind plug for no charge if only one hose connection is needed.

For further versatility, the Booster can be mated between the HUM and monitor to allow pressure to be boosted using a pump or foam to be introduced. Choose side B option 0 (zero) for this option and see separate catalog section for Booster options.

All models are equipped with an external automatic drain valve and a 2nd automatic drain valve within the monitor half ball. These valves fully drain the monitor and valve body after each use when pressure drops below 5 psi (0.3 bar), thus minimizing susceptibility to damage from corrosion and freezing water. An optional 3rd automatic drain valve located within the main shutoff half ball allows the standpipe to draw atmospheric air to facilitate draining, even while the half ball is closed. It is beneficial in applications where the standpipe will typically be drained following use, especially where freezing conditions are a concern.

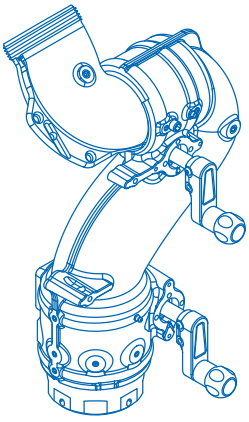


Shown with
Typhoon Y5-DP1A-Z
Not Included

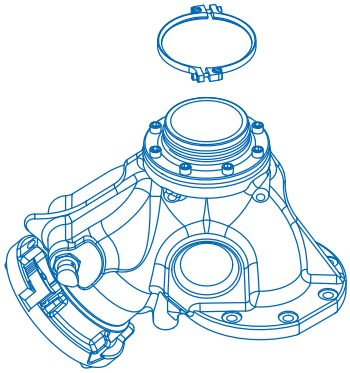


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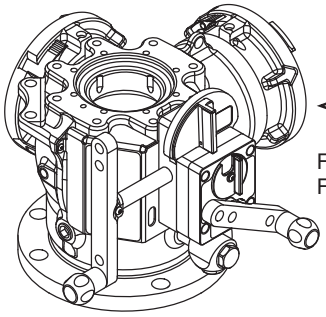
Hydrant Under Monitor
ZBAZ11T1T



Shown with
Typhoon Y5-DP1A-Z
Not Included



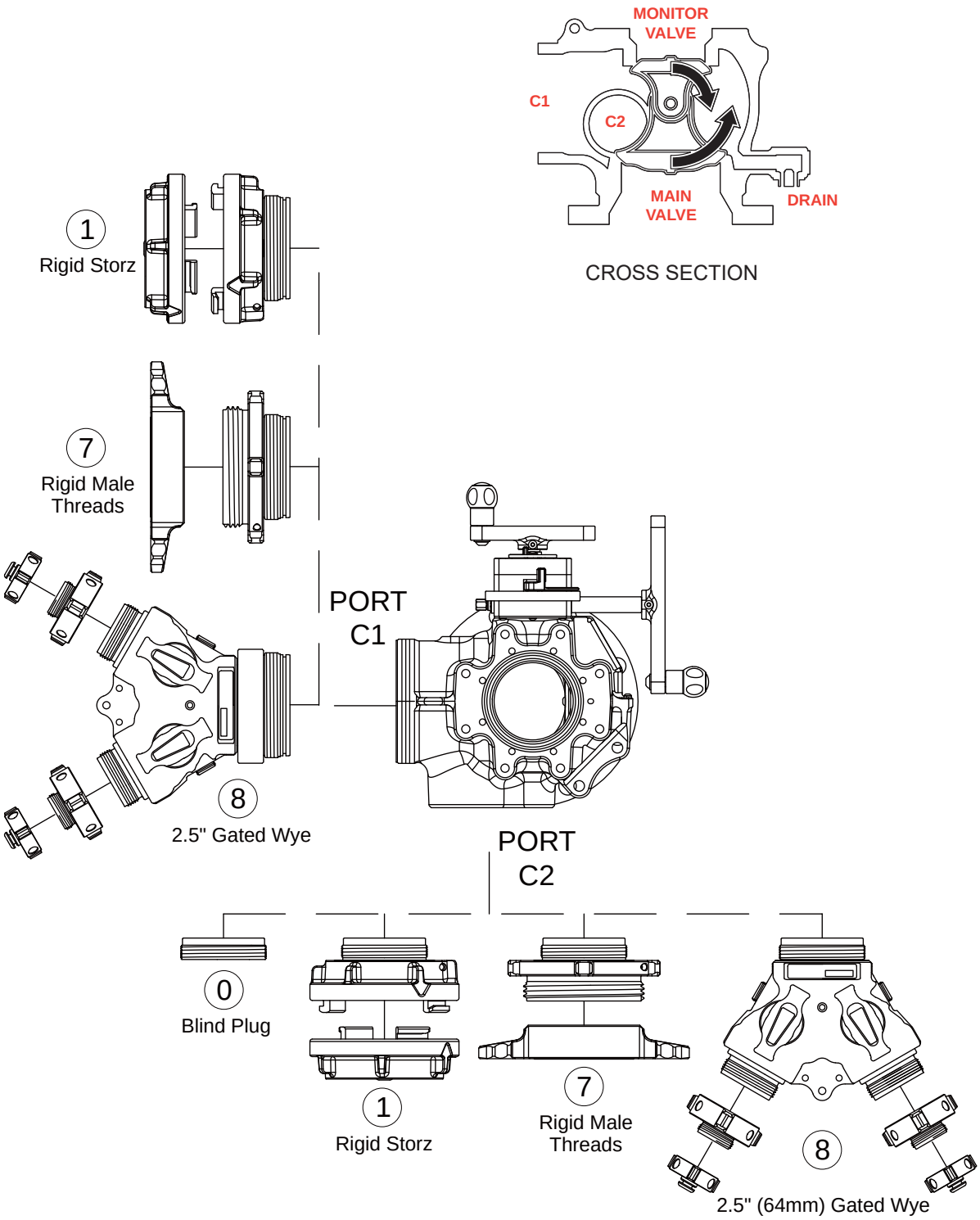
Shown with
Booster ZCH1T1
Not Included



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FM Approved Monitors

Hydrant Under Monitor
ZBAZ01T1T

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.



AUXILIARY PORT SPECIFICATIONS AND PRICING For Ports C1 & C2	
0) Blind Plug (port C2 only)	
1) Rigid Storz (includes cap)	
7) Rigid Male Threads (includes cap)	
8) 2.5" (64mm) Gated Wye (includes 2.5" (64mm) x 1.5" (38mm) reducers and 1.5" (38mm) NH caps)	

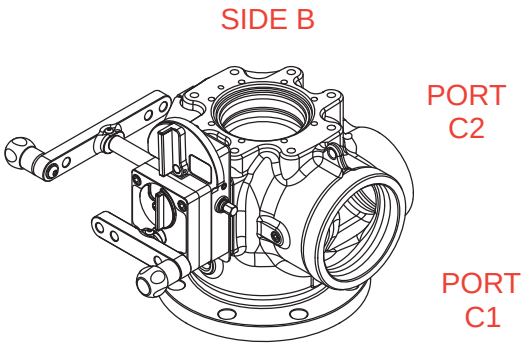
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

HYDRANT UNDER MONITOR

AUXILIARY PORT SPECIFICATIONS AND PRICING For Ports C1 & C2	
0) Blind Plug (port C2 only)	
1) Rigid Storz (includes cap)	
7) Rigid Male Threads (includes cap)	
8) 2.5" Gated Wye (includes 2.5" x 1.5" reducers and 1.5"NH caps)	

Dimensional Maximums

Weight 64.0 lb (29.0 kg)
Height 13.1 in (33.3 cm)
Width 25.0 in (63.5 cm)
Depth 27.0 in (68.6 cm)



ZBA

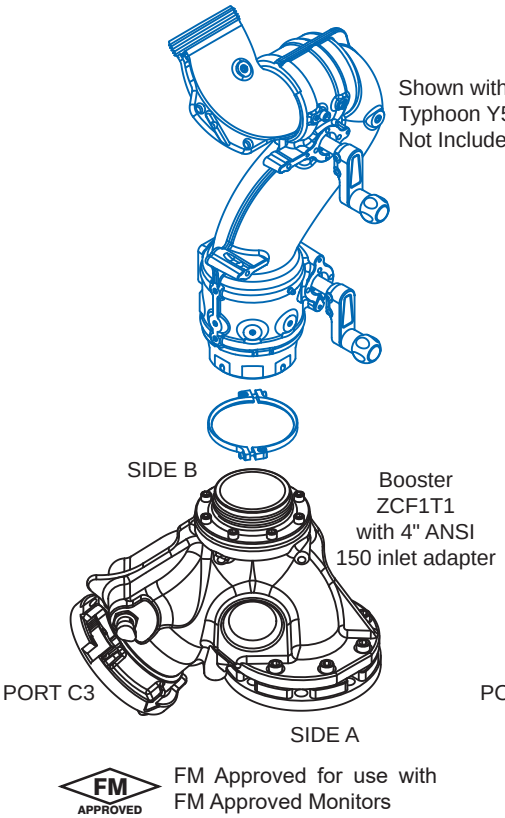
Drain Option	Side B	Port C1 With Cap		Port C2 With Cap	
D) Drain in main half ball Z) External Drain Only	0) No Side B Adapter (fits ZCH-series Booster) 1) Code-RPM 3) 4" ANSI 150 Q) 4.5" NH Quick Connect T) 2.5" NH Quick Connect V) Integrated Tornado (no coupling)	STYLE 1) Rigid Storz 7) Rigid Male Threads 8) 2.5" Gated Wye (Size J Only)	SIZE J) 2.5" N) 3.5" P) 4.0" R) 4.5" T) 5.0" X) 6.0"	STYLE 0) Blind Plug* 1) Rigid Storz 7) Rigid Male Threads 8) 2.5" Gated Wye (Size J Only)	SIZE 0) N/A* J) 2.5" N) 3.5" P) 4.0" R) 4.5" T) 5.0"

*Port C2 Blind plug requires "00" (two zeros), one for Style and one for Size.

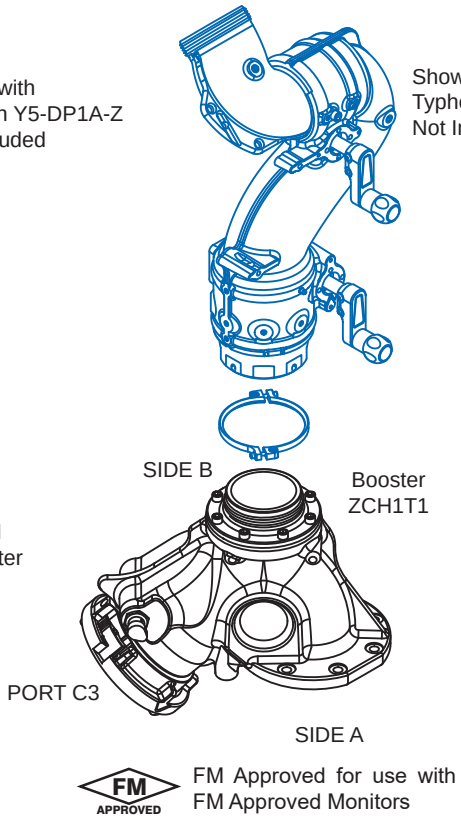
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

BOOSTER

The Booster provides a secondary supply inlet for monitors rated up to 2500 gpm (9400 l/min), allowing pressure to be boosted using a pump and/or foam to be introduced. An LDH hose or in-line foam eductor may be connected to the secondary inlet with optional Storz or female hose threads ranging from 3.5" (89mm) up to 6.0" (152mm). A swing check valve within the secondary inlet allows connections to be made while the monitor is flowing from the main inlet (standpipe). The main inlet can be configured for direct connection to a TFT Hydrant Under Monitor (HUM) or Industrial Valve Under Monitor (IVUM). Alternately, the main inlet can be adapted to a 3" (76mm) or 4" (102mm) ANSI 150 bolt pattern. Several options are available for monitor connection. Integration with a TFT monitor (side B option 1) allows two additional flanges to be omitted. Avoiding flanges on both sides of the Booster substantially reduces the height, weight and cost. The cast A356-T6 aluminum body and all structural 6061-T6 aluminum components are hard anodized, and the inlet flange and body are powder coated for additional resistance to galvanic corrosion. All models are equipped with an external automatic drain valve. This allows the monitor and Booster to be fully drained after each use when pressure drops below 5 psi (0.3bar), thus minimizing susceptibility to damage from corrosion and freezing water.



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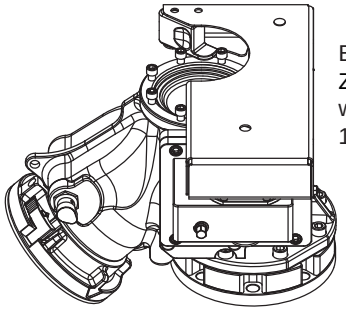


FM APPROVED — FM Approved for use with FM Approved Monitors

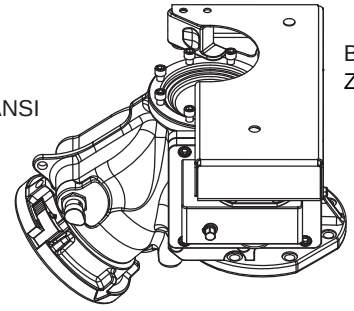
BOOSTER OSC

The Booster OSC adds the capability to oscillate a TFT monitor horizontally up to 120 degrees using energy from a water-driven turbine. All of the turbine water exits the monitor nozzle, thus avoiding the water expelled below the monitor that plagues other manufacturers' oscillating units. Oscillation is activated by water flow from 1000 gpm to 2500 gpm (3800 to 9400 l/min), supplied either from the main inlet or secondary inlet of the Booster. Oscillating sweep angle can be adjusted from zero to 120 degrees in 10 degree increments at any time while oscillating or stationary, without removing the hard anodized safety guard that encloses the oscillating mechanism. Oscillating pattern can be verified without flowing water, using a ½" hex wrench. Oscillating speed is directly proportional to flow rate, and is 4 cycles per minute at 2000 gpm (7600 l/min) with the default pulley set installed. An alternate pulley set stored within the safety guard allows the oscillating speed to be doubled by exchanging the pulleys using common hand tools.

The Booster OSC is compatible with TFT Monsoon, Typhoon and Hurricane monitors that are specified with inlet option W) swivel base.

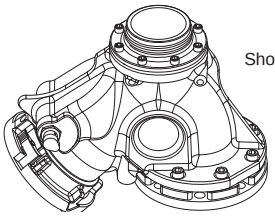


Booster OSC
ZCF1T1-OSC
with 4" (102mm) ANSI
150 inlet adapter



Booster OSC
ZCH1T1-OSC

BOOSTER



Booster ZCF1T1
Shown With 4" ANSI 150
Inlet Adapter

FM APPROVED

FM Approved for use with
FM Approved Monitors

Booster for direct-connection to HUM or IVUM and TFT Monitor

Dimensional Maximum
ZCH*
29.9 lb (13.6 kg)
10.9" (27.7 cm) height
17.4" (44.2 cm) width
8.8" (22.4 cm) depth

ZCH

Port C3 Relay Inlet		Side B outlet
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	1) CODE-RPM for TFT monitor integration Q) 4.5" (114mm)NH Quick Connect for Lg. Monitors T) 2.5" (64mm) NH Quick Connect for Tornado V) Integrated Tornado (no coupling)

Booster for direct connection to HUM or IVUM; 4" (102mm) ANSI 150 outlet

Dimensional Maximum
ZCH3**
32.1 lb (14.6 kg)
11.4" (29.0 cm) height
17.4" (44.2 cm) width
8.8" (22.4 cm) depth

ZCH

Port C3 Relay Inlet		Side B outlet
		3
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	3) 4" (102mm) ANSI 150

Booster with 4" (102mm) ANSI 150 inlet adapter and direct-connection to TFT Monitor

Dimensional Maximum
ZCF*
36.5 lb (16.6 kg)
12.2" (31.0 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCF

Port C3 Relay Inlet		Side B outlet
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	1) CODE-RPM for TFT monitor integration Q) 4.5" (114mm) NH Quick Connect for Lg. Monitors T) 2.5" (38mm) NH Quick Connect for Tornado

Booster with 4" (102mm) ANSI 150 inlet adapter and 4" (102mm) ANSI 150 outlet

Dimensional Maximum
ZCF3**
38.7 lb (17.6 kg)
12.7" (32.3 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCF

Port C3 Relay Inlet		Side B outlet
		3
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	3) 4" (102mm) ANSI 150

Booster with 3" (76mm) ANSI 150 inlet adapter and direct-connection to TFT Monitor

Dimensional Maximum
ZCG*
36.5 lb (16.6 kg)
12.2" (31.0 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCG

Port C3 Relay Inlet		Side B outlet
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	1) CODE-RPM for TFT monitor integration Q) 4.5" (114mm) NH Quick Connect for Lg. Monitors T) 2.5" (38mm) NH Quick Connect for Tornado

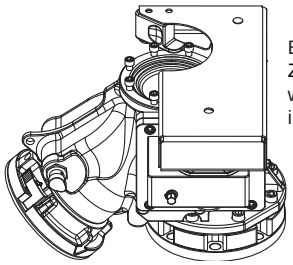
Booster with 3" (76mm) ANSI 150 inlet adapter and 4" (102mm) ANSI 150 outlet

Dimensional Maximum
ZCG3**
38.7 lb (17.6 kg)
12.7" (32.3 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCG

Port C3 Relay Inlet		Side B outlet
		3
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	3) 4" (102mm) ANSI 150

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.



Booster OSC
ZCF1T1-OSC
with 4" ANSI 150
inlet adapter

Booster OSC for direct connection to HUM or IVUM

Dimensional Maximum
ZCH-OSC**
32.1 lb (14.6 kg)
11.4" (29.0 cm) height
17.4" (44.2 cm) width
8.8" (22.4 cm) depth

ZCH

Port C3 Relay Inlet		Side B outlet
		-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	-OSC) Accepts TFT monitor with option W swivel base

Booster OSC with 4" (102mm) ANSI 150 inlet adapter and 4" (102mm) ANSI 150 outlet

Dimensional Maximum
ZCF-OSC**
38.7 lb (17.6 kg)
12.7" (32.3 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCF

Port C3 Relay Inlet		Side B outlet
		-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	-OSC) Accepts TFT monitor with option W swivel base

Booster OSC with 3" (76mm) ANSI 150 inlet adapter and 4" (102mm) ANSI 150 outlet

Dimensional Maximum
ZCG-OSC**
38.7 lb (17.6 kg)
12.7" (32.3 cm) height
17.5" (44.5 cm) width
8.9" (22.6 cm) depth

ZCG

Port C3 Relay Inlet		Side B outlet
		-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (76mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (154mm)	-OSC) Accepts TFT monitor with option W swivel base

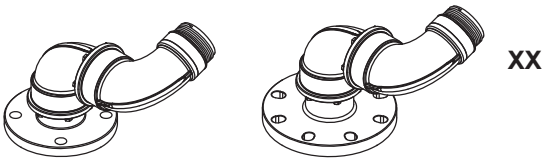
National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FLANGED MONITOR SERIES

The Flanged Oscillating Monitor can be used for exposure protection, cooling, or any other situation where it is desirable to have a monitor sweep back and forth. It is intended for mounting on fixed piping structures and is offered with a 3" (76mm) ANSI I50 or 4" (102mm) ANSI I50 150/DN100 PN16 inlet flange. The Flanged Oscillating Monitor operates between 20 degrees either side of center, and is adjustable to 90 degrees up and 45 degrees down relative to the flange. The maximum flow rate is 500 gallons per minute. The sweep can be set for a 20, 30, or 40 degree sweep. The oscillating mechanism can be disengaged and the stream can be aimed manually. The speed of the oscillator is a function of the flow rate.

