

Price List and Product Specifications

Effective January 1, 2021

800-348-2686 • 219-462-6161 • TFT.com

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



Contact your local TFT distributor for information, literature, demonstrations and support.

PRODUCT HIGHLIGHTS



**Working
Fire
Nozzle**

Pages R20-R21

*Now Available in 2
Flows and Pressures*

**BIV
CHANGES**

Pages G8-G9



*Easier Model Selection
and Ordering*

**New, More Durable
Carry Bag**



**Hi-
Rise
Kit**

Page G15

Product Category Pages Segmented by Color

This catalog is presented in color-coded general categories of products. For a more detailed listing of products reference the Table of Contents on pages 2-3.

RED Initial Attack Products: Hand held nozzles, foam equipment, portable attack monitors.

GREEN Apparatus Products: Water supply and discharge appliances.

BLUE OEM Installed Products: Products typically installed by fire apparatus manufacturers that require plumbing and electrical installation.

PURPLE Industrial Products: Fire protection products for industrial applications.

TABLE OF CONTENTS PAGES 2 – 3

CUSTOMER SUPPORT INFORMATION PAGE 4

INITIAL ATTACK PRODUCTS

PAGES R1 – R77

DUAL GALLONAGE NOZZLES

Twister Series

FIXED FLOW EQUIPMENT

Ball Valve Series
Smoothbore Tips
VIT Series
VORTEX Series
Metro 0, 1, 2 Series
Working Fire Series

SELECTABLE NOZZLES

QuadraFog Series
ThunderFog Series

AUTOMATIC NOZZLES

Ultimatic Series
Mid-Matic Series
Mid-Force Series
Handline Series
Dual Force Series

SPECIALTY NOZZLES

Dry-Chem Nozzles
Dual Agent Nozzles

FOAM EQUIPMENT

In-Line Eductor Series
Bubble Cup Nozzle Series
QuadraCup Nozzle Series
CAFS Nozzles
FoamJet Nozzles
FoamJet Attachment Series
Master Foam Series

FLOW TEST

SHO-FLOW APP & Meter Series
Pressure Gauges

PORTABLE MONITOR NOZZLES

Master Stream
FlipTip 2 Series

PORTABLE MONITORS

Blitzfire Series
Hemisphere Series

APPARATUS PRODUCTS

PAGES G1 - G39

CROSSFIRE MONITOR

BALL INTAKE VALVES

HYDRANT AND HI-RISE VALVES

FORESTRY TEE, IN-LINE AND GATED VALVES

GATED WYES AND SIAMESE

2.5" (64 mm) Gated Wyes
and Siamese
LDH Gated Wyes
Jumbo Siamese and Wyes

WATER THIEFS AND MANIFOLDS

OASIS HYDRANT ASSIST

IN-LINE VALVES

SUCTION STRAINERS

OEM INSTALLED PRODUCTS

PAGES B1 – B80

PRESSURE RELIEF VALVES

PRVs

ELECTRIC REMOTE NOZZLES

ER Nozzles
MAX Series ER Nozzles

MASTER STREAM NOZZLES

Master Stream and ER Nozzles

VORTEX SERIES

Vortex 2 and 2 ER Nozzles
Vortex 3 and 3 ER Nozzles

EXTEND-A-GUNS

Extend-A-Gun
Extend-A-Gun RC

MONITORS

EF1 RC
Tornado Series
Hurricane Series
Typhoon Series
Monsoon Series
Tsunami Series

APPARATUS VALVES

Valves and
Gateable Valve Kits

REMOTE CONTROL ACCESSORIES

EXTEND-A-GUN PACKAGES

Crossfire and Hurricane
Packages

VALVE UNDER MONITOR

VUM Series

REMOTE CONTROL BALL INTAKE VALVES

RC BIV Series

INDUSTRIAL PRODUCTS

PAGES P1 – P18

ATEX APPROVED

ATEX Approved RC Nozzles
ATEX Approved Monitors

STATION MONITOR

Protector Station Monitor
Flanged Monitor Series
Tornado OSC

INDUSTRIAL NOZZLES AND VALVES

Industrial Nozzles
IVUM (Industrial Valve Under
Monitor)
Hydrant Under Monitor
Booster and Booster OSC
The Ultimate Combo

TECHNICAL DATA, ITEM INDEX AND WARRANTY

PAGE T1 – T14

TABLE OF CONTENTS

NOZZLES

Handheld Nozzles, Shut-offs and Accessories

Twister 3/4" & 1" Dual Flow.....	R2
Twister 1.5" Dual Flow.....	R3
Ball Shut-offs 1"-2.5".....	R4 - R7
Smoothbore Tips 1" - 1.5".....	R8 - R9, R52
Valve Integral Tips Ball Valve.....	R10 - R11
Vortex Nozzles.....	R13 - R14
Metro 0 1.0" Fixed Flow.....	R14
Metro 1 1.5" Fixed Flow.....	R15 - R17
Metro 2 1.5" Fixed Flow.....	R18
Metro 2 2.5" Fixed Flow.....	R19
Working Fire 1.5".....	R20 - R21
QuadraFog 1" DQ40 Selectable.....	R22
QuadraFog 1" DQ60 Selectable.....	R23
QuadraFog 1.5" Selectable.....	R24
ThunderFog 1.5" Selectable.....	R25 - R26
ThunderFog 2.5" Selectable.....	R27
Ultimatic 1" Automatic.....	R28
Ultimatic 1.5" Automatic.....	R29
Ultimatic 1" - 1.5" Automatic Trigger.....	R30
Mid-Matic 1.5" Automatic.....	R31 - R32
Mid-Matic 1.5" Automatic Trigger.....	R33
Mid-Force 1.5" Automatic Dual Pressure.....	R34 - R35
Handline 1.5" Automatic.....	R36 - R37
Handline 2.5" Automatic.....	R38 - R39
Dual-Force 1.5" Automatic Dual Pressure.....	R40 - R41
Dual-Force 2.5" Automatic Dual Pressure.....	R42 - R43
Folding Pistol Grip.....	R45
Bubble Cup 1" Dual Flow Foam Aspirating.....	R49
Bubble Cup 1.5" Dual Flow Foam Aspirating.....	R50
QuadraCup Nozzle 1.5" Foam Aspirating Selectable.....	R51
CAFS-Force 1.5" Compressed Air Foam.....	R52
CAFS Straight Tips.....	R52
Playpipe 2.5" x 1.5".....	R65
Smoothbore Inserts.....	R65
Stream Straightener 1.5"-2.5".....	R65

Specialty Nozzles

Dri-Chem & Dual Agent 1"-1.5".....	R44
------------------------------------	-----

Monitor Nozzles

FlipTip 2 Series.....	R71-R72
Master Foam 250, 350, 500, 750 Self-Educting.....	R57
Master Foam 1000, 1250, 1500, 2000 Self-Educting.....	B58
Master Foam ER 1000, 1250, 1500, 2000 Self-Educting.....	R59-R61
Industrial ZN 2.5" Fixed Flow up to 750 gpm.....	P7
Industrial ZM 2.5" Fixed Flow up to 1250 gpm.....	P7
Industrial ZO 3.5" Fixed Flow up to 2000 gpm.....	P7
Max-Force 2.5" Automatic Dual Pressure.....	R70, B11
Max-Matic 2.5" Automatic.....	R70, B11
Max-Flow 2.5" Fixed Flow.....	R70, B11
Master Stream 1000 - Automatic, Selectable, Fixed.....	B12
Master Stream 1000 w/Flush, Automatic, Selectable.....	B17
Master Stream 1000 ER Fixed, Selectable.....	B14
Master Stream 1250S Automatic.....	B13
Master Stream 1000 ER Automatic.....	B15
Master Stream 1000 ER w/Flush Automatic.....	B19
Master Stream 1250S ER Automatic.....	B15
Master Stream 1250 Automatic.....	B13
Master Stream 1250 ER Automatic.....	B16