XX-**

11.5 lb (5.2kg)
6.7" (16.9 cm) height
7.4" (18.8 cm) width
5.9" (14.9 cm) depth



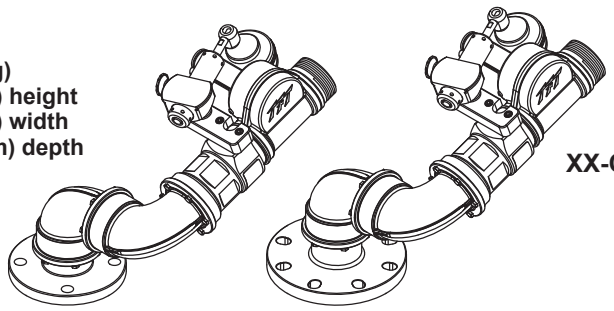
3.0" (76mm) ANSI I50 INLET 4.0" (102mm) ANSI 150/DN100 PN16 INLET

XX

SIDE A - Inlet Flange	SIDE B - Outlet
A) 3" (76mm) ANSI 150 **B)** 4" (102mm) ANSI 150/ DN100 PN16	**A)** 2.5" (64mm) NH **B)** 2.5" (64mm) BSP **C)** 2.5" (64mm) NPSH **D)** SPECIAL THREADS

XX-OSC-**

21.0 lb (9.5 kg)
6.7" (16.9 cm) height
7.4" (18.8 cm) width
16.3" (41.5 cm) depth



3.0" (76mm) ANSI I50 INLET 4.0" (102mm) ANSI 150/DN100 PN16 INLET

XX-OSC-

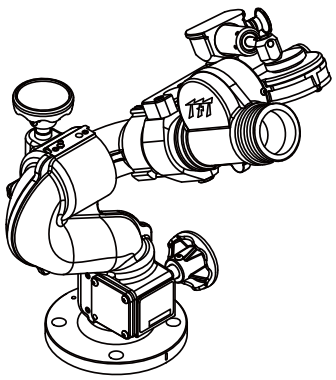
SIDE A - Inlet Flange	SIDE B - Outlet
A) 3" (76mm) ANSI 150 **B)** 4" (102mm) ANSI 150/ DN100 PN16	**A)** 2.5" (64mm) NH **B)** 2.5" (64mm) BSP **C)** 2.5" (64mm) NPSH **D)** SPECIAL THREADS

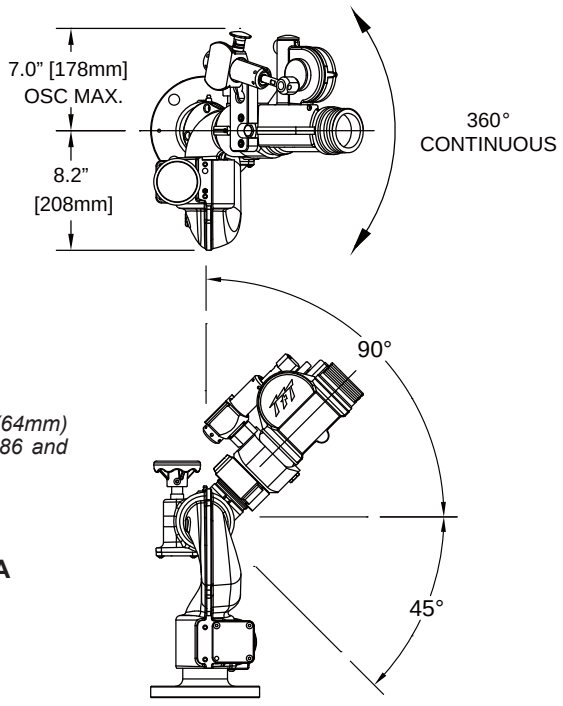
TORNADO® OSC

Rated up to 500 gpm (2000 l/min), the Tornado OSC is a truck-mounted or fixed installation monitor. The monitor outlet shall have a user adjustable sweep pattern of 20°, 30°, or 40° automatic oscillating sweep pattern with manual override. The oscillating outlet component can be rotated to allow side to side, up and down, or any angle in between. An internal water-driven turbine shall power the oscillation without discharging water to the ground below the unit. The handwheels shall provide elevation control from 90° above horizontal to 45° below horizontal, and a full 360° continuous horizontal rotation. User installed travel limit stops shall be included. The monitor shall be constructed of hard coat anodized aluminum alloy and shall have a red powder coat finish inside and out. Various flange inlets shall be available (specify). Unit shall have serial number and a 5-year warranty.

Y2-SA**

26.8 lb (12.2kg)





When ordering a Tornado OSC, choose one option from each category.

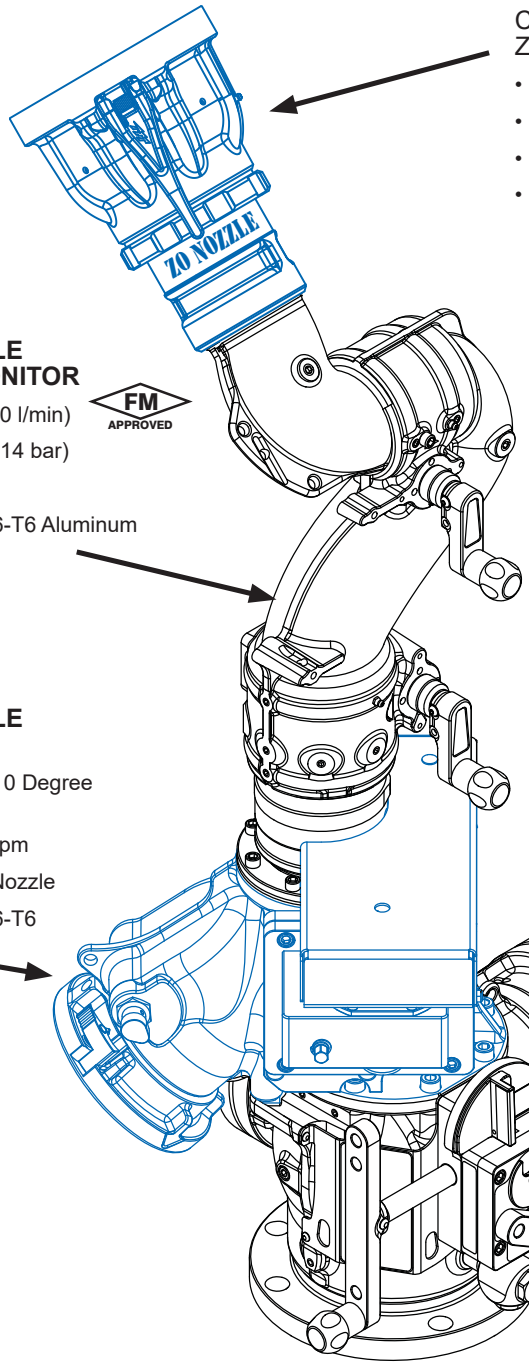
***For example:** Model Y2-SF1A is a 3.0" (76mm) ANSI 150 Inlet with a 2.5" (64mm) -7.5 NH Male Outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.*

Y2-S

SIDE A - Inlet Flange	SIDE B - Outlet
D) 2.5" (64mm) ANSI 150 F) 3.0" (76mm) ANSI 150 G) 4.0" (102mm) ANSI 150/DN100 PN16	1) 2.5" (64mm) - 7.5 NH MALE 2) 2.5" (64mm) -1 1 BSP MALE 3) 2.5" (64mm) - 8 NPSH MALE 9) SPECIAL 2.5" (64mm)

A

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.



CHOICE **OF COMPATIBLE**
ZO **INDUSTRIAL NOZZLE** FM APPROVED

- 1500 gpm (6000 l/min) Fixed Gallonage Nozzle
- Folding Handles for Shaper Control
- Pattern From Straight Stream To 120° Wide Fog
- Powder-coated and Hardcoat Anodized Aluminum For Maximum Resistance To Corrosion And Wear

(see page 200-201)

CHOICE **OF COMPATIBLE**
TYPHOON **MANUAL MONITOR** FM APPROVED

- Flows Up To 1500 gpm (6000 l/min)
- Operating Pressure 200 psi (14 bar)
- Only 19 psi (1.3 bar) Loss
- Hardcoat Anodized ANSI 356-T6 Aluminum

(see page 158)

CHOICE **OF COMPATIBLE**
HYDRANT **UNDER MONITOR**

FM APPROVED FM Approved for use with FM Approved Monitors

- Adds Two Full Flow LDH Ports
- Maximum Operating Pressure 300 psi (21 bar)
- Two Slow Close Shutoff Valves Allow Independent Or Simultaneous Operation
- Main Valve Has A 5.25” Waterway
- Cast A356-T6 Aluminum Valve Body And All Structural 6061-T6 Aluminum Components Are Hard Anodized
- Two Standard Automatic Drains

(see page 204-206)

CHOICE **OF COMPATIBLE**
BOOSTER **OSC**

- Sweeps 0 - 120 Degrees In 10 Degree Increments
- Operating At 1000 To 2500 gpm
- All Water Exits The Monitor Nozzle
- Hardcoat Anodized ANSI 356-T6 Aluminum

(see page 207-209)

ULTIMATE COMBO

147.7 lb (66.9kg)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

QUICK CONNECT INLET ADAPTERS

Inlet adapters have 4.5”NH male threaded outlet with proprietary internal slots to secure TFT Quick Connect Monitors and Elbows. Available for Hurricane, Typhoon and Monsoon Monitors. Standard 4.5”NH female hose couplings may also be attached to these inlet adapters. Constructed of corrosion resistant, hardcoat anodized aluminum alloy. Maximum operating pressure is 250 psi (17 bar).

YQC-TP

Inlet Adapter 4”NPT Female
2.3 lb (1.0 kg)
3.20” (8.1 cm) Height
5.7” (14.5 cm) OD

YQC-RLF

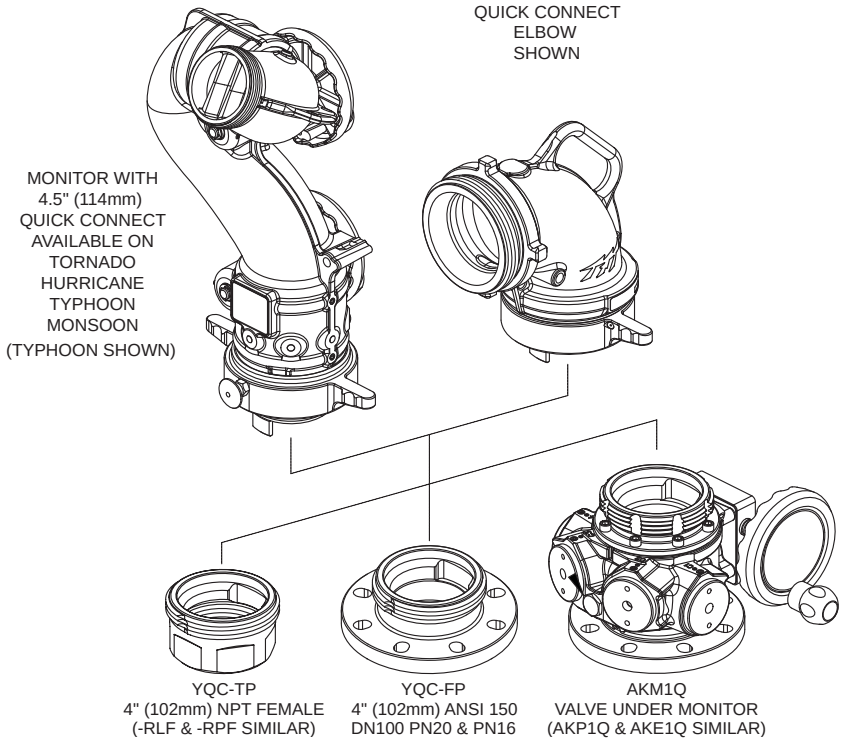
Inlet Adapter CODE-RLF
For 3” Extend-A-Gun
(manual & RC3)
2.0 lb (0.9 kg)
3.20” (8.1 cm) Height
5.7” (14.48 cm) OD

YQC-RPF

Inlet Adapter CODE-RPF
For 4” Extend-A-Gun RC4
2.0 lb (0.9 kg)
3.00” (8.1 cm) Height
5.7” (14.48 cm) OD

YQC-FP

Inlet Adapter 4”ANSI 150
Also fits DN100 PN20 & PN16
5.9 lb (2.6 kg)
3.20” (8.1 cm) Height
9.0” (23.0 cm) OD



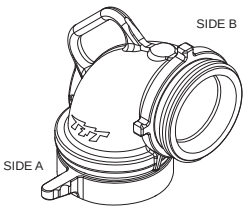
ALSO AVAILABLE:
Valve Under Monitor with 4.5” (114mm) Quick Connect
See Valve Under Monitor section, Items AKM1Q, AKP1Q and AKE1Q

QUICK CONNECT ELBOW

The Quick Connect Elbow is interchangeable with the Quick Connect Inlet options offered on the Monsoon, Typhoon and Hurricane monitors. Full-time ball bearing swivel allows 360° rotation while coupling remains secured. Blind 1/4” NPT port may be drilled through to add pressure gauge or bleeder. Constructed of hardcoat anodized aluminum alloys, with powdercoat finish inside and out on the elbow casting for maximum corrosion protection. Maximum operating pressure is 300 psi (17 bar).

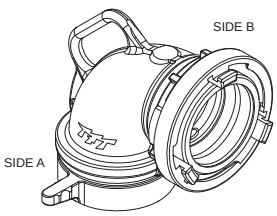
Dimensional Maximum
AF9NR-SX

19.0 lb (8.6 kg)
12.6” (32.1 cm) Height
8.5” (21.7 cm) Width
13.20” (33.6 cm) Depth



AF5		SIDE A - Female Swivel NH
		4.5” (114mm) Quick Connect
SIDE B - Male NH	4.0" (102mm) Threaded	AF5QNR-NP
	4.5" (114mm) Threaded	AF5QNR-NR
	5.0" (127mm) Threaded	AF5QNR-NT
	6.0”(152mm) Threaded	AF5QNR-NX

AF ☐ QNR - ☐
(Choose Side B suffix from Tables)
Example:
4.0” (102mm) NH Male Thread on Side B would be AF5QNR-NP

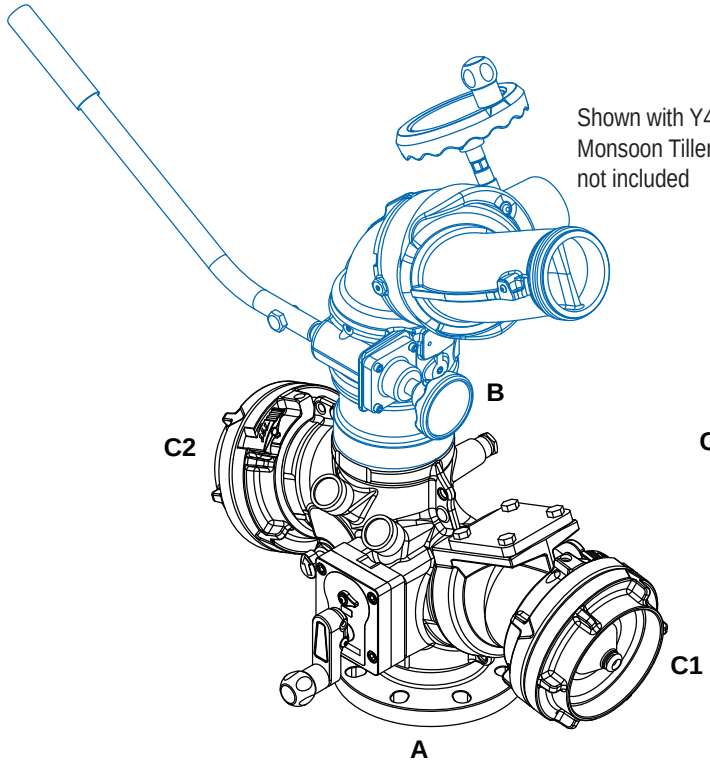


AF9		SIDE A - Female Swivel NH
		4.5” Quick Connect
SIDE B - Rigid Storz	4.0" (102mm) Storz	AF9QNR-SP
	5.0" (127mm) Storz	AF9QNR-ST
	6.0” (152mm) Storz	AF9QNR-SX

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

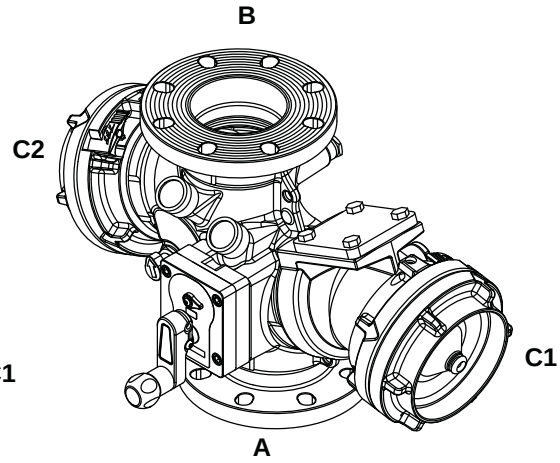
OASIS UNDER MONITOR

The Oasis Under monitor can be used to boost pressure to a monitor, supply foam to a monitor, or to supply water to a hose line. In monitor boosting operation, the valve is first opened and water is supplied to the monitor at line pressure. Inlet and outlet supply lines on a boost pumper are then connected to the valve to divert water through the boost pump and increase pressure/flow to the monitor. A clapper valve provides uninterrupted water flow to the fire when transitioning to boost mode and in the event of boost pump failure. Two unique valve position indicators tell the operator if the ball and clapper valves are open or closed. The side B monitor port is available with a 4" (102mm) ANSI flange, direct monitor connection and quick connect, as well as other options. Designed for use with 3.5, 4, 4.5, 5 or 6 inch (89, 100, 115, 125 or 152 mm) hose. In addition to an aluminum half ball, A356-T6 aluminum castings are hardcoat anodized and TFT powdercoated red inside and out to provide additional resistance to galvanic corrosion. The maximum operating pressure is 250 psi (17 bar).



Shown with Y4-TX1A-Z Monsoon Tiller Monitor not included

Contact Factory for Delivery and Configurations



OASIS UNDER MONITOR
ARZAX2T2T
INLET FLANGE 4" (102mm) ANSI 150 ALUM

OASIS UNDER MONITOR
ARZA32T2T
INLET FLANGE 4" (102mm) ANSI 150 ALUM

Dimensional Maximums
ARZA****

Weight 68.5 lb (31.0 kg)
Height 13.6 in (34.5 cm)
Width 24.0 in (70.0 cm)
Depth 16.1 in (40.9 cm)

Dimensional Maximums
ARZAX***

Weight 68.5 lb (31.0 kg)
Height 13.6 in (34.5 cm)
Width 24.0 in (70.0 cm)
Depth 16.1 in (40.9 cm)

ARZA					

(Choose Side B/Side C1/Side C2 suffix from table)
Example: An integrated TFT Monitor adaptor on Side B, a Storz 5" (127mm) on Side C1 and Storz 5" (127mm) on Side C2 would be

ARZA	X	2	T	2	T

	SIDE B OUTLET	SIDE C1 OUTLET TO BOOST		SIDE C2 BOOSTED INLET	
ARZA					
	X) CODE-RRF for integrated TFT Typhoon, Monsoon, or Hurricane Monitor 1) CODE-RPM male threaded outlet 3) 4"(102mm) ANSI 150 Flange Q) 4.5" (114mm) NH Quick Connect for Large Monitors T) 2.5" (64mm) NH Quick Connect for Tornado V) Integrated Tornado (no coupling)	**STYLE** 2) Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	**SIZE** N) 3.5" (89mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (152mm)	**STYLE** 2) Storz 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	**SIZE** N) 3.5" (89mm) P) 4" (102mm) R) 4.5" (114mm) T) 5" (127mm) X) 6" (152mm)

National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.

FIELD REPAIR KITS

1.0" (25mm) Twister, Quadrafog, And D75 Series Ball Valves

D10-KIT	1.0” (25mm) Twister Front End Seat/Seal Kit
D75-KIT	1.0” (25mm) Rear Valve Seat Kit
D75-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)
D75-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)

1.5” Twister, QuadraFog, QuadraCup, and F100 Series Ball Valves

F20-KIT	1.5” (38mm)Twister Front End Seat/Seal Kit
F100-KIT	Valve Rear Seat Kit
F100-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)
F100-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)

1.5” and 2.5” ThunderFog, F140 and J140 Ball Valve Series

F140-KIT	Valve Rear Seat Kit
F140-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)
F140-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)
J140-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)

BUBBLECUP SERIES

D285-KIT	1.0” (25mm) BubbleCup Stream Shaper Kit
F685-KIT	1.5” (38mm) BubbleCup Stream Shaper Kit
F675-KIT	QuadraCup Aluminum Stream Shaper Kit
F675-UPGRADE	QuadraCup Aluminum Sleeve Upgrade

ULTIMATIC SERIES - Manufactured After 1983

B950-KIT	Bail Handle Kit (Metal)
B955-KIT	Bail Handle Kit (Manufactured After 8/05)
B960-KIT	Valve Seal Kit
B880-KIT	Stream Shaper Kit

MIDRANGE SERIES

HM960-KIT	Nozzle Seal Kit
HMD830-KIT	Dual Pressure Knob 100 psi (7bar)
HMD830-75KIT	Dual Pressure Knob 75 psi (5bar)
HM840-KIT	100 Psi Control Unit
HM840-75-KIT	75 Psi Control Unit
HMD840-KIT	Dual Pressure Control Unit 100/55 Psi (7/4bar)
HM997N-KIT	1.5 (38mm) NH Coupling Kit
HM997I-KIT	1.5 (38mm) NPSH Coupling Kit
HM590-KIT	-V and -VPGI Valve Plug
HM592-KIT	STO Valve Plug
HM950-KIT	Bail Handle Kit
HM880-KIT	Stream Shaper Kit

HANDLINE SERIES
(manufactured after 1983 to current)

H994I-KIT	1.5 (38mm) NPSH Coupling Kit
H994N-KIT	1.5 (38mm) NH Coupling Kit
H880-KIT	Stream Shaper Kit
H960-KIT	Valve Seal Kit
P920-KIT	Playpipe Handle/Hdw Kit
HX950-KIT	Bail Handle Kit (Replaces Metal Handle)

(manufactured after Jan 01, 2004)

HX840-75-KIT	Pressure Control Unit 75 psi (5bar)
HX840-KIT	Pressure Control Unit 100 psi (7bar)
HXD830-KIT	Dual Pressure Knob 100 psi (7bar)
HXD830-75KIT	Dual Pressure Knob 75 psi (5bar)
HXD840-KIT	Dual Pressure Control Unit 100/55 psi (7/5bar)
HXDL840-KIT	Dual Pressure Control Unit 75/45 psi (5/3bar)

HANDLINE SERIES UPGRADE KITS
(manufactured between 1985 to 2003)

Single Pressure

HX-100-KIT	95-300 GPM @ 100 PSI (360-1136 l/min @ 7bar
HX-75-KIT	95-250 GPM @ 75 PSI (360-946 l/min @ 5bar
HX-55-KIT	95-225 GPM @ 55 PSI (360-852 l/min @ 4bar

Dual Pressure

HXD-100-KIT	95-300 GPM @ 100/55 PSI (dual pressure) (360-1136 l/min @ 7/4 bar)
HXD-75-KIT	95-250 GPM @ 75/45 PSI (dual pressure) (360-946 l/min @ 5/3 bar)

EXTEND-A-GUN SERIES

XG840-KIT	MANUAL EXTEND-A-GUN REED SWITCH
XGA840-KIT	RC3 EXTEND-A-GUN REED SWITCH (made **before** June 2009)
XGA841-KIT	RC4 EXTEND-A-GUN REED SWITCH (made **before** June 2009)
XGE695-KIT	RC EXTEND-A-GUN REED SWITCH (made **after** June 2009)
XGE690-KIT	RC EXTEND-A-GUN DRIVE BOX Repair Kit (6/1/09 and newer)