Master Stream 1250 w/Flush, Fixed.....	B18
Master Stream 1250 w/Flush, Selectable.....	B18
Master Stream 1250 w/Flush, Automatic, Fixed.....	B18
Master Stream 1250 ER w/Flush, Automatic.....	B20
Master Stream 1250 ER w/Flush, Fixed.....	B20
Master Stream 1500 Automatic.....	B21
Master Stream 1500 ER Automatic.....	B22
Master Stream 2000 Automatic.....	B23
Master Stream 2000 ER Automatic.....	B24
Master Stream 4 Stacked Tip.....	G5, B25
Tsunami Stacked Tip.....	B58
Vortex 6 ER.....	B58
Master Stream 4000 ER.....	B58
Vortex 2 and Vortex 2 ER.....	B25
Vortex 3 and Vortex 3 ER.....	B26
Electric Remote 1.5" Fixed, Selectable, Automatic.....	B8-B10
CAFS Force 1 ER Automatic.....	B10
Stacked Tip 2.5".....	R70

MONITORS

Blitzfire 2.5" Portable Monitor.....	R66
Blitzfire OSC 2.5" Oscillating Portable Monitor.....	R67
Blitzfire-HE 2.5" Portable Monitor.....	R68
Blitzfire-HE OSC 2.5" Oscillating Portable Monitor.....	R69
Blitzfire Nozzles.....	R70
Blitzfire Series Package Order Assistance.....	R73-R74
Hemisphere Transportable Monitor & Accessories.....	R75-R77
Crossfire Stow-A-Way 800 2.5"-6" Deck/Portable.....	G2-G3
Crossfire Stow-A-Way 1250 3"-5" Deck/Portable.....	G2-G3
Crossfire Safe-Tak 1250 2.5"-6" Deck/Portable.....	G2-G3
Crossfire Packages.....	G3, B65-B67
Crossfire Monitor Accessories.....	G4-G5
Crossfire Package Ordering Assistance.....	G6, B65-B67
EF1 RC Electric Remote Monitor 200 GPM.....	B30-B32
Hurricane Package Ordering Assistance.....	B68
Tornado LT RC Electric Remote 500 GPM.....	B33-B34
Tornado Monitor 500 GPM.....	B38
Tornado RC Electric Remote Monitor 500 GPM.....	B35-B37
Hurricane Monitor 1250 GPM.....	B39-B42
Hurricane Dual Handwheel Monitor 1250 GPM.....	B41
Hurricane Package.....	B68
Hurricane RC Electric Remote Monitor 1250 GPM.....	B42
Typhoon Monitor 1500 GPM.....	B43-B46
Typhoon RC Electric Remote Monitor 1500 GPM.....	B45
Typhoon RC for Ladder & Platform 1500 GPM.....	B46
Monsoon Monitor 1250 GPM.....	B47-B50
Monsoon 1250 GPM RC Electric Remote Monitor.....	B49
Monsoon 1250 GPM RC for Ladder & Platform.....	B50
Monsoon Monitor 2000 GPM.....	B51-B54
Monsoon 2000 GPM RC Electric Remote Monitor.....	B53
Monsoon 2000 GPM RC for Ladder & Platform.....	B54
Tsunami Monitor 8000 GPM.....	B55-B58
Tsunami RC Electric Remote Monitor 8000 GPM.....	182
Remote Control Accessories.....	B61-B64
Electric Monitor Valve Kits.....	B59-B60
VUM Valve Under Monitor.....	B69-B76
Gateable Electric Monitor Valve Kits.....	B60
Extend-A-Gun Telescoping Deck Gun (manual).....	B27
Extend-A-Gun RC 3" (electric).....	B28
Extend-A-Gun RC 4" (electric).....	B29

TABLE OF CONTENTS

INDUSTRIAL PRODUCTS

Master Foam Nozzle 2.5" Self-Educting (Foam)	R57
Master Foam Nozzle 3.5" Self-Educting (Foam).....	R58, R60-R61
EF1 Monitor.....	B30-B32
Tornado Monitor.....	B33-B38
Hurricane Monitor.....	B39-B42
Typhoon Monitor.....	B43-B46
Monsoon Monitor.....	B47-B54
Tsunami Monitor.....	B55-B58
ATEX Approved Nozzles & Monitors	P2-P3
Protector Fixed Station Monitor.....	P4
ZN Nozzle 2.5" Fixed Flow up to 750 gpm	P7
ZM Nozzle 2.5" Fixed Flow up to 1250 gpm	P7
ZO Nozzle 3.5" Fixed Flow up to 2000 gpm	P7
Master Stream 4000 ER	B58
IVUM Industrial Valve Under Monitor	P8
Hydrant Under Monitor (HUM)	P9-P11
Booster	P12-P13
Booster OSC Monitor Oscillator.....	P12-P13
Flanged Monitor.....	P5
Flanged OSC Oscillating Monitor	P5
Tornado OSC Oscillating Monitor.....	P6
Quick Connect Adapter	P16
Quick Connect Elbow.....	P17
Hemisphere Transportable Monitor	R75-R77
Ultimate Industrial Package.....	P15

FOAM EQUIPMENT

Bubble Cup 1" Foam Aspirating Nozzle	R49
Bubble Cup 1.5" Foam Aspirating Nozzle	R50
QuadraCup 1.5" Foam Aspirating Nozzle	R51
FoamJet Low Expansion Attachment.....	R52-R53
FoamJet Multi-Expansion Attachment.....	R64-R68
FoamJet Medium Expansion Nozzles.....	R53
Foam Eductors 60, 95 & 125 Series	R46-R47
Foam Eductors 250 & 350 Series	R48
CAFS-Force 1.5" Compressed Air Foam Nozzle.....	R52
CAFS Straight Tips.....	R52
Master Foam 250, 250, 500, 750 Self-Educting.....	R57
Master Foam 1000, 1250, 1500, 2000 Self-Educting.....	R58
Master Foam ER 1000, 1250, 1500, 2000 Self-Educting.....	R59-R61

VALVES

LDH - Valves

VUM Valve Under Monitor.....	B69-B76
Jumbo Ball Intake Valve, Manual.....	G10-G11
Jumbo Low Profile Ball Intake Valve, Manual	G12-G13
Jumbo Ball Intake Valve RC (electric)	B77-B78
Jumbo Low Profile Ball Intake Valve RC (electric)	B79-B80
LDH Water Thief	G29
LDH Siamese Water Thief	G29
3-Way Valved Manifold	G30
3-Way Valved Siamese	G30
4-Way Valved Manifold	G31
4-Way Valved Siamese	G31
5-Way Valved Manifold	G32
LDH Gated Water Thief Slow Close	G33
In-Line Valve	G36
Jumbo Siamese w/Clapper	G25-G26
Jumbo Wye w/o Clapper.....	G27-G28
Oasis Hydrant Assist Valve	G34-G35
LDH Gated Wye.....	G24
LDH Dual Ball Intake Valve	G24
Pressure Relief Valves	B2-B3

FORESTRY - Valves

Forestry In-Line Valves	G16
Forestry Tee	G16
Forestry Wye	G16-G17
2.5" Gated Wye.....	G20
2.5" Gated Wye Slow Close.....	G22
2.5" Quarter Turn Hydrant Valve.....	G18
2.5" Hydrant Valve Slow Close.....	G18
2.5" Straight Hi-Rise Valve w/Gauge	G19
2.5" Gated Siamese.....	G21
2.5" Gated Siamese Slow Close.....	G23

HANDLINE - Valves

Water Thief 2.5" x 1.5"	G17
Gated Wye 2.5" x 1.5"	G17
Standpipe Wye w/Gauge 2.5"/1.5"	G17