LDH SERVICE KITS

A1520-KIT	AB, AC, and ABS Series BIV Valve Seat Kit
A1082-KIT	AX, AP, and AQ Series Jumbo BIV Valve Seat Kit
A1621-KIT	Vent Drain Kit - Lever Style
A1633-KIT	Parallel Shaft Gear Box Kit
A1890NJ	Pressure Relief Valve Test Kit – Flanged
A1891NJ	Pressure Relief Valve Test Kit – Threaded
AX1690-KIT	BIV RC Upgrade
A4173-KIT	4” (114mm) Storz Lock Lever Kit
A4176-KIT	5” (127mm) Storz Lock Lever Kit
THA401	Retaining Strip Removal Tool
AM-BAND-KIT	Suction Hose Repair Kit
A1410-KIT	Suction Screen 5” (127mm)
A1411-KIT	Suction Screen 6” (152mm)
JET-ELBOWKIT	Jet Siphon Elbow Upgrade Kit

LUBRICANTS

VSA-101	Dow 112 Grease 5.3Oz Tube
VSA-110	Breakfree 4Oz Aerosol
VSA-112	Breakfree 12Oz Aerosol
H-LUBE-KIT	Nozzle Lubrication Kit

2.5" GATED WYE

AY175-KIT	200 psi Gauge Kit For AT Series 2.5” Gated Wye
AY176-KIT	300 psi Gauge Kit For AT Series 2.5” Gated Wye
A1621-KIT	Vent Drain Kit - Lever Style
AY970-KIT	Slow Close Valve Kit

CROSSFIRE - BLITZFIRE

X455-KIT	Tie Down Strap
XX482-KIT	Blitzfire Spike Replacement Kit
XX830-KIT	Elevation Swivel Clutch Assembly
XX910-KIT	Blitzfire Trip Mechanism Kit
XXSTRAP-KIT	Blitzforce Strap
XF400-KIT	Truck Mount Block

EDUCTOR

UE960-KIT	Cam Lock Adaptor

MONITORS

TETHER01-KIT	Stacked Tips Tether Kit

**National Hose threads per NFPA 1963 are standard.
Contact TFT for Special Threads.**

H-VO VALVES

P690-KIT	Ball Valve Repair Kit

PRO/PAK

U230-KIT	PRO/pak Knob Repair Kit

INTEGRAL SMOOTH BORE ORIFICE REPLACEMENT

P116-KIT	Stream Straightener 1-1/2"
HVIT1-KIT	VIT Ball Valve Outlet 7/8" (22mm)
HVIT2-KIT	VIT Ball Valve Outlet 15/16" (24mm)
HVIT3-KIT	VIT Ball Valve Outlet 1" (25mm)
HVIT4-KIT	VIT Ball Valve Outlet 1-1/8" (29mm)
HVIT5-KIT	VIT Ball Valve Outlet 1-1/4" (32mm)
HVIT6-KIT	VIT Ball Valve Outlet 1-3/8" (35mm)

VALVE UNDER MONITOR SERIES

AY321-KIT	Aluminum Long Handle 4.75" (121mm) swing radius
AY322-KIT	Aluminum T-Handle 2.25" (57mm) swing radius

COLORED HANDLE KITS

Colored Valve Handle Covers

All nozzles delivered after 09/01/09 have the ability to have colored valve handles added. Colored handle covers for TFT series of nozzles are available at no charge when the warranty card is filled out and mailed in, or if the warranty information is filled out on-line at www.tft.com. The following colors are available and for a nominal fee can be custom laser engraved. For additional information on this option, contact TFT customer service.

HM925BLK-KIT	BLACK COVER	
HM925BLU-KIT	BLUE COVER	
HM925GRN-KIT	GREEN COVER	
HM925GRY-KIT	GRAY COVER	
HM925ORG-KIT	ORANGE COVER	
HM925PNK-KIT	PINK COVER	
HM925PPL-KIT	PURPLE COVER	
HM925RED-KIT	RED COVER	
HM925RW-KIT	RED & WHITE COVER	
HM925TAN-KIT	TAN COVER	
HM925WHT-KIT	WHITE COVER	
HM925YEL-KIT	YELLOW COVER	

INSTRUCTION MANUALS

(instruction manuals available at no charge)

All Manuals are available on line at www.tft.com or call customer service at 1-219-548-4000.

PISTOL GRIP KITS

Colored Pistol Grips for TFT Nozzles

All TFT nozzles delivered after 03/01/01 have the ability to have colored pistol grips added. For nozzles manufactured before this date, contact TFT's service department for availability. When a nozzle is ordered with a pistol grip, it will be shipped from TFT with a black grip and the offer to provide a free colored grip of your choice when the warranty card is filled out and mailed in, or if the warranty information is filled out on-line at www.tft.com. Kits can also be ordered for adding a grip to a non-grip model for a nominal fee.

HM692BLK-KIT	BLACK GRIP	
HM692BLU-KIT	BLUE GRIP	
HM692GRN-KIT	GREEN GRIP	
HM692GRY-KIT	GRAY GRIP	
HM692ORG-KIT	ORANGE GRIP	
HM692PNK-KIT	PINK GRIP	
HM692PPL-KIT	PURPLE GRIP	
HM692RED-KIT	RED GRIP	
HM692TAN-KIT	TAN GRIP	
HM692WHT-KIT	WHITE GRIP	
HM692YEL-KIT	YELLOW GRIP	

PISTOL GRIP KITS

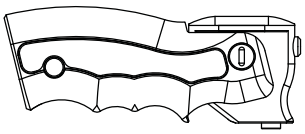
Colored Pistol Grips for TFT Impulse Nozzles With A Trigger Valve System

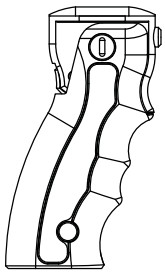
When a nozzle is ordered with a Trigger Valve System, it will be shipped from TFT with a black grip and the offer to provide a free colored grip of your choice when the warranty card is filled out and mailed in, or if the warranty information is filled out on-line at www.tft.com.

TN691BLK-KIT	BLACK GRIP COVER	
TN691BLU-KIT	BLUE GRIP COVER	
TN691GRN-KIT	GREEN GRIP COVER	
TN691GRY-KIT	GRAY GRIP COVER	
TN691ORG-KIT	ORANGE GRIP COVER	
TN691PNK-KIT	PINK GRIP COVER	
TN691PPL-KIT	PURPLE GRIP COVER	
TN691RED-KIT	RED GRIP COVER	
TN691TAN-KIT	TAN GRIP COVER	
TN691WHT-KIT	WHITE GRIP COVER	
TN691YEL-KIT	YELLOW GRIP COVER	

FOLDING PISTOL GRIP

FOLDING PISTOL GRIP KIT – This space-saving, folding pistol grip will take up less space and allow the TFT nozzle to fit into tight crosslays and hose beds. It deploys quickly and easily, locking in place automatically. When ready to stow, simply press the lock release button and fold it back. Pistol grip is machined from aluminum alloy and hardcoat anodized for durability and corrosion resistance. Pistol grip is black with white Scotchlite reflective inserts. Other NFPA Scotchlite color code inserts are available on request. Fits all TFT nozzles delivered after 03/01/2001. New nozzles may be ordered with folding pistol grip installed at the factory.





HM792-KIT

1.7 lb (0.7kg)
8.50" (21.6cm)

When ordered for an existing nozzle.

HM792-KIT comes standard with a white Scotchlite Insert.

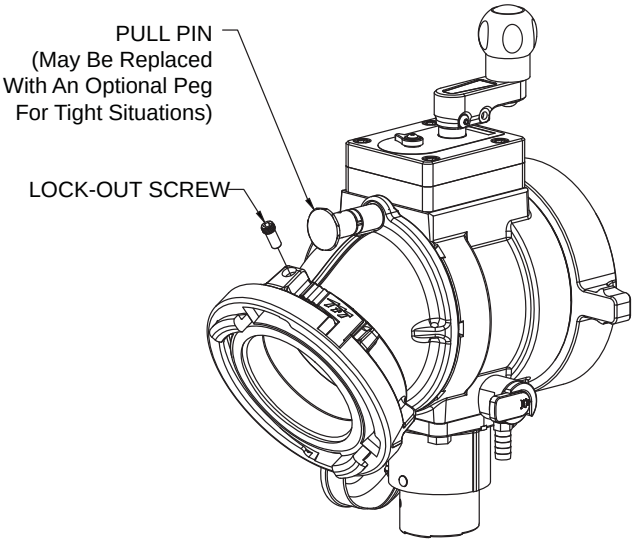
When Ordered With a New Nozzle

HM792-DKIT	TWISTER, QUADRAFOG, BUBBLECUP D- SERIES
HM792-FKIT	TWISTER, QUADRAFOG, BUBBLECUP F- SERIES
HM792-FTKIT	FLIP-TIP SERIES
HM792-GKIT	G-FORCE SERIES
HM792-HKIT	HANDLINE / DUAL-FORCE SERIES
HM792-HMKIT	MIDMATIC / MID-FORCE SERIES
HM792-JKIT	THUNDERFOG J-SERIES
HM792-UKIT	ULTIMATIC SERIES

CHANGING COUPLING LOCK-OUT

To change a coupling from rigid to full time swivel, use a 7/32” (5mm) Allen driver to back out the lockout screw until the coupling moves freely.

To change a coupling from full time swivel to rigid, first align the pull pin in the elbow to vertical. Rotate the coupling until the lockout screw is aligned with the pull pin. Use a 7/32” (5mm) Allen driver to tighten the lockout screw into the lockout divot in the elbow.



FLANGE SPECIFICATIONS

FLANGE SPECIFICATIONS					
FITS FLANGE	**OUTSIDE DIAMETER**	**THICKNESS**	**BOLT HOLE CIRCLE**	**NUMBER OF BOLTS**	**SIZE OF BOLTS**
3" ANSI 125/150 DN80 PN20	7.50" 190 mm	0.75" 20 mm	6.00" 152.5 mm	4 4	5/8" M16
4" ANSI 150 DN100 PN20	9.00" 230 mm	0.94" 23 mm	7.50" 190.5 mm	8 8	5/8" M16
DN80 PN16	200 mm	22 mm	160 mm	8	16 mm
DN100 PN16	220 mm	22 mm	180 mm	8	16 mm

Adapters, Threaded Small Diameter - Threaded adapters shall be constructed of corrosion resistant, hard coated heat treated aluminum alloy, with stainless steel components. The adapter shall include reflective elements and color coding. The units shall meet a 900 psi hydrostatic strength test. Adapters shall meet NFPA 1965. The threaded adapters shall be covered by a 5 year warranty.

Adapters, Large Diameter Threaded and Storz - Adapters shall be constructed of corrosion resistant hardcoat anodized aluminum alloy, with stainless steel components. The units shall meet a 900 psi hydrostatic design strength test. Adapter shall meet NFPA 1965. All large hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. Unit shall be available with a choice of hose threaded or Storz couplings, have a serial number, and covered by a 5-year warranty.

AYNG Hi-Rise Wye Series - A 2-½" female inlet by one 1-½" male threaded outlet with ball valve and one 1½" non-valved outlet with protected pressure gauge shall be standard. Wye construction shall be of corrosion resistant hardcoat anodized, powder coated aluminum alloy with stainless steel components. Valve shall include high strength nylon folding handle for compact storage, and hardcoat aluminum shutoff ball with easily changeable valve seats. Valve shall have engraved serial number and a 5-year warranty.

AYNJ Gated Leader Wye Series - A 2-½" female inlet by two 1-½" male threaded outlets shall be standard. Wye construction shall be of corrosion resistant hardcoat anodized, powder coated aluminum alloy, and stainless steel components. Valve shall include high strength nylon handles with built-in stops, and hardcoat aluminum shutoff balls with easily changed valve seats. Valve shall have engraved serial number and a 5-year warranty.

Ball Intake Valve Series - Ball intake valve shall be constructed of corrosion resistant, hardcoat anodized aluminum alloy, with stainless steel components and ball section. The unit shall have limited friction loss at 2000 gpm flow and be designed for both pressure and vacuum service. The valve shall have an adjustable 90-300 psi pressure relief valve, air/water drain valve, valve position indicator, chain/lanyard attachment anchor eye, maximum operating pressure shall be 250 psi, and shall meet a 900 psi hydrostatic strength test. The valve shall meet NFPA 1965. The valve shall have a silver powder coat finish inside and out. All hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. The 30° inlet elbow shall swivel 360° and have multiple positive detents to prevent hose kinking and coupling stress. Gear box mounted handcrank or side handwheel meets NFPA 1901 slow-close requirements, and handwheel shall be reversible from side to side. Unit shall be available with a choice of hose threaded or Storz couplings, have a serial number, and be covered by a 5-year warranty.

Ball Intake Valve Short Series - Ball intake valve shall be constructed of corrosion resistant, hardcoat anodized aluminum alloy, with stainless steel components and ball section. The unit shall have limited friction loss at 2000 gpm flow and be designed for both pressure and vacuum service. The valve shall have an air/water drain valve, valve position indicator, chain/lanyard attachment anchor eye. Maximum operating pressure shall be 250 psi, and meet a 900 psi hydrostatic strength test. The valve shall meet NFPA 1965. The valve shall have a silver powdercoated finish inside and out. All hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. Gear box mounted hand crank or side handwheel meets NFPA slow close requirements, and handwheel is reversible from side to side. Units shall be available with or without automatic pressure relief valve. Units shall be available with your choice of hose threaded or Storz couplings, have a serial number, and be covered by a 5-year warranty.

Ball Intake Valve RC Series - Ball Intake Valve with electric remote control for opening and closing. And have a panel-mounted electric quick connect between the valve and control box. Control box to display open, closed, and intermediate valve positions. Control box and motor shall be waterproof. Ball intake valve shall be constructed of corrosion resistant, hard coat anodized aluminum alloy, with stainless steel components and ball section. The unit shall have limited friction loss at 2000 gpm flow and be designed for both pressure and vacuum service. The valve shall have an adjustable 90-300 psi pressure relief valve, air/water drain valve, valve position indicator, chain/lanyard attachment anchor eye, maximum operating pressure shall be 250 psi, and shall meet a 900 psi hydrostatic strength test. The valve shall meet NFPA 1965. The valve shall have a silver powder coat finish inside and out. All hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. The 30° inlet elbow shall swivel 360° and have multiple positive detents to prevent hose kinking and coupling stress. Manual override handwheel meets NFPA 1901 slow-close requirements, and be reversible from side to side. Unit shall be available with a choice of hose threaded or Storz couplings, have a serial number, and be covered by a 5-year warranty.

Ball Valve Series - Valve shall be constructed of corrosion resistant, hardcoat anodized extruded aluminum alloy. Unit shall have nylon valve ball with detent flow control and high strength nylon handle. Inlet shall have 1-½" or 2-½" inlet (specify) and discharge outlet shall have 1-½" thread for coupling to a combination nozzle or smooth bore tip. Internal waterway shall be 1.375". Color-coded, injection molded nylon pistol grips, and valve handle covers shall be available. Rubber covered playpipe handles are available on 2-½" models. Nozzle shall have a full-time swivel inlet and laser engraved serial number and a 5-year warranty.

Ball Valve 75 Series - Valve body shall be constructed of corrosion resistant, hardcoat anodized extruded aluminum alloy. Valve shall have stainless steel ball shut-off and quick-change polymer valve seat. Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. Female inlet (specify rigid or swivel) and male outlet shall have 1" thread. Valve will have .75" internal waterway. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available. Nozzle shall have laser engraved serial number and a 5-year warranty.

Ball Valve 100 Series - Valve body shall be constructed of corrosion resistant, hardcoat anodized extruded aluminum alloy. Valve shall have stainless steel ball shut-off and quick-change polymer valve seat. Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. Swivel female inlet and male outlet shall have 1-½" thread (specify). Valve shall have 1" internal waterway. Color-coded, injection molded nylon pistol grips and valve covers shall be available. Nozzle shall have laser engraved serial number and a 5-year warranty.

Ball Valve 140 Series - Valve body shall be constructed of corrosion resistant, hardcoat anodized extruded aluminum alloy. Valve shall have stainless steel ball shut-off and quick-change polymer valve seat. Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. Swivel female inlet and male outlet shall have 1-½" or 2-½" thread (specify). Valve shall have 1.375" internal waterway. Color-coded, injection molded nylon pistol grips and handle covers shall be available. Nozzle shall have laser engraved serial number and a 5-year warranty.

Blind Caps - Storz® caps shall be constructed of corrosion resistant, hard coat anodized, heat treated aluminum alloy. Caps shall have lanyard, suction gasket and no locking lever per NFPA 1963. The units shall meet a 900 psi hydrostatic strength test. Caps shall meet NFPA 1965. Unit shall be covered by a 5-year warranty.

Blind Caps, Threaded Small Diameter - Threaded blind caps shall be constructed of corrosion resistant, hard coated heat treated aluminum alloy. The blind cap shall include, lanyard, gasket, reflective elements, and color coding. The units shall meet a 900 psi hydrostatic strength test. Blind caps shall meet NFPA 1965. The blind caps shall be covered by a 5 year warranty.

Blitzfire® Series - Rated to 500 gpm, the Blitzfire® is a highly maneuverable attack monitor. The unit shall have folding legs with replaceable carbide tips, a 10-50° manually operated elevation outlet angle, and will include an automatic safety flow shut-off to reduce the risk of injury. The six-detent slide valve shut-off shall slow near stroke end to reduce the effects of water hammer. A 40° side-to-side manually operated pivoting outlet shall be standard. An up/down pivot on the hose inlet shall allow the monitor to have stability on uneven surfaces. An anchor strap shall be included, the main body is hard coat anodized aluminum with a blue powder coat finish inside and out, and a 2-½" inlet and outlet is standard. An optional, field-installed oscillating package upgrade shall be available. Monitor shall have laser engraved serial number and a 5-year warranty.

Blitzfire OSC® Series - Rated to 500 gpm, the Blitzfire OSC® is a highly maneuverable self-oscillating attack monitor. The unit shall have folding legs with replaceable carbide tips, a 10-50° manually operated elevation outlet angle, and will include an automatic safety flow shut-off to reduce the risk of injury. The six-detent slide valve shut-off shall slow near stroke end to reduce the effects of water hammer. A user-adjustable 20, 30 or 40° side-to-side automatic oscillating sweep outlet with manual override shall be standard. An up/down pivot on the hose inlet shall allow the monitor to have stability on uneven surfaces. An anchor strap shall be included, the main body is hard coat anodized aluminum with a blue powder coat finish inside and out, and a 2-½" inlet and outlet is standard. Monitor shall have laser engraved serial number and a 5-year warranty.

Blitzfire® HE Series - Rated to 500 gpm, the Blitzfire® HE is a highly maneuverable attack monitor. The unit shall have folding legs with replaceable carbide tips, a 10-86° manually operated elevation outlet angle, and will include an automatic safety flow shut-off to reduce the risk of injury. The six-detent slide valve shut-off shall slow near stroke end to reduce the effects of water hammer. A 40° side-to-side manually operated pivoting outlet shall be standard. An up/down pivot on the hose inlet shall allow the monitor to have stability on uneven surfaces. An anchor strap shall be included, the main body is hard coat anodized aluminum with a blue powder coat finish inside and out, and a 2-½" inlet and outlet is standard. An optional, field-installed oscillating package upgrade shall be available. Monitor shall have laser engraved serial number and a 5-year warranty.

Blitzfire HE OSC® Series - Rated to 500 gpm, the Blitzfire HE OSC® is a highly maneuverable self-oscillating attack monitor. The unit shall have folding legs with replaceable carbide tips, a 10-86° manually operated elevation outlet angle, and will include an automatic safety flow shut-off to reduce the risk of injury. The six-detent slide valve shut-off shall slow near stroke end to reduce the effects of water hammer.

A user-adjustable 20, 30 or 40° side-to-side automatic oscillating sweep outlet with manual override shall be standard. An up/down pivot on the hose inlet shall allow the monitor to have stability on uneven surfaces. An anchor strap shall be included, the main body is hard coat anodized aluminum with a blue powder coat finish inside and out, and a 2-½" inlet and outlet is standard. Monitor shall have laser engraved serial number and a 5-year warranty.

Booster Series - The Booster is a secondary supply inlet for standpipe-mounted monitors. The Booster shall be rated up to 2500 gpm and shall allow pressure to be boosted using a pump, and/or foam to be introduced. The Booster shall allow a large diameter hose or in-line foam eductor to be connected to the secondary inlet with optional Storz or female hose threads ranging from 3.5" up to 6.0" (specify). Body shall be constructed of hard coat anodized aluminum alloy and have a red powder coat finish inside and out for maximum corrosion protection. A swing check valve within the secondary inlet shall allow connections to be made while the monitor is flowing from the main inlet (standpipe). An external automatic drain valve is standard to completely drain the monitor and Booster body following each use. The main inlet shall be available for either direct connection to a Task Force Tips Hydrant Under Monitor (HUM), or adapted to a 4" ANSI 150 flange bolt pattern (specify). Various outlets for monitor connection are available including 4" ANSI 150 flange or direct Task Force Tips monitor connection eliminating one flange (specify). The unit shall have a unique serial number and a written 5-year warranty.