SUCTION HOSE STRAINER

Barrel Strainer	G37
Low Level Strainer w/ & w/o Jet Siphon	G37
Floating Barrel Strainer.....	G38-G39
Floating Low Level Strainer w/ & w/o Jet Siphon	G38-G39

FLOW TEST

SHO-FLOW App.....	R62
SHO-FLOW 1 and 2 flow meter	R63
Line Pressure Gauges 1.5"-2.5"	R64

ACCESSORIES

Smoothbore Tips	R8-R9, R52, R70, B26
Stacked Tips	R9, R70, B23, B26, B58
Remote Control Accessories.....	B61-B64
Gasket Grabber 1.5"	R65
Tornado Light Kit	B64
Colored Pistol Grip Kits.....	T2
Colored Handle Covers	T2
Folding Pistol Grip	R45

REPAIR KITS

Nozzle Repair Kits.....	T1
LDH Hardware Repair Kits	T1
Extend-A-Gun Repair Kits	T1
Integral Smoothbore Replacement	T1
Lubricants	T2
Colored Handle Kits	T2
Colored Pistol Grip Kits.....	T2
Colored Pistol Grip Kits (Impulse Trigger Nozzles)	T2
Instruction Manual Information	T2

TECHNICAL DATA

Ordering Information.....	4
Thread Ordering Information	4
Return Policy.....	4
Thread Technical Information	T3
Smoothbore Discharge & Reaction Chart.....	T5
Storz Coupling Lockout Information	T4
Flange Specifications.....	T4
Flow Information	T6
Hydrant Discharge.....	T7
Definition Of Common Pressure Terms.....	T7
Standards Referenced In The Catalog.....	T7
Metric Conversions.....	T8
Monitor Pressure Loss Chart	T9
Ball Intake Valve Pressure Loss Chart	T9
Valve Under Monitor Pressure Loss Chart	T9
Part Number Index.....	T10-T13
Warranty	T14

Customer Support Information

CONTACT INFORMATION

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

24-Hour Turnaround Factory Service

24-Hour Technical Hotline 800-854-6864 • 219-462-6161

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% expedite fee will be charged and shown as a separate line item on the invoice.

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

RETURN POLICY

Seller will not consider requests for credit returns made more than 180 days after the date of shipment. Damaged shipments received in a damaged condition must be reported to us immediately upon receipt. No credit returns shall be accepted by Seller unless accompanied by a Return Goods Authorization (RGA) issued by Seller.

Seller shall have no obligation to issue an RGA. Seller reserves the sole right to determine the eligibility of items for credit.

Items which are received in non-returnable condition for credit will be handled in one of the following ways:

- Destroyed with Purchaser's approval
- Returned to Purchaser at its expense
- Refurbished and returned to Purchaser at its expense with its approval
- Partial credit issued to Purchaser at the sole discretion of Seller

Seller will have no responsibility or liability in connection with items returned for credit without an RGA. Credit returns arriving without a valid RGA may be refused. All items returned must be properly packed and identified in accordance with the RGA.

All costs and expenses associated with credit returns shall be borne by Purchaser. Return costs and expenses may include labor, material, administrative, and any other costs and expenses arising out of the return. A minimum 20% restocking charge will be assessed on all credit returns. Any credit will be subject to and conditioned the receipt of the returned items in new, unused, undamaged and saleable condition. All promos that no longer qualify will be reversed. Individual components purchased as part of a "package" may not be returned.

Seller may accept a credit return and waive the restocking or cancellation fee in the event Seller determines that the return was due to an error that was the fault of Seller. Returns for repair do not require an RGA, but should be registered using the TFT website at tft.com/support. The website includes Seller's repair terms and conditions and allows a return repair packing list and address label to be printed and progress of the repair to be tracked. If use of the website is not possible, information concerning repairs can be obtained by calling the Seller's Customer Care Team at 219-462-6161 or writing to Seller at Task Force Tips, 3701 Innovation Way, Valparaiso, IN 46383, USA. Repair returns may be subject to a repair estimate fee that will be waived if the repair is made.