Booster OSC Series - The Booster OSC is a secondary supply inlet with automatic monitor oscillation for standpipe-mounted monitors. The unit shall be rated up to 2500 gpm and shall allow pressure to be boosted using a pump, and/or foam to be introduced. The Booster shall allow a large diameter hose or in-line foam eductor to be connected to the secondary inlet with Storz or female hose threads ranging from 3.5" up to 6.0" (specify). An internal water-driven turbine shall power the oscillation without discharging water to the ground below the unit. Oscillation shall be functional from either boost or standpipe water sources. Oscillation angle shall be adjustable by hand from 0° to 120° with or without water flowing. The sweep range shall be capable of being tested without flowing by means of a wrench or low speed drill. The oscillation pattern can be centered throughout 360° travel by rotating the monitor hand wheel or tiller bar. Two field changeable gear ratio options for 4 or 8 cycles per minute (rated @2000 gpm flow) shall be included. Body shall be constructed of hardcoat anodized aluminum alloy and have a red powder coat finish inside and out for maximum corrosion protection. A swing check valve within the secondary inlet shall allow connections to be made while the monitor is flowing from the main inlet (standpipe). An external automatic drain valve shall be standard to completely drain the monitor and Booster body following each use. The main inlet shall be available for either direct connection to a Task Force Tips Hydrant Under Monitor (HUM), or Industrial Valve Under Monitor (IVUM), or adapted to a 4" ANSI 150 flange bolt pattern (specify). The Booster OSC is compatible with TFT Monsoon, Typhoon and Hurricane monitors that are specified with inlet option W) swivel base. The unit shall have a unique serial number and a written 5-year warranty.

BubbleCup® Series - Lightweight fog, straight stream, and foam aspiration nozzles with dual gallonage settings. Nozzles shall have a retractable aluminum sleeve for foam aspiration, twist shut-off, and shall be available with stainless steel ball shut-off and quick-change polymer valve seat. Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. The extruded aluminum alloy body and sleeve shall be hardcoat anodized and reflective labeling shall be standard. Color-coded, injection molded nylon pistol grips and handle covers shall be available. Nozzle shall have laser engraved serial number and a 5-year warranty.

CAFS-Force Nozzle – Nozzles shall be engineered to provide optimal foam stream performance, as well as offering low pressure nozzle operations when using water alone. Nozzles shall have a molded rubber bumper with "power fog" teeth, flush without shutting down, reflective labeling shall be standard, and meet NFPA 1964. The extruded aluminum alloy body shall be hard coat anodized and nozzle shall have an automatic dual-pressure control with a water flow capacity of 70-200 gpm that may be switched from standard low pressure (water application) to CAFS mode. Nozzle shall have laser engraved serial number and a 5-year warranty.

Crossfire® Series - Rated to 1250 gpm, the Crossfire® is a portable ground monitor and/or deck mounted monitor. The Crossfire® monitor top with hand wheel shall provide elevation control from 90° to the safety stop at 30° above horizontal, and shall be capable of lower elevation angle when truck mounted. A visually verifiable lever action rotational lock, quick release bar with locking pawls, automatic drain valve, stainless steel worm gear, integral stream straighteners, and pressure gauge shall all be standard. The SAFE-TAK® ground base shall have replaceable carbide tipped, stainless steel folding legs, and will include an automatic safety flow restriction device to reduce the risk of injury. An anchor strap attached to protective ground base outlet cap shall be included. All castings are hardcoat anodized aluminum alloy with a powder coat finish inside and out, and available with twin 2-½" clappered inlet, or single large diameter inlet. An optional pressure relief valve (single inlet models only), truck mounting bracket, apparatus mounting adapters and nozzles are available. Monitor and base shall each have laser engraved serial number and a 5-year warranty.

Dual Flow LX Foam Nozzle - The foam aspirating dual gallonage high flow nozzle has two flow settings of 800 and 1585 gpm @ 150 psi. Flow settings are changed using a locking lever handle. Unit requires no grease or other maintenance. Nozzle shall be constructed of lightweight hardcoat anodized materials. Standard inlet shall be 3-1/2" female swivel. Nozzle shall have a laser engraved serial number and a 5-year warranty.

Dual-Force® Series - Lightweight fog and straight stream nozzles with constant pressure / variable gallonage operation. Nozzles shall have a molded rubber bumper with "power fog" teeth, a stainless steel slide valve with detent flow control (except tip-only models), and inlet debris screen. The nozzle shall have a dual pressure selector that allows for 100 psi or 55 psi pressure operation or a low-pressure version that allows 75 psi or 45 psi pressure operation. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall have a full-time swivel inlet (except tip-only models), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and valve handle covers (except tip-only models) shall be available and nozzles shall accept the low and multi-expansion foam attachments. Nozzle shall have laser engraved serial number and a 5-year warranty.

Elbows - 30° elbows shall be constructed of corrosion resistant, hard coat anodized aluminum alloy, with stainless steel components. The units shall meet a 900 psi hydrostatic strength test. Elbows shall meet NFPA 1965. The elbow shall have a silver powder coat finish inside and out. All LDH hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. Unit shall have chain/lanyard attachment anchor point, and be available with a choice of hose threaded or Storz couplings (specify), have a serial number, and be covered by a 5-year warranty.

Extend-A-Gun™ Manual Series - The telescoping waterway shall be capable of being lowered to deck level (or into a monitor well) for monitor storage, and shall be capable of raising the monitor to an extended position by lifting the quick release bar and raising the unit manually. The extension shall be available in extension travel lengths of either 12" or 18" (specify) and shall lock into and be usable in fully raised or fully lowered positions. The Extend-A-Gun shall allow for full 360-degree monitor rotation operation in either the raised or lowered positions. Shall have a 3" waterway, hard coat anodized finish, and built-in sensor for connection to "monitor raised" warning light. The inlet shall be either 3" grooved Victaulic or 3" male NPT or BSP thread (specify). The outlet shall be either 3" male NPT thread or Crossfire monitor connection (specify). Unit shall have laser engraved serial number and be covered by a 5-year warranty.

Extend-A-Gun RC 3™ Series - The remote controlled telescoping waterway shall be capable of being lowered to deck level (or into a monitor well) for monitor storage, and shall be capable of raising the monitor to an extended position by electric remote control. The extension travel length shall be either 12" or 18" and shall lock and be usable in fully raised or fully lowered positions and operated by an electric motor controlled from TFT RC monitor controls or with optional remote control operator's panel. Manual override shall be included. The Extend-A-Gun RC 3 shall allow for full 360° monitor rotation operation in either the raised or lowered positions. Shall have a 3" waterway, hard coat anodized finish, and built-in sensor for connection to "monitor raised" warning light. The inlet shall be either 3" grooved Victaulic or 3" male NPT or BSP thread (specify). The outlet shall have Tornado, Hurricane, Typhoon or Monsoon manual or electric remote monitor attachment (specify). Unit shall have serial number and be covered by a 5-year warranty.

Extend-A-Gun RC 4™ Series - The remote controlled telescoping waterway shall be capable of being lowered to deck level (or into a monitor well) for monitor storage, and shall be capable of raising the monitor to an extended position by electric remote control. The extension travel length shall be 18" and shall lock and be usable in fully raised or fully lowered positions and be operated by an electric motor controlled from TFT RC monitor controls or with optional remote control operators panel. Manual override shall be included. The Extend-A-Gun RC 4 shall allow for full 360° monitor rotation operation in either the raised or lowered position. Shall have a 4" waterway, hard coat anodized finish, and built-in sensor for connection to "monitor raised" warning light. The inlet shall be either 4" grooved Victaulic or 4" male NPT or BSP thread (specify). The outlet shall have Hurricane, Typhoon or Monsoon manual or electric remote monitor attachment (specify). Unit shall have serial number and be covered by a 5-year warranty.

Extend-A-Gun Pipe - Easily add 18" to your Crossfire Deck gun outlet connection using the Extend-A-Gun Pipe. Simply remove the Crossfire monitor from the truck mount adapter, add the Extend-A-Gun Pipe and connect the Crossfire. Visually verifiable rotation lock and locking mechanism. Extend-A-Gun Pipe is made from hardcoat anodized aluminum alloy for light weight and corrosion resistance. Not for use on Extend-A-Gun telescoping waterway. Not for use on portable ground base.

Flip Tip 2 Series - Nozzle shall have a spring-loaded locking ring with large grips for releasing the lock on the swivel joint to quickly and securely switch between two nozzles during use. Unit shall be constructed of corrosion resistant hardcoat anodized aluminum alloy. Unit shall have either two sizes of smooth bore, or a smooth bore in the base section and a combination fog/straight stream nozzle (specify). Combination nozzle shall be available in either single or dual pressure automatic constant pressure

variable flow, or fixed gallonage (specify). Unit shall have a serial number, Scotchlite reflective labeling, 2-1/2" threads, and be covered by a 5-year warranty.

Foam Eductor 125 Series - Portable in-line foam eductor shall be constructed of corrosion resistant, hard coat anodized aluminum alloy, with stainless steel components. Eductor shall have 1-½" or 2-½" inlet (specify) and 1-½" outlet, and shall be available in 60, 95 or 125 gpm flow rating (specify) and shall accurately proportion at 0.25%, 0.5%, 1%, 3%, and 6% user adjustable settings with detents. The pickup head shall include a quick connector and push-button back-flush function. Concentrate pick-up tube shall be constructed of 1" ID industrial grade, transparent reinforced tubing and stainless steel components. The units shall meet a 900 psi hydrostatic strength test. Eductors shall meet NFPA 1965. Units shall have a laser engraved serial number and be covered by a 5-year warranty.

Foam Eductor 350 Series - Portable in-line foam eductor shall be constructed of corrosion resistant, hard coat anodized aluminum alloy, with stainless steel components. Eductor shall have 2-½" inlet and outlet, and shall be available in 250 or 350 gpm flow rating at either 150 or 200 psi inlet pressure (specify). It shall accurately proportion at 0.5%, 1%, 3%, and 6% user adjustable settings with detents. The pickup head shall include a quick connector and push-button back-flush function. Concentrate pick-up tube shall be constructed of 1.25" ID industrial grade, UV resistant tubing and stainless steel components. The units shall meet a 900 psi hydrostatic strength test. Eductors shall meet NFPA 1965). Units shall have a laser engraved serial number and be covered by a 5-year warranty.

Forestry Gated Wye Series - A 1" or 1-½" female inlet (specify) by two 1" or 1-½" male threaded outlets (specify) shall be standard. Wye construction shall be of corrosion resistant hard coat anodized, aluminum alloy, and stainless steel components. Valve shall include high strength nylon handles with built-in stops, and easily changed valve seats. Valve shall have engraved serial number and a 5-year warranty.

Forestry In-line Valve - A 1" or 1-½" female inlet (specify) by 1" or 1-½" male threaded outlet (specify) shall be standard. Valve construction shall be of corrosion resistant hard coat anodized, aluminum alloy, and stainless steel components. Valve shall include high strength nylon handle with built-in stops, and easily changed valve seats. Valve shall have engraved serial number and a 5-year warranty.

Forestry In-line Tee - A 1-½" female inlet and 1-½" male threaded outlet shall be standard. Branch outlet shall be 1" NH or NPSH male thread (specify). Valve shall include high strength nylon handle. Valve shall have engraved serial number and a 5-year warranty.

Gated Wye 2 ½" - shall have a full 2-½" waterway, field replaceable valve seats, and a quarter-turn valve handle or slow close knob (specify) requiring low force to move valve with up to 250 psi (17 bar) maximum operating pressure from either side of valve. Automatic valve lock to maintain valve position while flowing at partial openings shall be standard. Quarter turn color coded folding valve handles for compactness, or large knob with valve postion indictor (specify) and cast in carrying handle shall be standard. Pipe threaded ports for pressure gauge or bleed valve and hole for cap tether attachment shall be included. Aluminum casting shall be hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Available with many combinations of inlet and outlet connections. Valve shall have serial number and a 5-year warranty.

Gated Siamese 2 ½" - shall have a full 2-½" waterway, field replaceable valve seats, and a quarter-turn valve handle or slow close knob (specify) requiring low force to move valve with up to 250 psi (17 bar) maximum operating pressure from either side of valve. Automatic valve lock to maintain valve position while flowing at partial openings shall be standard. Quarter turn color coded folding valve handles for compactness, or large knob with valve postion indictor (specify) and cast in carrying handle shall be standard. Pipe threaded ports for pressure gauge or bleed valve and hole for cap tether attachment shall be included. Aluminum casting shall be hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection Available with many combinations of inlet and outlet connections. Valve shall have serial number and a 5-year warranty.

Handline Series - Lightweight fog and straight stream nozzles with constant pressure / variable gallonage operation. Nozzles shall have a molded rubber bumper with "power fog" teeth, a stainless steel slide valve with detent flow control, (except tip-only models) and inlet debris screen. The extruded aluminum alloy body shall be hardcoat anodized, and reflective labeling shall be standard. The nozzle shall have a full-time swivel inlet (except tip-only models), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and color-coded valve handle covers shall be available (except tip-only models). Nozzles shall accept the low and multi-expansion foam attachments. Nozzle shall have laser engraved serial number and a 5-year warranty.

Hemisphere Series - The portable monitor shall be capable of flows up to 500 gpm while attached securely to adequate supporting structures using one of the attachment mounts. The unit shall be constructed of corrosion resistant hardcoat anodized aluminum alloy and stainless steel components. The 90° ball valve inlet shall rotate 360° and shall have a valve handle with locking off position. The nozzle outlet connection shall rotate 360° using a hand crank, and have adjustable double ball swivel to allow water or foam discharge anywhere in a hemispherical range. Various mounts including an I-beam clamp and 2" hitch receiver mount, dedicated 2" hitch mount, fixed mount, and cross-pin mount shall be available (specify). The monitor and valve body shall have blue powdercoated finish inside and out. The unit shall have a serial number and be covered by a 5-year warranty.

Hose Roller - Hose roller components shall be made from aluminum alloy with stainless steel hardware and polymer rollers. Unit shall have three hand grips and be hinged at one end. Unit shall be covered by a 5-year warranty.

HUM - Hydrant Under Monitor Series – The valve with two large diameter hose ports shall be designed for use under monitors and have low friction loss through its large, unobstructed waterway. Rated up to 300 psi (21 bar) and supporting monitors up to 2500 gpm. Valve body shall be constructed of hard coat anodized aluminum alloy and have a red powder coat finish inside and out for maximum corrosion protection. All other structural components shall be constructed of hard coat anodized aluminum alloy. Two concentric slow-close half ball valves shall allow the monitor to be operated either independently or simultaneously with the hose ports. Each half ball shall be controlled by a hand crank through a sealed gear box with color-coded retro-reflective valve position indicator for visibility in most light conditions. Valve inlet base shall be a 6" ANSI 150 flange. An external automatic drain valve is standard, as well as a second internal drain valve located within the monitor valve half ball to completely drain the monitor and valve body following each use. An optional third internal automatic drain valve within the main shutoff half ball (specify) shall be available to assist in draining water when the valve is closed, after the incoming water pressure is shut off. Various outlets for monitor connection are available including 4" ANSI 150 flange, direct Task Force Tips monitor connection eliminating one flange, or Task Force Tips Booster unit (specify). Various outlets for hose port connection are available including Storz couplings, male threaded spouts or gated wye, with sizes ranging from 1.5" up to 6.0" (specify). All hose connections are supplied with a pressure cap with lanyard. A blind plug shall be installed in the smaller of the two hose ports when no connection is specified. The unit shall have a unique serial number and have a written 5-year warranty.

Hurricane Monitor Series - Rated up to 1250 gpm, the Hurricane is a fixed station or truck mounted monitor. The hand wheel shall provide elevation control from 90° above to 90° below horizontal. The unit shall have a full 360° rotational travel, visually verifiable lever action rotational locking mechanism, automatic drain valve, stainless steel worm gear, and shall have grease zerk fittings for easy service and lubrication. The discharge elbow shall include an integral stream straightener. The monitor shall be hard coat anodized aluminum alloy, and shall have a red powder coat finish inside and out. Various flange and threaded inlets including locking quick connect shall be available (specify). Unit shall have laser engraved serial number and be covered by a 5-year warranty.

Hurricane RC Monitor Series - Rated up to 1250 gpm, the Hurricane RC is a remotely controlled fixed station or truck mounted monitor with electric remote control of rotation and elevation angle. The electric motor shall provide elevation control from 90° above and 45° below horizontal. The unit shall have an electrically operated 450° horizontal rotational travel, user installed travel limit stops, automatic drain valve, stainless steel worm gear drive, and shall have grease zerk fittings for easy service and lubrication. User operation controls shall be mounted on the monitor, and shall include rotation, elevation and nozzle stream pattern control programmable park and oscillate and two auxiliary controls. Optional remote wired, tethered and wireless remote controls shall be available. The discharge elbow shall include an integral stream straightener. The monitor shall be constructed of hard coat anodized aluminum alloy and shall have a silver powder coat finish inside and out. Various flange and threaded inlets including locking quick connect shall be available (specify). Unit shall have serial number and be covered by a 5-year warranty.

Hydrant Adapter - The adapter shall allow for permanent attachment to hydrant discharge. The adapter shall include a set screw for tamper-proof installation and a permanently secured Storz cap with lock. The unit shall include Scotchlite reflective labels to identify flow per NFPA. Adapter and cap shall be constructed of corrosion resistant hardcoat anodized aluminum alloy, with stainless steel components. The units shall meet NFPA 1963 and 1965 900 psi hydrostatic design strength test and be covered by a 5-year warranty.

Hydrant Assist Valves - Hydrant assist valve shall have stainless steel valve ball section, gear box mounted hand crank with valve position indicator, low friction loss, maximum operating of 250 psi, and shall meet a 900 psi hydrostatic strength test. An automatic clapper valve with position indicator shall be standard to allow water flow in the event of booster pump failure for uninterrupted water flow. Large diameter inlets and outlets shall have corrosion resistant polymer bearing strip, and be available in threaded or Storz connections (specify), and shall have a carrying strap. Aluminum casting shall be hardcoat anodized and silver TFT-powdercoat finished for maximum corrosion protection. The unit shall have a serial number and a 5-year warranty..

Hydrant Master - Electric remote controlled low friction loss hydrant valve shall meet slow operating requirements of NFPA 1965 utilizing a sliding plug. Unit shall be capable of being operated manually with control on the valve, electrically from push buttons on the valve and the wireless handheld controller. The handheld controller and valve both include a pressure display and valve position feedback, and controls the valve up to 1200 feet away. Valve and controller are backlit for low-light conditions, operate using (4) AA batteries, valve is pressure activated, and both are equipped with power-save mode. Aluminum casting is hardcoat anodized and powder coated silver inside and out. The valve shall have an automatic drain to drain valve body once water pressure is removed. Electronics on valve and controller are waterproof. Mounting bracket for wireless controller is included. Various inlet and outlet couplings are available (specify). The units shall have serial numbers and be covered by a 5-year warranty.

Hydrant/Spanner Dual End Wrench (A3800) - Wrench shall be made from aluminum alloy and shall have knurled grip. Wrench shall be for use on square or pentagon hydrant nuts using either the adjustable square or pentagon shapes provided on opposite ends of the wrench. Large hook type spanner shall fit 4", 5" and 6" Storz couplings. Wrench shall have smaller spanner for 2-1/2" couplings. Unit shall be covered by a 5-year warranty.

Hydrant/Spanner Single End Wrench (A3835) - Wrench shall have a manganese bronze head, plated steel handle, and have a high visibility grip. Wrench shall be for use on square or pentagon hydrant nuts. Compact spanner claw shall fit pin and rocker lug couplings. Unit shall be covered by a 5-year warranty.

In-line Pressure Gauge - Gauge waterway body shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Units shall be available in 2-½" female swivel inlet and male outlet or 1-½" female swivel inlet and male outlet (specify). Pressure gauge shall be liquid-filled, with pitot-type probe into the waterway. Gauge shall have protective rubber bumper and be available in 0-200 psi or 0-300 psi (specify). Unit shall be covered by a 5-year warranty.

In-line Pressure Gauge - Gauge waterway body shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Units shall be available in 2-½" female swivel inlet and rigid male outlet or pivoting male outlet (specify). Pressure gauge shall be liquid-filled, with pitot-type probe into the waterway. Gauge shall have protective ring and lens cover and be available in 0-200 psi or 0-300 psi (specify). Unit shall be covered by a 5-year warranty.

In-line Valve Ground / Loose - LDH in-line valve shall be constructed of hardcoat anodized aluminum alloy with silver powder coat finish inside and out for maximum corrosion protection, and shall include a carrying handle. Valve shall have stainless steel valve ball section, maximum operating pressure of 250 psi, and shall meet a 900 psi hydrostatic design strength test. Gear box mounted hand crank or side handwheel (specify) meets NFPA 1901 slow-close requirements, and handwheel shall be reversible from side to side. A ¾" pipe threaded port for optional air bleeder/drain valve shall be provided. Large diameter inlet and outlet shall have corrosion resistant polymer bearing strip, and be available with threaded or Storz connections with full time swiveling couplings that will swivel when connection is tightened (except male threaded, which shall be rigid) (specify). An optional pressure relief valve shall be available. Unit shall have a unique serial number and be covered by a 5-year warranty.

In-line Valve Truck / Fixed - LDH in-line valve shall be constructed of hardcoat anodized aluminum alloy with silver powder coat finish inside and out for maximum corrosion protection, and shall include a carrying handle. Valve shall have stainless steel valve ball section, maximum operating pressure of 250 psi, and shall meet a 900 psi hydrostatic design strength test. Gear box mounted hand crank or side handwheel (specify) meets NFPA 1901 slow-close requirements, and handwheel shall be reversible from side to side. A ¾" pipe threaded port for optional air bleeder/drain valve shall be provided. Large diameter inlet and outlet shall have corrosion resistant polymer bearing strip, and be available with threaded connections with swiveling couplings that will not allow swiveling of the valve when connection is tightened (except male threaded, which shall be rigid) (specify). An optional pressure relief valve shall be available. Unit shall have a unique serial number and be covered by a 5-year warranty.