All credit and repair returns are at Purchaser's or its customer's sole risk and expense, and any shipping charges on returned items shall be paid by Purchaser or its customer. No collect shipments will be accepted unless authorized in writing in advance by Seller.

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, 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, see page T3.

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.



Initial Attack



Water Supply



Apparatus Equipment

Serve, Protect, Innovate



**24/7 Live
Tech Support**



**24 Hour Repair
Turnaround**



**H2knOw Video
Education Series**

Initial Attack Products Table of Contents

The RED category includes initial attack products such as fixed, selectable, and automatic handheld nozzles, foam injection and application equipment, related foam attachments, portable

monitors, flow test equipment, and accessories such as ball shut-offs, smoothbore tips, and specialty nozzles.



DUAL GALLONAGE NOZZLES

Twister SeriesR2 - R3

FIXED FLOW EQUIPMENT

Ball Valve SeriesR4 - R7
Smoothbore TipsR8 - R9
VIT (Valve Integral Tip) SeriesR10 - R11
VORTEX Nozzle SeriesR12 - R13
Metro 0, 1, 2 Nozzle SeriesR14 - R19
Working Fire Nozzle SeriesR20 - R21

SELECTABLE GALLONAGE NOZZLES

QuadraFog SeriesR22 - R24
ThunderFog SeriesR25 - R27

AUTOMATIC NOZZLES

Ultimatic SeriesR28 - R30
Mid-Matic SeriesR31 - R33
Mid-Force SeriesR34 - R35
Handline SeriesR36 - R39
Dual Force SeriesR40 - R43

SPECIALTY NOZZLES

Dry-Chem NozzlesR44
Dual Agent NozzlesR44
Folding Pistol GripsR45

FOAM EQUIPMENT

In-Line Eductor SeriesR46 - R48
Bubble Cup Nozzle SeriesR49 - R50
QuadraCup Nozzle SeriesR51
CAFS NozzlesR52
FoamJet NozzlesR53
FoamJet Attachment SeriesR53 - R56
Master Foam SeriesR57 - R61

FLOW TEST

SHO-FLOW Flow Meter SeriesR62 - R63
Pressure GaugesR64

HAND HELD ACCESSORIES

PlaypipesR65
Smoothbore InsertsR65
Gasket GrabberR65
Stream StraightenersR65

PORTABLE MONITOR NOZZLES

Max Series & FlipTip 2 SeriesR70 - R72

PORTABLE MONITORS

Blitzfire SeriesR66 - R69
Blitzfire Order AssistanceR73 - R74
Hemisphere SeriesR75 - R77

3/4" & 1" (19 & 25 mm) TWISTER SERIES

Dual Gallonage

The TWISTER series nozzles are selectable, dual gallonage, combination nozzles that are 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, and high flow fog. The rugged, economical nozzle also accepts the FJ-MX-D FoamJet multi-expansion foam aspirating attachment.



C1024
C1040
D1024
D1040

- Two flow settings at 100 psi (7 bar)
- All lightweight materials
- Hardcoat anodized aluminum
- Twist "off" position for positive shut-off



DS1024
DS1040



DS1024P
DS1040P

- Two flow settings at 100 psi (7 bar)
- All lightweight materials
- Hardcoat anodized aluminum
- Quick-change rear valve seat
- Stainless steel shut-off ball
- Twist "off" position for positive shut-off
- Pistol grip