IVUM 4" Industrial Valve Under Monitor Series – Valve shall be designed for use under monitors and have low friction loss through its large, unobstructed waterway. Rated up to 300 psi (21 bar) and supporting monitors up to 2500 gpm. Valve body shall be constructed of hard coat anodized aluminum alloy and have a red powder coat finish inside and out for maximum corrosion protection. Inlet flange, half ball and associated hardware shall be available as a collective option of either stainless steel or hard coat anodized aluminum alloy (specify). Valve shall control water flow adjacent to the 4" ANSI 150 inlet flange. An external automatic drain valve is standard to completely drain the monitor and valve body following each use. An optional internal automatic drain valve within the half ball (specify) shall be available to assist in draining water when the valve is closed, after the incoming water pressure is shut off. Various outlets for monitor connection are available including 4" ANSI 150 flange or direct TFT monitor connection eliminating one flange (specify). Monitor valve control shall be controlled by a hand crank through a sealed gear box with two retro-reflective valve position indicators for visibility around a 360° perimeter in most light conditions. Valve seats shall be field replaceable using a tool available from Task Force Tips. The unit shall have a serial number and a written 5-year warranty.

Jumbo Ball Intake Valve Series - Ball Intake Valve shall have a 5-¼" diameter waterway. The unit shall be constructed of corrosion resistant, hardcoat anodized aluminum alloy, with stainless steel components and ball section. The unit shall have limited friction loss at 3000 gpm flow and be designed for both pressure and vacuum service. The valve shall have an adjustable 90-300 psi pressure relief valve, air/water drain valve, valve position indicator, chain/lanyard attachment anchor eye, maximum operating pressure shall be 250 psi, and shall meet a 900 psi hydrostatic strength test. The valve shall meet NFPA 1965. The valve shall have a silver powder coat finish inside and out. All hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. The 30° inlet elbow shall swivel 360° and have multiple positive detents to prevent hose kinking and coupling stress. Models without inlet elbow shall be available. Gear box mounted hand crank or handwheel (specify) shall meet NFPA 1901 slow-close requirements, and handwheel shall be reversible from side to side. Unit shall be available with a choice of hose threaded or Storz couplings, have a serial number and be covered by a 5-year warranty.

Jumbo Ball Intake Valve RC Series - Ball Intake Valve with electric remote control for opening and closing and have a panel mounted electric quick connect between the valve and control box. Control box to display open, closed, and intermediate valve positions. Control box and motor shall be waterproof. Ball Intake Valve shall have a 5-¼" diameter waterway. Ball intake valve shall be constructed of corrosion resistant, hard coat anodized aluminum alloy, with stainless steel components and ball section. The unit shall have limited friction loss at 3000 gpm flow and be designed for both pressure and vacuum service. The valve shall have an adjustable 90-300 psi pressure relief valve, air/water drain valve, valve position indicator, chain/lanyard attachment anchor eye, maximum operating pressure shall be 250 psi, and shall meet a 900 psi hydrostatic strength test. The valve shall meet NFPA 1965. The valve shall have a silver powder coat finish inside and out. All hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. The 30° inlet elbow shall swivel 360° and have multiple positive detents to prevent hose kinking and coupling stress. Models without inlet elbow shall be available. Manual override hand wheel shall meet NFPA 1901 slow-close requirements, and be reversible from side to side. Unit shall be available with a choice of hose threaded or Storz couplings, have a serial number, and be covered by a 5-year warranty.

Jumbo Ball Intake Valve Low Profile Series - Ball intake valve shall be constructed of corrosion resistant, hardcoat anodized aluminum alloy, with special coating on wetted components. The unit shall have limited friction loss at 2000 gpm flow and be designed for both pressure and vacuum service. The valve shall have an air/bleeder valve, valve position indicator, chain/lanyard attachment anchor eye. Maximum operating pressure shall be 250 psi, and meet a 900 psi hydrostatic design strength test. The valve shall meet NFPA 1965. The valve shall have a silver powder-coated finish inside and out. All hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. The 30° inlet elbow at the bottom of the valve shall swivel to a below the valve for storage and swivel out to reduce hose kinking and coupling stress. Gear box mounted with top or front facing operating crank handle meets NFPA slow close requirements and shall have position indicator. Units shall be available with an automatic pressure relief valve. Units shall be available with your choice of hose threaded or Storz connections (specify), have a serial number, and be covered by a 10-year warranty.

Jumbo Ball Intake Valve Low Profile RC Series - Ball intake valve shall be constructed of corrosion resistant, hardcoat anodized aluminum alloy, with special coating on wetted components. The unit shall have limited friction loss at 2000 gpm flow and be designed for both pressure and vacuum service. The valve shall have an air/bleeder valve, valve position indicator, and chain/lanyard attachment anchor eye. Maximum operating pressure shall be 250 psi, and meet a 900 psi hydrostatic design strength test. The valve shall meet NFPA 1965. The valve shall have silver powdercoated finish inside and out. All hose couplings shall use a polymer bearing ring for preventions of galvanic corrosion. The 30° inlet elbow at the bottom of the valve shall swivel to below the valve for storage and swivel out to reduce hose kinking and coupling stress. Valve shall have electric remote control for valve operation. The control box shall display open, closed, and intermediate valve positions using LEDs. The valve shall include a waterproof quick connect electrical plug and receptacle for panel mounting near the valve location. Control box and motor shall be waterproof. Manual override knob shall meet NFPA 1901 slow close requirements. Units shall have an automatic pressure relief valve with visible pressure setting indication. Units shall be available with threaded or Storz connections (specify), have a serial number, and be covered by a 10 year warranty.

Jumbo Siamese and Wye Series - Wye and Siamese shall be constructed of corrosion resistant, hard coat anodized aluminum alloy, with stainless steel components. The units shall have chain/lanyard attachment anchor eye, rugged carrying handle (except 2-½" models), and shall meet a 900 psi hydrostatic strength test. Units shall meet NFPA 1965. The unit shall have a silver powder coat finish inside and out. All LDH hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. Siamese unit shall include dual clapper valves (except 2-½" models, which shall

include a single clapper valve). Unit shall be available with a choice of hose threaded or Storz couplings, have a serial number, and be covered by a 5-year warranty.

LDH Gated Water Thief - LDH Water Thief shall have two (2) full 2-½" waterway valved ports with field replaceable valve seats, and multi-turn, slow close knob with valve position indicator. 2-1/2" ports shall be available with male thread or female swivel threaded connections (specify). Large diameter valve shall have a stainless valve ball section with gear box mounted hand crank that meets NFPA 1901 slow-close requirements. Large diameter ports shall have corrosion resistant polymer bearing strips and shall be available in threaded or Storz connections (specify). Aluminum casting shall be hardcoat anodized, and silver TFT powdercoat finisheded inside and out for maximum corrosion protection. Units shall include ¾" pipe threaded port for optional air bleeder/drain valve. An optional, adjustable, automatic pressure relief valve shall be available. The unit shall have a maximum operating pressure of 300 psi, and shall meet a 900 psi hydrostatic design strength test. Unit shall have a serial number and a 5-year warranty.

LDH In-Line Valves - LDH in-line valve shall have stainless steel valve ball section, valve position indicator, maximum operating of 250 psi, and shall meet a 900 psi hydrostatic strength test. Gear box mounted hand crank or side handwheel (specify) meets NFPA 1901 slow-close requirements, and handwheel shall be reversible from side to side. ¾" pipe threaded port for optional air bleeder/drain valve shall be included. Large diameter inlet and outlet shall have corrosion resistant polymer bearing strip, and be available in threaded or Storz connections (specify), and shall have a carrying handle. Aluminum casting shall be hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. An optional, adjustable pressure relief valve shall be available. The unit shall have a serial number and a 5-year warranty.

LDH Manifold and Siamese, 3-Way - LDH by 2-½" LDH 3-way manifold and Siamese shall have three (3) full 2-½" waterway valved ports with field replaceable valve seats, quarter turn valve handles with low force to move even under pressure with up to 250 psi (17 bar) maximum operating pressure from either side of the valves. Automatic valve lock on 2-½" inch valves keep their position while flowing at partial openings and shall be standard. Units shall include three folding color coded valve handles to minimize storage space. ¾" pipe threaded port for optional air bleeder/drain valve shall be included. Large diameter port shall have corrosion resistant polymer bearing strip, and be available in threaded or Storz connections (specify). Unit shall have a strap for carrying and dragging hose. Aluminum casting shall be hardcoat anodized and silver TFT-powdercoat finish inside and out for maximum corrosion protection. 3-Way Manifold shall have male thread on 2-½" valved ports and Siamese shall have female swivel threaded connections on 2-½" valved ports. Maximum operating pressure of the unit shall be 250 psi. An optional, adjustable pressure relief valve shall be available. The unit shall have a serial number and a 5-year warranty.

LDH Manifold and Siamese, 4-Way - LDH by 2-½" LDH 4-way manifold and Siamese shall have four (4) full 2-½" waterway valved ports with field replaceable valve seats, quarter turn valve handles with low force to move even under pressure with up to 250 psi (17 bar) maximum operating pressure from either side of the valves. Automatic valve lock on 2-½" inch valves keep their position while flowing at partial openings and shall be standard. Units shall include four folding color coded valve handles to minimize storage space. ¾" pipe threaded port for optional air bleeder/drain valve shall be included. Large diameter port shall have corrosion resistant polymer bearing strip, and be available in threaded or Storz connections (specify). Unit shall have a strap for carrying and dragging hose. Aluminum casting shall be hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. 4-way manifold shall have male thread on 2-½" valved ports and Siamese shall have female swivel threaded connections on 2-½" valved ports. Maximum operating pressure of the unit shall be 250 psi. An optional, adjustable pressure relief valve shall be available. The unit shall have a serial number and a 5-year warranty.

LDH Manifold, 5-Way – LDH by 2-½" - LDH 5-way manifold shall have stainless steel slow close, slow open slide valve on LDH waterway. Manifold shall have four (4) full 2-½" waterway valved ports with field replaceable valve seats, quarter turn color-coded valve handles with low force to move even under pressure up to 250 psi (17 bar) maximum operating pressure. Automatic valve lock on 2-½" valves keep their position while flowing at partial openings and shall be standard. Unit shall have four folding color coded valve handles to minimize storage space. Large diameter ports shall have corrosion resistant polymer bearing strip, and be available in Storz connections (specify). Unit shall have a carrying handle. Aluminum casting shall be hardcoat anodized and silver TFT powder coat finish inside and out for maximum corrosion protections. Maximum operating pressure shall be 250 psi. Unit shall have pressure relief valve and protected pressure gauge. The unit shall have a serial number and a 5-year warranty.

Low Expansion Foam Attachment - Air aspirating nozzle foam attachment shall be constructed of corrosion resistant, high strength materials with stainless steel screen (except FJ-LX-M model) and components. Attachment shall attach to appropriate nozzle bumper with a locking mechanism. Unit shall have reflective labeling, engraved serial number, and be covered by a 5-year warranty.

Master Foam Series 250, 350, 500, and 750 gpm - Fixed gallonage combination fog, straight stream, self-educting, constant gallonage foam nozzle shall be available with a flow of 750, 500, 350, or 250 gpm@ 100 psi (specify) and user selectable foam proportioning ratios of 0.5%, 1%, 3%, or 6% utilizing included orifice disks. Nozzle shall be hardcoat anodized aluminum alloy. Nozzle shall include an industrial grade UV resistant 1-1/2" concentrate pickup hose with cam lock connection to nozzle foam inlet. A UV resistant rubber bumper and halo ring for fog pattern adjustment shall be provided. 2.5" female inlet is standard and the nozzle shall accept the FJ-LX-M low expansion foam attachment. Nozzle shall have reflective labeling, laser engraved serial number and be covered by a 5 year warranty.

Master Foam 1000, 1250 GPM Series - Fixed gallonage combination fog, straight stream, self-educting, constant gallonage foam nozzle shall be available with a flow of 1250 or 1000 gpm@ 100 psi (specify) and user selectable foam proportioning ratios of 0.5%, 1%, or 3% utilizing included orifice disks. Nozzle shall be hardcoat anodized aluminum alloy. Nozzle shall include an industrial grade UV resistant concentrate pickup hose with cam lock connection to nozzle foam inlet. Metal fog teeth and handles for fog pattern adjustment shall be provided. 2.5" female inlet shall be provided. Nozzle shall have reflective labeling, laser engraved serial number and be covered by a 5 year warranty.

Master Stream 1000 Fixed Series - Fixed Gallonage combination fog and straight stream Master Stream nozzle with a fixed gallonage setting shall be provided. The nozzle shall be pre-set and laser marked at the factory to meet the customer's specified flow (up to 1000 gpm @ 100 psi). The extruded aluminum alloy body shall be hardcoat anodized. Reflective labeling and a UV resistant front rubber bumper with molded fog teeth shall be standard. Operational halo ring shall be available. Nozzle shall provide variable pattern selection from straight stream to wide protective fog. Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1000 Selectable Series - Selectable Gallonage combination fog and straight stream Master Stream nozzle with multiple constant gallonage settings of 250, 350, 500, 750, 1000 gpm @ 100 psi shall be provided. The extruded aluminum alloy body shall be hardcoat anodized. Reflective labeling, and a UV resistant front rubber bumper with molded fog teeth shall be standard. Nozzle shall allow easy field flushing without tools and provide variable pattern selection from straight stream to wide protective fog. Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1000 Automatic Series - Constant pressure/variable gallonage automatic combination fog and straight stream Master Stream nozzle with an automatic pressure mechanism that maintains a constant pressure throughout the nozzle's flow range (150-1000 gpm) @ 100 psi shall be provided. The extruded aluminum alloy body shall be hardcoat anodized. Reflective labeling and a UV resistant front rubber bumper with molded fog teeth shall be standard. Nozzle shall allow easy field flushing without tools and provide variable pattern selection from straight stream to wide protective fog. Electrically operated models shall be available (specify). Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1250 Small Body Automatic Series - Constant pressure/variable gallonage automatic combination fog and straight stream Master Stream nozzle with an automatic pressure mechanism that maintains a constant pressure throughout the nozzle's flow range (150-1250 gpm) @ 100 psi shall be provided. The extruded aluminum alloy body shall be hardcoat anodized. Reflective labeling and a UV resistant front rubber bumper with molded fog teeth shall be standard. Nozzle shall allow easy field flushing without tools and provide variable pattern selection from straight stream to wide protective fog. Electrically operated models shall be available (specify). Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1250 Automatic Series - Constant pressure/variable gallonage automatic combination fog and straight stream Master Stream nozzle with an automatic pressure mechanism that maintains a constant pressure throughout the nozzle's flow range (150-1250 gpm) shall be provided. User adjustable pressure control shall allow nozzle pressure adjustment of 70-120 psi. The extruded aluminum alloy body shall be hardcoat anodized. Reflective labeling and a UV resistant front rubber bumper with molded fog teeth shall be standard. Nozzle shall allow easy field flushing without tools and provide variable pattern selection from straight stream to wide protective fog. Electrically operated models shall be available (specify). Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1250 Automatic with Flush Series - Constant pressure/variable gallonage automatic combination fog and straight stream Master Stream nozzle with an automatic pressure mechanism that maintains a constant pressure throughout the nozzle's flow range (300-1250 gpm) shall be provided. Large user adjustable pressure control knob shall allow nozzle pressure adjustment with tactile detent settings between 70-120 psi. At pressures other than 100 psi, maximum flow is determined by K-factor of 125. The extruded aluminum alloy body and bumper shall be hardcoat anodized for corrosion resistance. Reflective labeling and aluminum bumper with fixed fog teeth to provide variable pattern selection from straight stream to wide dense fog pattern shall be standard. Nozzle shall allow easy field flushing by twisting the selector ring without shutting off the flow. Electrically operated models shall be available (specify). Nozzle

shall have laser engraved serial number and a 5-year warranty.

Master Stream 1000 Automatic with Flush Series - Constant pressure/variable gallonage automatic combination fog and straight stream Master Stream nozzle with an automatic pressure mechanism that maintains a constant pressure throughout the nozzle's flow range (300-1000 gpm) shall be provided. Large user adjustable pressure control knob shall allow nozzle pressure adjustment with tactile detent settings between 70-120 psi. At pressures other than 100 psi, maximum flow is determined by K-factor of 125. The extruded aluminum alloy body and bumper shall be hardcoat anodized for corrosion resistance. Reflective labeling and aluminum bumper with fixed fog teeth to provide variable pattern selection from straight stream to wide dense fog pattern shall be standard. Nozzle shall allow easy field flushing by twisting the selector ring without shutting off the flow. Electrically operated models shall be available (specify). Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1000 Selectable Flow with Flush Series - Selectable gallonage combination fog and straight stream Master Stream nozzle with selectable flow settings of 350, 500, 750, and 1000 at 100 psi shall be provided. A unique flow limiting function shall assure maximum stream performance at each gallonage selection setting. The extruded aluminum alloy body and bumper shall be hardcoat anodized for corrosion resistance. Reflective labeling and aluminum bumper with fixed fog teeth to provide variable pattern selection from straight stream to wide dense fog pattern shall be standard. Nozzle shall allow easy field flushing by twisting the selector ring without shutting off the flow. Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1250 Selectable Flow with Flush Series - Selectable gallonage combination fog and straight stream Master Stream nozzle with selectable flow settings of 500, 750, 1000, and 1250 gpm at 100 psi shall be provided. A unique flow limiting function shall assure maximum stream performance at each gallonage selection setting. The extruded aluminum alloy body and bumper shall be hardcoat anodized for corrosion resistance. Reflective labeling and aluminum bumper with fixed fog teeth to provide variable pattern selection from straight stream to wide dense fog pattern shall be standard. Nozzle shall allow easy field flushing by twisting the selector ring without shutting off the flow. Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1250 Fixed Flow with Flush Series - Fixed Gallonage combination fog and straight stream Master Stream nozzle with a fixed gallonage setting shall be provided. The nozzle shall be pre-set and laser marked at the factory to meet the customer's specified K-factor of 50-130. The extruded aluminum alloy body and bumper shall be hardcoat anodized for corrosion resistance. Reflective labeling and aluminum bumper with fixed fog teeth to provide variable pattern selection from straight stream to wide dense fog pattern shall be standard. Nozzle shall allow easy field flushing by twisting the selector ring without shutting off the flow. Electrically operated models shall be available (specify). Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 1500 Automatic Series - Constant pressure/variable gallonage automatic combination fog and straight stream Master Stream nozzle with an automatic pressure mechanism that maintains a constant pressure throughout the nozzle's flow range (300-1500 gpm) shall be provided. User adjustable pressure control shall allow nozzle pressure adjustment of 70-120 psi. The extruded aluminum alloy body shall be hardcoat anodized. Reflective labeling and a UV resistant front rubber bumper with molded fog teeth shall be standard. Nozzle shall allow easy field flushing without tools and provide variable pattern selection from straight stream to wide protective fog. Electrically operated models shall be available (specify). Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 2000 Automatic Series - Constant pressure/variable gallonage automatic combination fog and straight stream Master Stream nozzle with an automatic pressure mechanism that maintains a constant pressure throughout the nozzle's flow range (300-2000 gpm) shall be provided. User adjustable pressure control shall allow nozzle pressure adjustment of 80-120 psi. The extruded aluminum alloy body shall be hardcoat anodized. Reflective labeling and a UV resistant front rubber bumper with molded fog teeth shall be standard. Nozzle shall allow easy field flushing without tools and provide variable pattern selection from straight stream to wide protective fog. Electrically operated models shall be available (specify). Nozzle shall have laser engraved serial number and a 5-year warranty.

Master Stream 4000 Automatic Series - Constant pressure/variable gallonage automatic combination fog and straight stream Master Stream nozzle with an automatic pressure mechanism that maintains a constant pressure throughout the nozzle's flow range (600-4000 gpm) shall be provided. User adjustable pressure control shall allow nozzle pressure adjustment of 80-120 psi. The extruded aluminum body shall be hardcoat anodized. Reflective labeling and a large cast aluminum hardcoat anodized bumper with fog teeth and folding handles shall be standard. Nozzle shall allow field flushing without tools and a variable pattern selection from straight stream to wide protective fog. Hydraulically operated pattern adjustment nozzles without folding handles shall be available. Nozzle shall have a laser engraved serial number and a 5-year warranty.

Master Stream 2500 & 5000 GPM Selectable Series - Selectable gallonage combination fog and straight stream Master Stream nozzle shall allow two user adjustable flow settings of 2500 gpm and 5000 gpm shall be provided. The extruded aluminum body shall be hardcoat anodized. Reflective labeling and a large cast aluminum hardcoat anodized bumper with fog teeth and folding handles shall be standard. Nozzle shall allow field flushing without tools and a variable pattern selection from straight stream to wide protective fog. Nozzle shall have a laser engraved serial number and a 5-year warranty.

Max-Force Automatic Series - Lightweight fog and straight stream nozzles with constant pressure/variable gallonage operation shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth, detent flow control (hand-held models only). The nozzle shall have a dual pressure selector that allows for 100 psi or 55 psi pressure operation. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall have a full-time swivel inlet (hand-held models only), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available (hand-held models only). Nozzle shall have laser engraved serial number and a 5-year warranty.

Max-Flow Fixed Gallonage Series - Lightweight fog and straight stream nozzles with fixed gallonage operation of 500 gpm @ 100 psi shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth, detent flow control (hand-held models only). The extruded aluminum alloy body shall be hardcoat anodized, and reflective labeling shall be standard. The nozzle shall have a full-time swivel inlet (hand-held models only), flush without shutting down and meet NFPA 1964. Color-coded injection molded nylon pistol grips and valve handle covers shall be available (hand-held models only). Nozzle shall have laser engraved serial number and a 5-year warranty.

Max-Matic Automatic Series - Lightweight fog and straight stream nozzles with constant pressure/variable gallonage operation of 100-500 gpm @ 100 psi or 100-500 gpm @ 80 psi (specify) shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth, detent flow control (hand-held models only). The extruded aluminum alloy body shall be hardcoat anodized, and reflective labeling shall be standard. The nozzle shall have a full-time swivel inlet (hand-held models only), flush without shutting down and meet NFPA 1964. Color-coded injection molded nylon pistol grips and valve handle covers shall be available (hand-held models only). Nozzle shall have laser engraved serial number and a 5-year warranty.

METRO 0 Series - Lightweight fog and straight stream nozzles with fixed gallonage setting and 4 user selected calibrated flow and pressure baffles allowing for 7 different flow and pressure combinations shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth, a stainless steel slide valve with detent flow control, (except tip-only models) and inlet debris screen. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down. Color-coded, injection molded nylon pistol grip and valve handle covers shall be available (except tip-only models). Nozzle shall accept the FJ-U low expansion and FJ-UMX multi-expansion foam attachments. Nozzles shall have laser engraved serial number and a 5-year warranty.

METRO 0 Impulse With Trigger Valve System - Lightweight fog and straight stream nozzles with fixed gallonage setting and 7 user selected calibrated flow and pressure baffles allowing for 4 different flow and pressure combinations shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth, a stainless steel slide valve with trigger flow control with locking feature, and inlet debris screen. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down. Nylon pistol grip with ribbed surface shall be standard. Nozzle shall accept the FJ-U low expansion and FJ-UMX multi-expansion foam attachments. Nozzles shall have laser engraved serial number and a 5-year warranty.

METRO 1 Series - Lightweight fog and straight stream nozzles with fixed gallonage setting and 7 user selected calibrated flow and pressure baffles allowing for 14 different flow and pressure combinations shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth or stainless steel spinning teeth (specify), a stainless steel slide valve with detent flow control, (except tip-only models) and inlet debris screen. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down and meets the flow and performance criteria of NFPA 1964. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available (except tip-only models). Nozzle shall accept the FJ-MX-HM multi-expansion and FJ-HM, FJ-LX-HM low-expansion foam attachments. Nozzle shall have laser engraved serial number and a 5-year warranty.

METRO 1 Impulse With Trigger Valve System - Lightweight fog and straight stream nozzles with fixed gallonage setting and 7 user selected calibrated flow and pressure baffles allowing for 14 different flow and pressure combinations shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth, a stainless steel slide valve with trigger flow control with locking feature, and inlet debris screen. The

extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down and meets the flow and performance criteria of NFPA 1964. Nylon pistol grip with ribbed surface shall be standard. Nozzle shall accept the FJ-HM and FJ-LX-HM low expansion and FJ-MX-HM multi-expansion foam attachments. Nozzles shall have laser engraved serial number and a 5-year warranty.

METRO 2 Series - Lightweight fog and straight stream nozzles with fixed gallonage setting and 5 user selected calibrated flow and pressure baffles allowing for 10 different flow and pressure combinations shall be provided. Nozzles shall have a heavy duty nylon valve ball (except tip only models). Nozzles shall have a molded rubber bumper with "power fog" teeth. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down and meets the flow and performance criteria of NFPA 1964). Color-coded, injection molded nylon pistol grips and valve handle covers shall be available (except tip-only models). Nozzle shall accept the FJ-HMX multi-expansion and FJ-H low-expansion foam attachments. Nozzle shall have laser engraved serial number and a 5-year warranty.

Mid-Force Series - Lightweight fog and straight stream nozzles with constant pressure/variable gallonage operation shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth or stainless steel spinning teeth (specify), a stainless steel slide valve with detent flow control (except tip-only models), and inlet debris screen. The nozzle shall have a dual pressure selector that allows for 100 psi or 55 psi pressure operation or a low-pressure version that allows 75 psi or 45 psi pressure operation (specify). The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall have a full-time swivel inlet (except tip-only models), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and valve handle covers (except tip-only models) shall be available and nozzles shall accept the FJ-HM, FJ-LX-HM low and FJ-MX-HM multi-expansion foam attachments. Nozzle shall have laser engraved serial number and a 5-year warranty.

Mid-Force Impulse With Trigger Valve System - Lightweight fog and straight stream nozzles with constant pressure/variable gallonage operation shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth, a stainless steel slide valve with trigger flow control with locking feature, and inlet debris screen. The nozzle shall have a dual pressure selector that allows for 100 psi or 55 psi pressure operation , or a low-pressure version that allows 75 psi or 45 psi pressure operation (specify). The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down and meets the flow and performance criteria of NFPA 1964. Nylon pistol grip with ribbed surface shall be standard. Nozzle shall accept the FJ-HM, FJ-LX-HM low expansion and FJ-MX-HM multi-expansion foam attachments. Nozzles shall have laser engraved serial number and a 5-year warranty.

Mid-Matic Series - Lightweight fog and straight stream nozzles with constant pressure/variable gallonage operation with a flow range of 70-200 gpm @ 100 psi or 70-200 gpm @ 75 psi (specify) shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth or stainless steel spinning teeth (specify), a stainless steel slide valve with detent flow control, (except tip-only models) and inlet debris screen. The extruded aluminum alloy body shall be hardcoat anodized, and reflective labeling shall be standard. The nozzle shall have a full-time swivel inlet (except tip-only models), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and valve handle covers (except tip-only models) shall be available. Nozzles shall accept the FJ-HM, FJ-LX-HM low and FJ-MX-HM multi-expansion foam attachments. Nozzle shall have laser engraved serial number and a 5-year warranty.

Mid-Matic Impulse With Trigger Valve System - Lightweight fog and straight stream nozzles with constant pressure/variable gallonage operation of 70-200 gpm @ 100 psi or 70-200 gpm @ 75 psi (specify) shall be provided. Nozzles shall have a molded rubber bumper with "power fog" teeth, a stainless steel slide valve with trigger flow control with locking feature, and inlet debris screen. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down and meets the flow and performance criteria of NFPA 1964. Nylon pistol grip with ribbed surface shall be standard. Nozzle shall accept the FJ-HM, FJ-LX-HM low expansion and FJ-MX-HM multi-expansion foam attachments. Nozzles shall have laser engraved serial number and a 5-year warranty.

Monsoon® Monitor Series - Rated up to 2000 gpm, and 200 psi, the Monsoon is a manually operated fixed station or truck mounted monitor with manual control of rotation and elevation angle. The hand wheel shall provide elevation control from 90° above and 45° below horizontal through a segmented waterway with minimal waterway turning angles and built-in stream shaping vane. The unit shall have hand wheel operated 360° continuous rotational travel, stainless steel worm gear, or tiller bar rotation (specify), user installed travel limit stops. The monitor shall be hardcoat anodized aluminum alloy and shall have a silver powder coat finish inside and out. Unit shall have serial number and be covered by a 5-year warranty.

Monsoon® RC Monitor Series - Rated up to 2000 gpm, and 200 psi, the Monsoon RC is a remotely controlled fixed station or truck mounted monitor with electric remote control of rotation, elevation angle and nozzle pattern. The unit shall have an electrically operated elevation control from 90° above and 45° below horizontal through a segmented waterway with minimal waterway turning angles and built-in stream shaping vane. The unit shall have an electrically operated 450° horizontal rotational travel, stainless steel worm gear, and user installed travel limit stops. User operation controls shall be mounted on the monitor, and shall include rotation, elevation, and nozzle stream pattern control programmable park and oscillate and two auxiliary controls. Optional remote wired, tethered and wireless remote controls shall be available. The monitor shall be hardcoat anodized aluminum alloy and shall have a silver powder coat finish inside and out. Various flange and threaded inlets including locking quick connect shall be available (specify). Unit shall have serial number and be covered by a 5-year warranty.

Multi-Expansion Foam Attachment - Air aspirating nozzle foam attachment shall be constructed of corrosion resistant, high strength materials with stainless steel screen and components (except FJ-MX-MD model). Attachment shall attach to appropriate nozzle bumper with a locking mechanism. Unit shall have reflective labeling, engraved serial number, and be covered by a 5-year warranty.

NY Stacked Smooth Bore Tips - Smooth bore tips shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Each tip shall be laser engraved with flow/pressure chart, and orifice size. Tip sizes shall be 15/16" and ½". Inlet shall be 1-½". Unit shall be covered by a 5-year warranty.

Oasis Under Monitor Series - The unit shall be constructed of corrosion resistant hardcoat anodized aluminum alloy and have a red powdercoated finish inside and out and shall have stainless steel components. The gear box mounted hand crank shall have a valve position indicator. An automatic clapper valve with position indicator shall be standard to allow water flow in the event of a booster pump failure for uninterrupted water flow. Large diameter inlets and outlets shall have corrosion resistant polymer bearing strip and shall be available in threaded or Storz connections (specify). Maximum operating pressure shall be 250 psi. Unit shall be available with TFT monitor connection or 4" ANSI flange (specify). Unit shall have a serial number and be covered by a 5-year warranty.

Pressure Relief Valve - TFT's Pressure Relief Valve shall be adjustable from 90 to 300 psi (6 to 21 bar) with easy to see increments of 90, 125, 150, 200, 250, and 300 psi. Each pressure relief valve shall include an OFF position. The pressure relief valve shall be NFPA 1901 compliant. The aluminum casting shall be hardcoat anodized, and TFT-powder coat finished inside and out for maximum corrosion protection. The units shall be available to install on Darley, Waterous, or Hale bolt hole patterns for direct use on pump flanges. Housings shall be available with 2" male pipe thread, 2.5" male NH thread, or 2.5" Victaulic® connection on the discharge. Add 1.5" to depth for models A1850 and A1860. The pressure relief valves shall be covered by a written five-year warranty.

Protector Series Industrial Monitor - Rated up to 1250 gpm, the Protector is an industrial-type fixed station monitor. The unit shall have a patented waterway design with integral stream shaping vane to reduce friction loss and have an optional built-in on/off valve with position indicator (specify). The unit can be directly bolted to many common pipe flanges (specify flange size) and the outlet shall be available with 2-½" male threads. Threaded ports shall be provided for drain valve and pressure gauge installation and maximum operating pressure shall be 250 psi. The unit shall require no grease or other maintenance and swiveling elements and seals (including valve seat) shall be easily replaced. The Protector shall be hardcoat anodized aluminum alloy. The monitor shall have a powder coat finish inside and out. Swivel clamps, 3" valve ball, and hardware shall be stainless steel. Unit shall have laser engraved serial number and a 5-year warranty.

Quad Stacked Smooth Bore Tips for Tsunami - Smooth bore tips shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Inlet shall be proprietary nozzle connection for attachment for Tsunami Series monitors. The unit shall include an integral stream straightener. Each tip shall be laser engraved with flow/pressure chart and orifice size. Tip sizes shall be 5.125", 4.5" 4.0", and 3.5". Unit shall be covered by a 5-year warranty.

QuadraCup® Selectable Gallonage Nozzle Series - Lightweight fog and straight stream nozzles with four constant gallonage settings of 30, 60, 95, and 125 gpm @ 100 psi. Nozzles shall have a retractable aluminum sleeve for foam aspiration, and shall be available with either stainless steel ball shut-off with quick-change polymer valve seat, or twist shut-off (tip-only models). Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. The extruded aluminum alloy body and sleeve shall be hardcoat anodized with stainless steel components, and reflective labeling shall be standard. The nozzle shall have a swivel inlet (except tip-only models), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available (except tip-only models). Nozzle shall have laser engraved serial number and a 5-year warranty.

QuadraFog® DQ40 Selectable Gallonage Nozzle Series - Lightweight fog and straight stream nozzles with multiple constant gallonage settings. Nozzles shall have fixed fog teeth, a protective front bumper, and shall be available with either stainless steel ball shut-off and quick-change polymer valve seat, or twist shut-off. Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. The extruded aluminum alloy body shall be hardcoat anodized with stainless steel components, and reflective labeling shall be standard. The nozzle shall have a swivel inlet (except tip-only models), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available (except tip-only models), and nozzles shall accept the low expansion and multi-expansion foam attachments. Nozzle shall have laser engraved serial number and a 5-year warranty.

QuadraFog® DQ60 Selectable Gallonage Nozzle Series - Lightweight fog and straight stream nozzles with multiple constant gallonage settings. Nozzles shall have fixed fog teeth, a protective front bumper, and shall be available with either stainless steel ball shut-off and quick-change polymer valve seat, or twist shut-off. Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. The extruded aluminum alloy body shall be hardcoat anodized with stainless steel components, and reflective labeling shall be standard. The nozzle shall have a swivel inlet (except tip-only models), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available (except tip-only models), and nozzles shall accept the low expansion and multi-expansion foam attachments. Nozzle shall have laser engraved serial number and a 5-year warranty.

Quad Stacked Smooth Bore Tips 2-½" Inlet - Smooth bore tips shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Inlet shall be 2-½" swivel coupling. Each tip shall be laser engraved with flow/pressure chart, orifice size and thread size. Tip sizes shall be 2", 1.75", 1.5" and 1.375". Unit shall be covered by a 5-year warranty.

Quad Stacked Smooth Bore Tips 3-½" Inlet - Smooth bore tips shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Inlet shall be 3-½" swivel coupling with integral stream straightener. Each tip shall be laser engraved with flow/pressure chart, orifice size and thread size. Tip sizes shall be 2.75", 2.5", 2.25" and 2". Unit shall be covered by a 5-year warranty.

Quick Connect 90° Elbow – The quick connect elbow shall have a 4-1/2" female coupling for attachment to 4" F NPT, 4" ANSI 150 flange inlet adapter or to TFT VUM Valve Under Monitor with quick connect outlet (adapters and VUM sold separately). The unit shall be constructed of corrosion resistant, hardcoat anodized aluminum alloy and have a silver powder coat finish inside and out. The unit shall have a large carrying handle, a boss for drilling and threading for a drain/bleeder or pressure gauge. Various threaded and Storz outlet connections shall be available (specify). The unit shall have a serial number and be covered by a 5-year warranty.

Quarter-Turn Hydrant Valve - The lightweight quarter-turn ball hydrant valve shall be configured with a 2-1/2" female rocker lug or long handle swivel inlet and 2-1/2" male rigid outlet. The unit shall have quarter-turn aluminum ball valve with full 2-1/2" waterway, and folding Nylon handle with auto-lock feature. A 3/4" NPT female plugged bleeder valve port shall be standard. For corrosion resistance the valve shall be hardcoat anodized and shall have a durable silver powder coat interior and exterior finish. The unit shall be covered by a five-year warranty.

Res-Q-Rench® - Folding multi-purpose tool shall be made from lightweight and durable nylon with stainless steel components. The unit shall include carbide tip point for breaking tempered glass, a spanner wrench to fit 1-½" to 2-½" rocker lug couplings and most 4" and 5" Storz couplings. A durable, recessed stainless steel blade for cutting seat belts and other web-type materials shall be included. A prying tool, oxygen bottle valve wrench, and residential gas valve shut off that fits many gas valves shall be standard. Unit shall covered by a 5-year warranty.

Selectable Electric Remote Nozzle Series - Lightweight fog and straight stream nozzles with constant gallonage settings that may be infinitely adjusted from 15-120 gpm @ 100 psi. Nozzles shall have a molded rubber bumper with "power fog" teeth. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down. The electric motor shall have a manual override. Nozzles shall accept the FJ-U low and FJ-UMX multi-expansion foam attachments. Standard nozzle inlet is 1-1/2" female swivel. Nozzle shall have laser engraved serial number and a 5-year warranty.

Slow Close Hydrant Valve - The lightweight slow close high rise ball valve shall have an aluminum valve ball with full 2-1/2" waterway, and multi-turn, slow close knob with valve position indicator. Pressure gauge shall be liquid-filled, with pitot-type probe in waterway. 3/4" NPT female plugged bleeder valve port shall be standard. Aluminum casting shall be hardcoat anodized, and silver TFT powdercoat finished inside and out for maximum corrosion protection. Units shall be available in 2-½" female rocker lug or long handle swivel inlet (specify) and 2-½" rigid male outlet or pivoting male outlet (specify). The pivoting male outlet shall pivot ± 20° from center. Gauge shall have protective ring and lens cover shall be available in 0-200 psi or 0-300 psi (specify). Unit shall have a serial number and a 5-year warranty.

Slow Close High Rise Valve - The lightweight slow close high rise ball valve shall have an aluminum valve ball with full 2-1/2" waterway, and multi-turn, slow close knob with valve position indicator. Pressure gauge shall be liquid-filled, with pitot-type probe into the waterway. A 3/4" NPT female plugged bleeder valve port shall be standard. For corrosion resistance the valve shall be hardcoat anodized and shall have a durable silver powder coat interior and exterior finish. Units shall be available in 2-½" female rocker lug or long handle swivel inlet (specify) and 2-½" rigid male outlet or pivoting male outlet (specify). The pivoting male outlet shall pivot ± 20° from center. Gauge shall have protective ring and lens cover and be available in 0-200 psi or 0-300 psi (specify). Unit shall be covered by a 5-year warranty.

Smooth Bore Insert Set - Set shall include 7/8", 15/16", 1", and 1-1/8" orifice smooth bore inserts made of durable, polymer material and shall have orifice size laser engraved. Units shall be capable of being installed in the stainless steel ball of the 140 series ball valves and outlet waterway of the VIT series valves. Insert set shall be covered by a 5-year warranty.

Smooth Bore Tips 1" Inlet Set (Forestry) - Set of six interchangeable smooth bore tips shall be constructed of corrosion resistant, high strength nylon. One 1" hard coat anodized aluminum alloy coupling with rubber gasket shall be included. Smooth bore tips shall be marked with orifice size. Smooth bore tip set shall include one tip each of 1/8", 3/16", 1/4", 5/16", 3/8" and 7/16" orifice size. Units shall be covered by a 5-year warranty.

Smooth Bore Tip 1-½" Inlet - Smooth bore tips shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Smooth bore tips shall be laser engraved with orifice size and inlet thread size. 1.5" inlet is standard with a choice of 1/2", 5/8", 3/4", 7/8", 15/16", 1", 1-1/8" and 1-1/4" orifice sizes (specify). Unit shall be covered by a 5-year warranty.

Smooth Bore Slug Tip 1-½" Inlet & Outlet - Smooth bore slug tips shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Smooth bore tips shall be laser engraved with orifice size, flow and pressure chart, and inlet/outlet thread size. 1-½" inlet is standard with a choice of 7/8" or 15/16" orifice sizes (specify). A set screw for secure attachment to valve shall be included. Unit shall be covered by a 5-year warranty.

Spanner Wrench Set w/Bracket (A3810) - Set of 4 spanner wrenches and mounting bracket shall be made from aluminum alloy. Spanner shall fit most 2-½" through 6" rocker lug and Storz couplings. Unit shall be covered by a 5-year warranty.

Spanner Wrench - Spanner wrench shall be made from aluminum alloy. Spanner shall fit most 2-½" through 5" rocker lug and Storz couplings and shall have adjustable tab for Storz lock release. Unit shall be covered by a 5-year warranty.

Spanner Wrench – Universal (A3813) - Spanner wrench shall be made from lightweight cast aluminum alloy. Spanner shall fit most 1-1/4" through 4" couplings. Features shall include pin detail, window jimmy, gas cock slot, hammer head and hanger loop. Unit shall be covered by a 5-year warranty.

Spanner Wrench Set – Universal (A3840) - Set of 2 universal spanner wrenches and mounting bracket and shall be made from lightweight cast aluminum alloy. Spanner shall fit most 1-1/4" through 4" couplings. Bracket has quick, snap action releases. Unit shall be covered by a 5-year warranty.

Spanner/Hydrant Wrench Set (A3845) – Set of 2 universal spanner wrenches, one single head hydrant wrench A3835, and mounting bracket and shall be made from lightweight cast aluminum alloy. Spanner shall fit most 1-1/4" through 4" couplings. Bracket has quick, snap action releases. Unit shall be covered by a 5-year warranty.

Spanner/Hydrant Wrench Set (A3850) – Set of 2 universal spanner wrenches, one dual head hydrant wrench A3800, and mounting bracket made from lightweight cast aluminum alloy. Spanner shall fit most 1-1/4" through 4" couplings. Bracket has quick, snap action releases. Unit shall be covered by a 5-year warranty.

EF1 RC Monitor Series – Rated up to 200 gpm, the EF1 RC is a remotely controlled truck mounted monitor with electric remote control of rotation and elevation angle and nozzle pattern. The electric motor shall provide elevation control from 90° above horizontal to 45° below horizontal. The unit shall have an electronically operated 270° horizontal rotational travel, user installed travel limit stops to give 180° of rotation, and stainless steel worm gear drive with manual override knobs. Optional remote wired, tethered and wireless remote controls shall be available. Compact design with waterproof, integral motor and electronics enclosure reduces potential for damage. The discharge elbow shall include an integral stream straightener and mounting flange for optional light kit. The monitor shall be constructed of hard coat anodized aluminum alloy and shall have a silver powder coat finish inside and out. Various flange and threaded inlets shall be available (specify) with 1-1/2" outlet. Unit shall have serial number and a 5-year warranty.

Swiveling Detent Elbow - 30° elbows shall be constructed of corrosion resistant, hard coat anodized aluminum alloy, with stainless steel components. The 30° inlet elbow shall swivel 360° and have multiple positive detents to prevent hose kinking and coupling stress. The units shall meet a 900 psi hydrostatic strength test. Elbows shall meet NFPA 1965. The unit shall have a silver powder coat finish inside and out. All hose couplings shall use a polymer bearing ring for prevention of galvanic corrosion. Unit shall have a chain/lanyard attachment anchor point, be available with a choice of hose threaded or Storz couplings (specify), have a serial number, and be covered by a 5-year warranty.

Suction Strainer (Barrel) - The strainer shall be made from molded nylon with hard anodized aluminum couplings with corrosion resistant nylon bearing strip. Strainer shall have large eye for rope attachment. Strainer shall have serial number and a 5-year warranty.

Suction Strainer (Low Level) - The strainer shall be made from hard anodized and powder coated aluminum alloy and stainless steel. Suction hose coupling shall be attached with corrosion resistant nylon bearing strip, allowing easy swiveling. A large clog-resistant stainless steel filter screen shall be standard and allow clearing without tools. Low level strainer shall be designed to allow suction from minimal depths with minimal friction loss. Suction hose coupling pivot shall have 45° range of motion. Optional jet siphon shall have 1-½" female multiple swiveling connection, and plug with lanyard attached. A large carrying handle shall be standard. Strainer shall have serial number and a 5-year warranty.

Suction Strainer (Low Level/Floating) - The strainer shall be made from hard anodized and powder coated aluminum alloy and stainless steel. Suction hose coupling shall be attached with corrosion resistant nylon bearing strip, allowing easy swiveling. A large clog-resistant stainless steel filter screen shall be standard and allow clearing without tools. Low level strainer shall be designed to allow suction from minimal depths with the float attached, with minimal friction loss. The removable, high visibility yellow float shall be made from polyethylene and nest over the strainer body, allowing compact storage. Suction hose coupling pivot shall have 45° range of motion. Optional jet siphon shall have 1-½" female multiple swiveling connection, and plug with lanyard attached. A large carrying handle shall be standard. Strainer shall have serial number and a 5-year warranty.

Tapered Reducing Adapter - Tapered nozzle adapter shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Units shall be available in 2-½" female inlet by 1-½" male outlet or 1-½" female inlet by 1" male outlet (specify) and shall have smooth internal taper. Unit shall be covered by a 5-year warranty.

ThunderFog® Selectable Gallonage Nozzle Series - Lightweight fog and straight stream nozzles with multiple constant gallonage settings. Nozzles shall have fixed fog teeth or stainless steel spinning teeth (specify), a protective front bumper, and shall be available with either stainless steel ball shut-off and quick-change polymer valve seat, or twist shut-off. Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. The extruded aluminum alloy body shall be hardcoat anodized with stainless steel components, and reflective labeling shall be standard. The nozzle shall have a swivel inlet (except tip-only models), flush without shutting down and meet NFPA 1964. Color-coded, injection molded nylon pistol grips and handle covers shall be available (except tip-only models), and nozzles shall accept the FJ-MX-FT multi-expansion foam attachment. Nozzle shall have laser engraved serial number and a 5-year warranty.

Tornado® LT Monitor Series - Rated up to 500 gpm, the Tornado LT is a compact, remotely controlled truck mounted monitor with electric remote control of rotation and elevation angle and nozzle pattern. The electric motor shall provide elevation control from 90° above horizontal to 45° below horizontal. The unit shall have an electronically operated 370° horizontal rotational travel, user installed travel limit stops, stainless steel worm gear drive with manual override knobs, and shall have grease zerk fittings for easy service and lubrication. Waterproof electrical plugs are provided to connect to remote wired, and tethered remote controls. The discharge elbow shall include an integral stream straightener. The monitor shall be constructed of hard coat anodized aluminum alloy and shall have a silver powder coat finish inside and out. Various flange and threaded inlets shall be available (specify). Unit shall have serial number and a 5-year warranty.

Tornado® Monitor Series - Rated up to 500 gpm, the Tornado is a truck-mounted or fixed installation monitor. The tiller handle shall provide elevation control from 90° above horizontal to 45° below horizontal. The unit shall have a full 360° continuous horizontal rotation with locking knob. User installed travel limit stops shall be included. The monitor shall be constructed of hardcoat anodized aluminum alloy and shall have a silver powder coat finish inside and out. Various flange and threaded inlets including locking quick connect shall be available (specify). Unit shall have serial number and a 5-year warranty.

Tornado® OSC Monitor Series - Rated up to 500 gpm, the Tornado OSC is a truck-mounted or fixed installation monitor. The monitor outlet shall have a user adjustable sweep pattern of 20°, 30°, or 40° automatic oscillating sweep pattern with manual override. The oscillating outlet component can be rotated to allow side to side, up and down, or any angle in between. An internal water-driven turbine shall power the oscillation without discharging water to the ground below the unit. The handwheels shall provide elevation control from 90° above horizontal to 45° below horizontal, and a full 360° continuous horizontal rotation. User installed travel limit stops shall be included. The monitor shall be constructed of hard coat anodized aluminum alloy and shall have a red powder coat finish inside and out. Various flange inlets shall be available (specify). Unit shall have serial number and a 5-year warranty.

Tornado® RC Monitor Series - Rated up to 500 gpm, the Tornado is a remotely controlled truck mounted monitor with electric remote control of rotation and elevation angle and nozzle pattern. The electric motor shall provide elevation control from 90° above horizontal to 45° below horizontal. The unit shall have an electronically operated 370° horizontal rotational travel, user installed travel limit stops, stainless steel worm gear drive with manual override knobs, and shall have grease zerk fittings for easy service and lubrication. User operation controls shall be mounted on the monitor, and shall include rotation, elevation, and nozzle stream pattern control programmable park and oscillate and two auxiliary controls. Optional remote wired, tethered and wireless remote controls shall be available. The discharge elbow shall include an integral stream straightener. The monitor shall be constructed of hard coat anodized aluminum alloy and shall have a silver powder coat finish inside and out. Various flange and threaded inlets including locking quick connect shall be available (specify). Unit shall have serial number and a 5-year warranty.

Triple Stacked Smooth Bore Tips 1-½" Inlet - Smooth bore tips shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Each tip shall be laser engraved with flow/pressure chart, orifice size and thread size. Tip sizes shall be 1.25", 1.125", and 1". Unit shall be covered by a 5-year warranty.

Triple Stacked Smooth Bore Tips 2-½" Inlet - Smooth bore tips shall be constructed of corrosion resistant, hard coat anodized aluminum alloy. Inlet shall be 2-½" swivel coupling. Each tip shall be laser engraved with flow/pressure chart, orifice size and thread size. Tip sizes shall be 1.5", 1.25" and 1". Unit shall be covered by a 5-year warranty.

Tsunami Monitor Series - Rated up to 8000 gpm, and 150 psi, the Tsunami is a manually operated fixed station or truck mounted monitor with manual control of rotation and elevation angle. The hand wheel shall provide elevation control from 90° above and 10° below horizontal through a segmented waterway with minimal waterway turning angles and built-in stream shaping vane. The unit shall have hand wheel operated 320° rotational travel, stainless steel worm gear rotation, user installed travel limit stops in 5° increments. The monitor shall be hardcoat anodized aluminum alloy and shall have a silver or red (specify) powder coat finish inside and out. Unit shall have an 8" ANSI flange inlet and proprietary nozzle connection for easy nozzle installation. Unit shall have serial number and be covered by a 5-year warranty.

Tsunami RC Monitor Series - Rated up to 8000 gpm, and 150 psi, the Tsunami RC is a remotely controlled fixed station or truck mounted monitor with electric remote control of rotation, elevation angle and nozzle pattern. The unit shall have an electrically operated elevation control from 90° above and 10° below horizontal through a segmented waterway with minimal waterway turning angles and built-in stream shaping vane. The unit shall have an electrically operated 320° horizontal rotational travel, stainless steel worm gear, and user installed travel limit stops in 5° increments. User operation controls shall be mounted on the monitor, and shall include rotation, elevation, and nozzle stream pattern control programmable park and oscillate and two auxiliary controls. Optional remote wired, tethered and wireless remote controls shall be available. The monitor shall be hardcoat anodized aluminum alloy and shall have a silver or red (specify) powder coat finish inside and out. Unit shall have an 8" ANSI flange inlet and proprietary nozzle connection for easy nozzle installation. Unit shall have serial number and be covered by a 5-year warranty.

Twister® Dual Gallonage Series - Lightweight fog and straight stream nozzles with dual gallonage settings shall be provided. Nozzles shall have fixed fog teeth, a protective front bumper, twist shut-off and shall be available with stainless steel ball shut-off and quick-change polymer valve seat. Valve handle shall be produced from high strength molded nylon and shall be provided with positive open and close stops. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available (except for tip only models) and nozzles shall accept the FJ-MX-D (1") and FJ-MX-F (1-½") multi-expansion foam attachment. Nozzle shall have laser engraved serial number and a 5-year warranty.

Typhoon Monitor Series - Rated up to 1500 gpm, and 200 psi, the Typhoon is a manually operated fixed station or truck mounted monitor with manual control of rotation and elevation angle. A handwheel or tiller handle with locking knob (specify) shall provide elevation control from 90 degrees above to 45 degrees below horizontal. A handwheel or tiller handle with locking knob (specify) shall provide 360 degree continuous horizontal rotation. User installed travel limit stops shall be included. The discharge elbow shall include an integral stream straightener. The monitor shall be constructed of hardcoat anodized aluminum alloy and shall have a silver powdercoat

finish inside and out. Various flange and threaded inlets including locking quick connect shall be available (specify). Unit shall have serial number and a 5 year warranty.

Typhoon RC Monitor Series - Rated up to 1500 gpm, and 200 psi, the Typhoon RC is a remotely controlled fixed station or truck mounted monitor with electric remote control of horizontal rotation, elevation, and nozzle pattern. The unit shall have an electrically operated elevation control from 45 degrees below horizontal up to a maximum of 45 degrees past vertical for a total possible travel of 215 degrees (specify). Unit shall have user installed elevation travel limit stops than can reduce the travel to 20 degrees past vertical or less in 10 degree increments. The unit shall have an electrically operated 450 degree maximum horizontal travel, stainless steel worm gear, and user installed horizontal travel limit stops in 10 degree increments. Knobs shall be mounted on the vertical and horizontal drives for manual override. User operation controls shall be mounted on the monitor, and shall include rotation, elevation, and nozzle stream pattern control, programmable park and oscillate and two auxiliary controls. Optional remote wired, tethered, and wireless remote controls shall be available. The discharge elbow shall include an integral stream straightener. The monitor shall be constructed of hardcoat anodized aluminum alloy and shall have a silver powder coat finish inside and out. Various flange and threaded inlets including locking quick connect shall be available (specify). Unit shall have serial number and a 5 year warranty.

Ultimatic Series - Lightweight fog and straight stream nozzles with constant pressure/variable gallonage operation of 10-125 gpm @ 100 psi or 10-100 gpm @ 75 psi (specify) shall be provided. Nozzles shall have a molded rubber bumper with “power fog” teeth, a stainless steel slide valve with detent flow control, (except tip-only models) and inlet debris screen. The extruded aluminum alloy body shall be hardcoat anodized, and reflective labeling shall be standard. The nozzle shall have a full-time swivel inlet (except tip-only models) and the ability to flush without shutting down. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available. Nozzles shall accept the FJ-U low and FJ-UMX multi-expansion foam attachments. Female inlets of 1” and 1-1/2” shall be available (specify). Nozzle shall have laser engraved serial number and a 5-year warranty.

Ultimatic Impulse With Trigger Valve System Series - Lightweight fog and straight stream nozzles with constant pressure/variable gallonage operation of 10-125 gpm @ 100 psi or 10-100 gpm @ 75 psi (specify) shall be provided. Nozzles shall have a molded rubber bumper with “power fog” teeth, a stainless steel slide valve with trigger flow control with locking feature, and inlet debris screen. The extruded aluminum alloy body shall be hardcoat anodized and reflective labeling shall be standard. The nozzle shall flush without shutting down and meets the flow and performance criteria of NFPA 1964. Nylon pistol grip with ribbed surface shall be standard. Nozzle shall accept the FJ-U low expansion and FJ-UMX multi-expansion foam attachments. Nozzles shall have laser engraved serial number and a 5-year warranty.

VIT Valve Integral Tip Ball Valve Series With Inserts - Valve body shall be constructed of corrosion resistant, hardcoat anodized extruded aluminum alloy. Lightweight valve with detent flow control shall include 7/8”, 15/16”, 1”, and 1 1/8” orifice inserts made of durable, lightweight nylon material and shall have orifice size laser engraved. Discharge shall have 1-½” male thread for coupling to a combination nozzle. Internal waterway shall be 1.375”. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available. Rubber covered playpipe handles are available on 2-½” models. Nozzle shall have a full-time swivel 1-1/2” or 2-1/2” inlet (specify), laser engraved serial number, and a 5-year warranty.

VIT Valve Integral Tip Ball Valve Series - Valve body shall be constructed of corrosion resistant, hardcoat anodized extruded aluminum alloy. Lightweight valve with detent flow control shall be available with 7/8”, 15/16”, 1”, 1-1/4” or 1-3/8” orifice (specify). The unit shall have orifice size laser engraved. Discharge shall have 1-½” male thread with retractable outlet thread protector for coupling to a combination nozzle. Internal waterway shall be 1.375” with smooth taper to orifice. Color-coded, injection molded nylon pistol grips and valve handle covers shall be available. Nozzle shall have a full-time swivel 1-1/2” or 2-1/2” inlet (specify), laser engraved serial number, and a 5-year warranty.

VUM Valve Under Monitor Series – Valve shall be designed for use under monitors and have low friction loss through its large, unobstructed waterway. Valve shall be constructed of hard coat anodized aluminum alloy and have silver TFT-powder coat finish inside and out for maximum corrosion protection. Hardware and half-ball valve section shall be stainless steel and shall control water flow at the base of the monitor. Valve inlet base shall be 4” ANSI 150 flange. Various outlets for monitor connection are available including 4” ANSI 150 flange; or straight or 22.5° forward angle for direct TFT monitor connection eliminating one flange (specify). Monitor valve control shall be controlled by a compact gear box mounted hand crank or side handwheel (specify) that meets NFPA 1901 slow-close requirements have a valve position indicator, and handwheel shall be reversible from side to side and shall have shaft extensions available for improved clearance (specify). An optional automatic drain valve (specify) shall be available in the stainless steel half-ball section to assist in draining water after the incoming water pressure is shut off. Four (4) auxiliary ports shall allow installation of straight or elbow 2-½” valves, hose or pipe threaded fittings, (specify) to allow water flow through these connections when the primary monitor valve is opened, closed or in an intermediate position. Blind plugs shall be installed in the auxiliary ports when other connections are not installed. Elbow and straight 2-½” valves shall have field replaceable valve seats, quarter turn tee valve handles with low force to move even under pressure with up to 250 psi (17 bar) maximum operating pressure. Automatic valve lock on 2-½” valve keeps its position while flowing at partial openings and shall be standard. 2-½” elbow valves shall have the ability to allow swiveling up to 45° or to be locked in place and 4-¾“ long extensions shall be available where more clearance from the primary monitor valve is desired (specify). Elbow and straight valves shall include a 2-½” to 1-½” reducer with 1-½” cap with lanyard. The unit shall have a serial number and a 5-year warranty.

VUM Valve Under Monitor RC Series – Valve shall be designed for use under monitors and have low friction loss through its large, unobstructed waterway. Valve shall be constructed of hard coat anodized aluminum alloy and have silver TFT-powder coat finish inside and out for maximum corrosion protection. Hardware and half-ball valve section shall be stainless steel and shall control water flow at the base of the monitor. Valve inlet base shall be 4” ANSI 150 flange. Various outlets for monitor connection are available including 4” ANSI 150 flange; or straight or 22.5° forward angle for direct TFT monitor connection eliminating one flange (specify). Monitor valve control shall controlled by an electric motor with manual override knob, manual valve position indicator, and shall meet NFPA 1901 slow-close requirements. The override knob shall be reversible from side to side and shall have shaft extensions available for improved clearance (specify). Electric control of the valve shall be by included control box which shall display open, closed, and intermediate valve positions. Control box and motor shall be waterproof. Electric control of the valve can be controlled from any TFT RC monitor control auxiliary 2 valve open/close button. An optional automatic drain valve (specify) shall be available in the stainless steel half-ball section to assist in draining water after the incoming water pressure is shut off. Four (4) auxiliary ports shall allow installation of straight or elbow 2-½” valves, hose or pipe threaded fittings, (specify) to allow water flow through these connections when the primary monitor valve is opened, closed or in an intermediate position. Blind plugs shall be installed in the auxiliary ports when other connections are not installed. Elbow and straight 2-½” valves shall have field replaceable valve seats, quarter turn valve tee handles with low force to move even under pressure with up to 250 psi (17 bar) maximum operating pressure. Automatic valve lock on 2-½” valve keeps its position while flowing at partial openings and shall be standard. 2-½” elbow valves shall have the ability to allow swiveling up to 45° or to be locked in place and 4-¾” long extensions shall be available where more clearance from the primary monitor valve is desired (specify). Elbow and straight valves shall include a 2-½” to 1-½” reducer with 1-½” cap with lanyard. The unit shall have a serial number and a 5-year warranty.

Water Thief 2-½” by 1-½” - Water Thief shall have full 2-½ and 1-½ inch waterways, field replaceable valve seats, quarter turn color coded valve handles with low force to move even under pressure with up to 250 psi (17 bar) maximum operating pressure from either side of the valves. Automatic valve lock on 2-½ inch valve keeps its position while flowing at partial openings and shall be standard. Special internal contour on 1-½” valves keeps them in position while flowing shall be standard. Units shall include three folding valve handles to minimize storage space. Pipe threaded port for pressure gauge shall be included. Unit shall have a carrying strap. Aluminum casting shall be hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. The unit shall have a serial number and a 5-year warranty.

Water Thief and Siamese - LDH by 2-½“ LDH Water Thief and Siamese shall have full 2-½“ waterway valved ports with field replaceable valve seats, color coded quarter turn valve handles with low force to move even under pressure with up to 250 psi (17 bar) maximum operating pressure from either side of the valves. Automatic valve lock on 2-½” inch valves keep their position while flowing at partial openings and shall be standard. Units shall include two folding valve handles to minimize storage space. Large diameter inlet and outlet ports shall have full flow through, corrosion resistant polymer bearing strip, and be available in threaded or Storz connections (specify). Unit shall have a strap for carrying and dragging hose. Aluminum casting shall be hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Water thief shall have male thread on 2-½” valved ports and Siamese shall have female swivel threaded connections on 2-½” valved ports. Maximum operating pressure of the unit shall be 250 psi. An optional, adjustable pressure relief valve shall be available. The unit shall have a serial number and a 5-year warranty.

ZM Industrial Fixed Gallonage Nozzle Series - A fixed gallonage adjustable straight stream/fog nozzle available with 500, 750, 1000, or 1250 gpm @100 psi, or user specified Kfactor flow setting (specify) and 2-½“ female inlet shall be provided. Nozzle shall be capable of flowing water or foam solution. Fog angle is user adjustable between 120º wide fog and straight stream. Unit’s baffle shall be removable with a wrench for flushing debris. Unit requires no grease or other maintenance. The unit shall be hardcoat anodized ANSI A356.0.T6 aluminum. Unit shall have reflective labeling, engraved serial number, and be covered by a 5-year warranty.

ZN Industrial Nozzle Series - A fixed gallonage fog nozzle rated at 100 psi is available with your choice of 350, 500 or 750 gpm. Fog angle is user adjustable between 120º

wide fog and straight stream. Units baffle shall be removable with a wrench for flushing debris. Unit requires no grease or other maintenance. The stream shaper shall be made from non-corroding high temperature polymer. The rubber bumper shall be UV resistant. Unit shall be hardcoat anodized ANSI A356.0.T6 aluminum. Unit shall have reflective labeling, engraved serial number, and be covered by a 5-year warranty.

ZO Industrial Fixed Gallonage Nozzle Series - A fixed gallonage adjustable straight stream/fog nozzle available with 1250, 1500, 1750, 2000, or 2500 gpm @100 psi (specify). 3-½" female inlet shall be provided. Nozzle shall be capable of flowing water or foam solution. Fog angle is user adjustable between 120º wide fog and straight stream using folding handles to assist pattern change. A locking ring to set the nozzle pattern shall be standard. Unit's baffle shall be removable with a wrench for flushing debris. Unit requires no grease or other maintenance. The unit shall be hardcoat anodized ANSI A356.0.T6 aluminum and shall be powder coated. Unit shall have reflective labeling, engraved serial number, and be covered by a 5-year warranty.

STATEMENT OF WARRANTY AND REPAIR

Task Force Tips, Inc., 3701 Innovation Way, Valparaiso, Indiana 46383-9327 USA ("TFT") warrants to the original purchaser of its nozzles and other equipment ("equipment"), and to anyone to whom it is transferred, that the equipment shall be free from defects in material and workmanship during the five (5) year period from the date of manufacture. (Selected items have a ten (10) year warranty)

TFT's obligation under this warranty is specifically limited to replacing or repairing the equipment (or its parts) which are shown by TFT's examination to be in a defective condition attributable to TFT. To qualify for this limited warranty, the claimant must return the equipment to TFT, at 3701 Innovation Way, Valparaiso, Indiana 46383-9327 USA, within a reasonable time after discovery of the defect. TFT will examine the equipment. If TFT determines that there is a defect attributable to it, TFT will correct the problem within a reasonable time. If the equipment is covered by this limited warranty, TFT will assume the expenses of repair.

If any defect attributable to TFT under this limited warranty cannot be reasonably cured by repair or replacement, TFT may elect to refund the purchase price of the equipment, less reasonable depreciation, in complete discharge of its obligations under this limited warranty. If TFT makes this election, claimant shall return the equipment to TFT free and clear of any liens and encumbrances.

This is a limited warranty. The original purchaser of the equipment, any person to whom it is transferred, and any person who is an intended or unintended beneficiary of the equipment, shall not be entitled to recover from TFT any consequential or incidental damages for injury to person and/or property resulting from any defective equipment manufactured or assembled by TFT. It is agreed and understood that the price stated for the equipment is in part consideration for limiting TFT's liability. Some states or countries do not allow the exclusion or limitation of incidental or consequential damages, so the above may not apply to you.

TFT shall have no obligation under this limited warranty if the equipment is, or has been, misused or neglected (including failure to provide reasonable maintenance) or if there have been accidents to the equipment or if it has been repaired or altered by someone else.

THIS IS A LIMITED EXPRESS WARRANTY ONLY. TFT EXPRESSLY DISCLAIMS WITH RESPECT TO THE EQUIPMENT ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND ALL IMPLIED WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE. THERE IS NO WARRANTY OF ANY NATURE MADE BY TFT BEYOND THAT STATED IN THE DOCUMENT.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

EN CERTIFIED EQUIPMENT

Part Number	Description	Extra Description	Certification Number
BP20-052	ULTIMATIC FO7 W/GRIP 3/4"BSP INLET	40-500 L/MIN @ 7BAR FLASHOVER	CERT0032 - PN16/40 EN15182-4
BP20-057	ULTIMATIC FO7 W/GRIP 1.0"BSP	40-500 L/MIN @7BAR FLASHOVER	CERT0032 - PN16/40 EN15182-4
BP20-058	ULTIMATIC FO7 W/GRIP 1.5"BSP INLET	150-500 L/MIN @ 7BAR FLASHOVER	CERT0034 - PN16 EN15182-2 Type 4.1
BP20-059	ULTIMATIC FO7 W/GRIP GFR20	40-500 L/MIN @ 7BAR FLASHOVER	CERT0032 - PN16/40 EN15182-4
BP20-092	ULTIMATIC F06 W/GRIP 1.5"BSP INLET	40-400 L/MIN @ 6BAR FLASHOVER	CERT0033 - PN16 EN15182-2 Type 4.1
BP20-097	ULTIMATIC 6 MMI W/GRIP UNI A45	40-400L/MIN @ 6BAR SPRAY STOP	CERT0033 - PN16 EN15182-2 Type 4.1
BP20-110	ULTIMATIC FO6 W/GRIP 2"BSP MALE	40-400 L/MIN @ 6BAR FLASHOVER	CERT0033 - PN16 EN15182-2 Type 4.1
BP20-111	ULTIMATIC F06 W/GRIP 2.5"BIC MALE	40-400 L/MIN @ 6BAR FLASHOVER	CERT0033 - PN16 EN15182-2 Type 4.1
GPA3C2M	G-FORCE 1.0 BSPF VALVE W/GRIP	SEL 50/100/150 LPM AT 6BAR	CERT0050 - PN16 SERIES EN15182-2 Type 3
GPA3V2M	G-FORCE 1.0 BSPF VALVE W/GRIP	AUTO 6BAR PULSING 150 LPM LOW	CERT0060 -PN16 SERIES EN15182-2 Type 4.1
GPB3A2M	G-FORCE 1.5 BSPF VALVE W/GRIP	SEL 100/250/500 LPM AT 6BAR	CERT0048 - PN16 SERIES EN15182-2 Type 3
GPB3D2M	G-FORCE 1.5 BSPF VALVE W/GRIP	AUTO 6BAR 500 LPM	CERT0051 - PN16 SERIES EN15182-2 Type 4.2
GPB3F2M	G-FORCE 1.5 BSPF VALVE W/GRIP	AUTO 6BAR PULSING 250 500 LPM LOW	CERT0053 - PN16 SERIES EN15182-2 Type 4.2
GPB3J2M	G-FORCE 1.5 BSPF VALVE W/GRIP	AUTO 6BAR PULSING 250 500 LPM	CERT0055 - PN16 SERIES EN15182-2 Type 4.2
GPB3U2M	G-FORCE 1.5 BSPF VALVE W/GRIP	AUTO 6BAR PULSING 500 LPM LOW	CERT0059 - PN16 SERIES EN15182-2 Type 4.1
GPD3B2M	G-FORCE 2.0 BSPM VALVE W/GRIP	SEL 100/235/400 LPM AT 6BAR	CERT0049 - PN16 SERIES EN15182-2 Type 3
GPD3G2M	G-FORCE 2.0 BSPM VALVE W/GRIP	AUTO 6BAR PULSING 235 400 LPM LOW	CERT0054 - PN16 SERIES EN15182-2 Type 4.2
GPD3W2M	G-FORCE 2.0 BSPM VALVE W/GRIP	SEL 100/235 LPM AT 6BAR	CERT0061 - PN16 SERIES EN15182-2 Type 3
GPK3F2M	G-FORCE ART 1.5 BSPF VALVE W/GRIP	AUTO 6BAR PULSING 250 500 LPM LOW	CERT0053 - PN16 SERIES EN15182-2 Type 4.2
HMDP21-028	MID-FORCE F06 W/GRIP 1.5"BSP	100-600 L/MIN @ 5 BAR	CERT0047 - PN16 EN15182-2 Type 4.1
HMDP21-029	MID-FORCE F06 W/GRIP 2.5"BIC	100-600 L/MIN @ 6 BAR MALE	CERT0047 - EN15182-2 Type 4.1
HMP20-108	MID-MATIC F06 W/GRIP 1.5"BSP	100-600 L/MIN @ 6 BAR	CERT0047 - EN15182-2 Type 4.1
HMP20-109	MID-MATIC F06 W/GRIP 2.5"BIC	100-600 L/MIN @ 6 BAR	CERT0047 - EN15182-2 Type 4.1
HMP20-235	MID-MATIC F06 1.5"BSP RED HANDLE/GRIP	100-500 L/MIN 6 BAR 3 DETENT	CERT0047 - EN15182-2 Type 4.1
MDP22A	MAX-FORCE TIP 2.5"BSP	400-2000L/MIN 7BAR/LOW PRESSURE	CERT0038 - EN15767-2 Type 4
MDP28A	MAX-MATIC TIP 2.5"BSP ALUMINUM	100-500GPM 100PSI SGL PRESS	CERT0013 - EN15767-2 Type 4
MP-I1250S-BJ	MASTERSTREAM 1250 NO HALO 2.5"BSP	600-4500 L/MIN@7BAR TRN BUMPR	CERT0039 - EN15767-2 Type 4
MP-R1250S-BJ	MASTERSTREAM 1250 W/HALO 2.5"BSP	600-4500L/MIN @ 7BAR	CERT0039 - EN15767-2 Type 4
QF1000	QUADRAFOG 1000 W/GRIP 2.5"BSP	285-950 L/MIN @ 6 BAR	CERT0029 - PN16 EN15182-2 Type 3
QF1000-BIC	QUADRAFOG 1000 W/GRIP 2.5"BIC MALE INLET	285-950 L/MIN @ 6 BAR	CERT0029 - PN16 EN15182-2 Type 3
QF1000-PA	QUADRAFOG W/HANDHOLDS 2.5"BSP FEMALE	285-950 L/MIN @ 6 BAR	CERT0029 - PN16 EN15182-2 Type 3
QF1000S-BIC	QUADRAFOG W/GRIP 2.5"BIC MALE	285-950 L/MIN @ 6 BAR SPINNING TEETH	CERT0029 - PN16 EN15182-2 Type 3

Part Number	Description	Extra Description	Certification Number
QF150	QUADRAFOG 150 W/GRIP 1.0"BSP	20-40-100-150 L/MIN @ 6BAR	CERT0030 -PN16 EN15182-2 Type 3
QF150-BH	QUADRAFOG 150 W/GRIP 2.0"BSP MALE	20-40-100-150 L/MIN @ 6BAR	CERT0030 -PN16 EN15182-2 Type 3
QF150-GFR	QUADRAFOG 150 W/GRIP GFR20 INLET	20-40-100-150 L/MIN @ 6BAR	CERT0030 -PN16 EN15182-2 Type 3
QF150-HP	QUADRAFOG 150 W/GRIP 1.0"BSP HIGH PRESSURE	20-40-100-150 L/MIN @ 6BAR	CERT0041 - PN40 EN15182-4
QF235-BH	QUADRAFOG 235 W/GRIP 2.0"BSP MALE	20-40-100-150-235 L/MIN @6BAR	CERT0040 - PN16 EN15182-2 Type 3
QF400	QUADRAFOG 400 W/GRIP 2.0"BSP MALE	70-400L\MIN @ 6BAR FLASHOVER	CERT0104 -PN16 EN 15182-2 Type 3
QF500	QUADRAFOG 500 W/GRIP 1.5"BSP	100-500L/MIN @ 6BAR FLASHOVER	CERT0031 - PN16 EN15182-2 Type 3
QF500BCTR	QUADRACUP 500 W/GRIP/TRIGGER 1.5"BSP	100-250-500L/MIN @ 6BAR	CERT0031 - PN16 EN15182-2 Type 3
QF500-BIC	QUADRAFOG 500 W/GRIP 2.5"BIC MALE	100-500L/MIN @ 6BAR FLASHOVER	CERT0031 - PN16 EN15182-2 Type 3
XFH-2BIC-EN	SAFE-TAK 1250 BASE - 2.5"BIC MALE INLETS	DOUBLE INLET - 1250 GPM	CERT0017 - EN15767-1
XPH-1BP	SAFE-TAK 1250 BASE 4.0"BSP MALE	WITH SAFETY VALVE	CERT0011 - EN15767-1
XPH-1BX	SAFE-TAK 1250 BASE 6.0"BSP MALE	SINGLE INLET W/SAFETY VALVE	CERT0011 - EN15767-1
XPH-1SP	SAFE-TAK 1250 BASE 4" STORZ	SINGLE INLET WITH SAFETY VALVE	CERT0011 - EN15767-1
XPH-1ST	SAFE-TAK 1250 BASE 5" STORZ	SINGLE INLET WITH SAFETY VALVE	CERT0011 - EN15767-1
XPH-2BJ	SAFE-TAK 1250 BASE 2.5"BSP FEMALE INLETS	DOUBLE INLET WITH SAFETY VALVE	CERT0011 - EN15767-1
XPH-2BJM	SAFE-TAK 1250 BASE 2.5"BSP MALE INLETS	MALE DBL INLET WITH SAFETY	CERT0011 - EN15767-1
XPH-2BP	SAFE-TAK 1250 BASE 2 X 4.0"BSP MALE INLETS	DOUBLE INLET WITH SAFETY VALVE	CERT0011 - EN15767-1
XPL-1BP	STOW-A-WAY 800 BASE 4.0"BSP MALE	SINGLE INLET NO SAFETY VALVE	CERT0037 - EN15767-1
XPL-1BX	STOW-A-WAY 800 BASE 6.0"BSP MALE INLET	3500 L/MN VERSION	CERT0037 - EN15767-1
XPL-1SP	STOW-A-WAY 800 BASE 4" STORZ	SINGLE INLET, 3500 L/MN VERSION	CERT0037 - EN15767-1
XPL-1ST	STOW-A-WAY 800 BASE 5" STORZ	SINGLE INLET, 3500 L/MN VERSION	CERT0037 - EN15767-1
XPL-2BJ	STOW-A-WAY 800 BASE 2.5"BSP FEMALE INLETS	DOUBLE INLET NO SAFETY VALVE	CERT0037 - EN15767-1
XXLP112A	BLITZFORCE 2.5"BSP INLET & OUTLET	500 GPM MONITOR	CERT0036 - EN15767-1
XXLP122A	BLITZFORCE 2.5"BSP MALE INLET	500 GPM MONITOR	CERT0036 - EN15767-1
XXP112A	BLITZFIRE MONITOR 2.5"BSP INLET/OUTLET	500 GPM MONITOR	CERT0035 - EN15767-1
XXP122A	BLITZFIRE MONITOR 2.5"BSPMALE INLET/OUTLET	500 GPM MONITOR	CERT0035 - EN15767-1
XXP212A	BLITZFIRE OSCILLATOR 2.5" BSP INLET/OUTLET	500 GPM MONITOR W/OSCILLATOR	CERT0035 - EN15767-1
XXP222A	BLITZFIRE OSCILLATOR 2.5"BSPMALE INLET/OUTLET	500 GPM MONITOR W/OSCILLATOR	CERT0035 - EN15767-1
XXP292A	BLITZFIRE OSC 4.0"BSPM X 2.5"BSPF	500 GPM MONITOR W/OSCILLATOR	CERT0035 - EN15767-1
HPM 132A	HEMISPHERE TRANSPORTABLE MONITOR	500 GPM MONITOR	CERT0083 - EN15767-1

CERTIFICATIONS

EN CERTIFICATION

The CE mark, or formerly EC mark, is a mandatory conformity marking for certain products sold within the European Economic Area (EEA) since 1985. The CE marking is also found on products sold outside the EEA that are manufactured in, or designed to be sold in, the EEA. This makes the CE marking recognizable worldwide even to people who are not familiar with the European Economic Area.

It consists of the CE logo and, if applicable, the four digit identification number of the notified body involved in the conformity assessment procedure.

The CE marking is the manufacturer's declaration that the product meets the requirements of the applicable EC directives.

CCC

The China Compulsory Certificate mark, commonly known as a CCC Mark, is a compulsory safety mark for many products imported, sold or used in the Chinese market. The CCC mark is administered by the CNCA (Certification and Accreditation Administration). The China Quality Certification Centre (CQC) is designated by CNCA to process CCC mark applications and defines the products that need CCC.

FM CERTIFICATION

Factory Mutual Global offers worldwide industrial and commercial product certification and testing services through FM Approvals®. Recognized and respected across the globe, FM Approvals certification assures customers a product or service that has been objectively tested and conforms to the highest national and international standards

NFPA CERTIFICATION - National Fire Protection Association

NFPA develops, publishes, and disseminates more than 300 consensus codes and standards intended to minimize the possibility and effects of fire and other risks. Codes and standards, administered by more than 250 Technical Committees comprising approximately 8,000 volunteers, are adopted and used throughout the world. The NFPA Standards Council oversees the Association's codes and standards development activities, administers the rules and regulations, and acts as an appeals body. Standards developed by NFPA and similar standards development organizations (SDOs) are "voluntary consensus standards," created through procedures accredited for their consensus decision-making, openness, balance of interests represented, and fairness by the American National Standards Institute (ANSI).

ATEX DIRECTIVE

TUV SUD America - ATEX Directive for all explosion-proof equipment and systems. This includes anything used within, or in conjunction with potentially explosive atmospheres such as safety, control and regulation devices, and protective components, equipment, and systems. Equipment, components and protective systems can only be placed on the market if general safety and health requirements according to the Directive 94/9/EC have been met, and the required statutory conformity assessment procedures have been successfully completed.

CNBOP CERTIFICATION

Research and Development Centre for Fire Protection (Poland) - Certificates of admittance - CNBOP-PIB Certification Department carries out certification of admittance of products used for ensuring public security or protecting health, life and property, introduced for use in fire protection units and used by these units to alert about fire or other hazard, and to carry out rescue operations, as well as products which are the portable firefighting equipment.

ISO CERTIFICATION

ISO (International Organization for Standardization) is an independent, non-governmental membership organization and the world's largest developer of voluntary International Standards. ISO 9000 series addresses various aspects of quality management and contains some of ISO's best known standards. The standards provide guidance and tools for companies and organizations who want to ensure that their products and services consistently meet customer's requirements, and that quality is consistently improved. Task Force Tips is Certified to ISO 9001 by Underwriter's Laboratories.

STANDARDS REFERENCED IN THE CATALOG

NFPA 1963 - Standard for Fire Hose Connections

NFPA 1964 - Standard for Spray Nozzles

NFPA 1901 - Standard for Automotive Fire Apparatus

FM 5511 - Firefighting Nozzles for Use with Hose, Monitor Assemblies and other Firefighting Equipment

FM 1421 - Monitor Assembly

ISO 228-1:- Pipe Threads where Pressure-Tight Joints are Not Made on Threads- Part 1: Dimensions, Tolerances and Design

ISO 228-2: 1987- Pipe Threads where Pressure-Tight Joints are Not Made on Threads- Part 2: Verification by Means of Limit Gauges

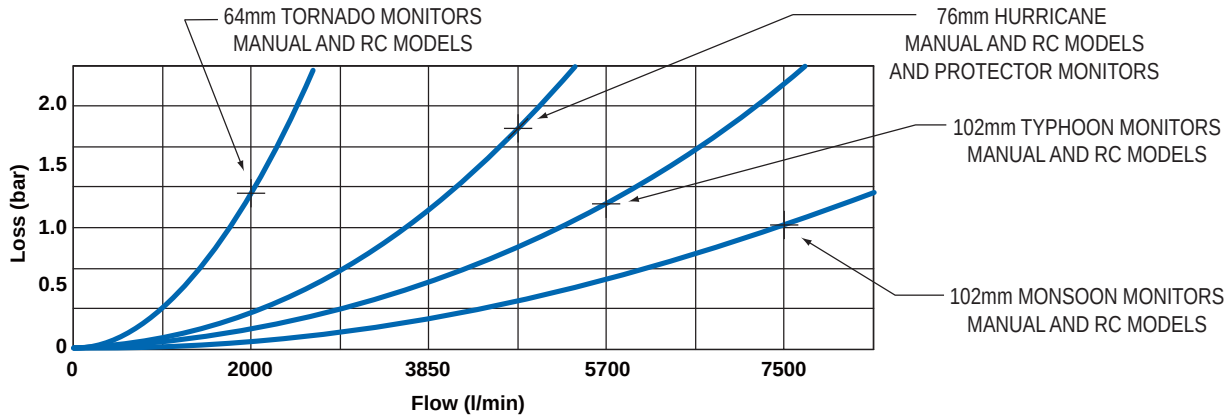
ANSI/ASME B1.20.1-1983 (R1992)- Pipe Threads, General Purpose (inch)

CE- Refers to the following:

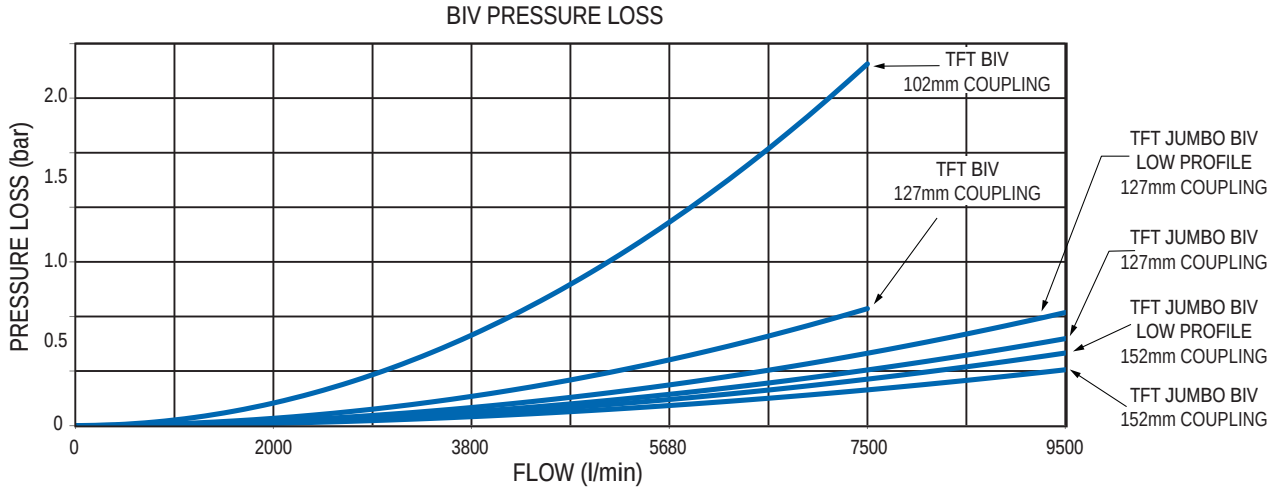
IEC 61000-6-3 General Standards- Emission Standard for Residential, Commercial and Light Industrial Environments

IEC 61000-6-2 Generic Standards- Immunity for Industrial Environments

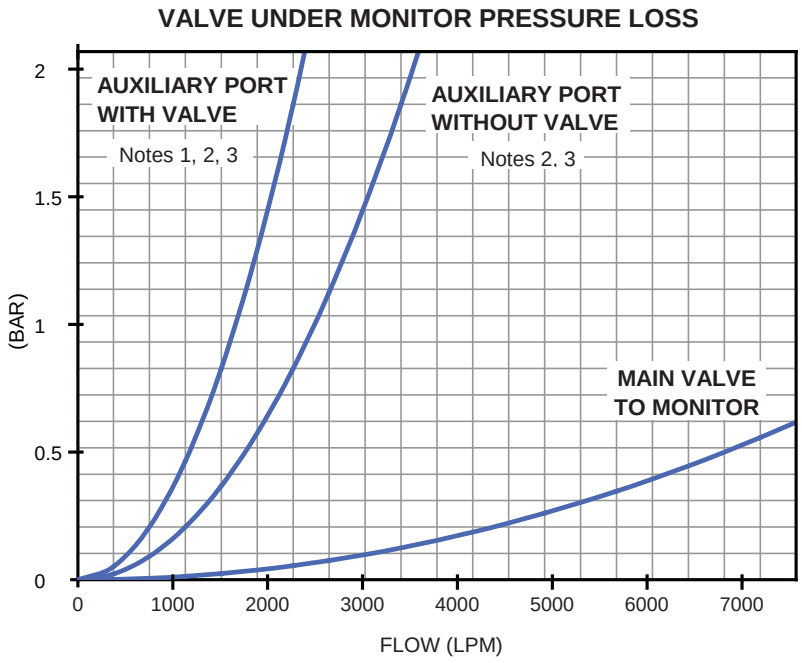
MONITOR PRESSURE LOSS



BIV PRESSURE LOSS



VUM PRESSURE LOSS



NOTES:

1) Curve represents auxiliary port options 2 and 3 (gated elbows). Pressure loss for auxilary port option 4 (straight hydrant valve) is about 15% less than indicated.

2) When valve to monitor is open, pressure loss through auxiliary ports C3 and C4 may be up to 50% greater than indicated. Auxiliary ports C1 and C2 are not affected by this condition.

3) Extension pipes (auxiliary port options B through F) do not add significant pressure loss.

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