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
C1024	3/4" GHT (19 mm)	10 and 24 GPM (37 and 90 l/min)	Knurled Rigid Base	No	4.00" (10.2 cm)	0.6 lb (0.3 kg)	\$89.00
C1040	3/4" GHT (19 mm)	10 and 40 GPM (37 and 150 l/min)	Knurled Rigid Base	No	4.00" (10.2 cm)	0.6 lb (0.3 kg)	\$89.00
D1024	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Knurled Rigid Base	No	4.00" (10.2 cm)	0.6 lb (0.3 kg)	\$89.00
D1040	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Knurled Rigid Base	No	4.00" (10.2 cm)	0.6 lb (0.3 kg)	\$89.00
DS1024	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Rocker Lug Swivel	No	6.25" (15.9 cm)	1.5 lb (0.7 kg)	\$305.00
DS1040	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Rocker Lug Swivel	No	6.25" (15.9 cm)	1.5 lb (0.7 kg)	\$305.00
DS1024P	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Rocker Lug Swivel	Yes	6.25" (15.9 cm)	1.9 lb (0.9 kg)	\$305.00
DS1040P	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Rocker Lug Swivel	Yes	6.25" (15.9 cm)	1.9 lb (0.9 kg)	\$305.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5 " (38 mm) TWISTER SERIES

Dual Gallonage

The TWISTER series nozzles are selectable, dual gallonage, combination nozzles that are 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, and high flow fog. The rugged, economical nozzle also accepts the FJ-MX-F FoamJet multi-expansion foam aspirating attachment.



F2060
F2095

- Two flow settings at 100 psi (7 bar)
- All lightweight materials
- Hardcoat anodized aluminum
- Twist "off" position for positive shut-off



FS2060
FS2095

- Two flow settings at 100 psi (7 bar)
- All lightweight materials
- Hardcoat anodized aluminum
- Quick-change rear valve seat
- Stainless steel shut-off ball
- Twist "off" position for positive shut-off



FS2060P
FS2095P

- Pistol grip

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
F2060	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Knurled Rigid Base	No	5.25" (13.3 cm)	1.2 lb (0.5 kg)	\$171.00
F2095	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Knurled Rigid Base	No	5.25" (13.3 cm)	1.2 lb (0.5 kg)	\$171.00
FS2060	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Rocker Lug Swivel	No	7.37" (18.7 cm)	2.4 lb (1.1 kg)	\$475.00
FS2095	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Rocker Lug Swivel	No	7.37" (18.7 cm)	2.4 lb (1.1 kg)	\$475.00
FS2060P	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Rocker Lug Swivel	Yes	7.37" (18.7 cm)	2.6 lb (1.2 kg)	\$475.00
FS2095P	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Rocker Lug Swivel	Yes	7.37" (18.7 cm)	2.6 lb (1.2 kg)	\$475.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

BALL VALVES

1.0" (25 mm) & 1.5" (38 mm)

The Ball Valves are lightweight, rugged valves that are designed for reliability. The valves give tip only nozzles a positive shut-off, or can be used for break-and-extend operations

- Available in 1" (25 mm) and 1.5" (38 mm)
- Waterways sized for optimal flow
- Optional NFPA colored handles and pistol grips, including a folding pistol grip
- All lightweight materials, hardcoat anodized aluminum
- Stainless steel shut-off ball
- Quick change rear valve seat



MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
D75DR	1.0" NH (25 mm)	1.0" NH (25 mm)	Knurled Rigid Base	No	3/4" (19 mm)	3.75" (9.5 cm)	0.9 lb (0.4 kg)	\$207.00
D75D	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	No	3/4" (19 mm)	3.75" (9.5 cm)	1.0 lb (0.5 kg)	\$207.00
D75DP	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Yes	3/4" (19 mm)	3.75" (9.5 cm)	1.3 lb (0.6 kg)	\$207.00
D100D	1.0" NH (25 mm)	1.0" NH (25 mm)	Knurled Swivel	No	1.0" (25 mm)	3.80" (9.7 cm)	1.4 lb (0.6 kg)	\$275.00
D100DP	1.0" NH (25 mm)	1.0" NH (25 mm)	Knurled Swivel	Yes	1.0" (25 mm)	3.80" (9.7 cm)	1.4 lb (0.6 kg)	\$275.00
F100F	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.0" (25 mm)	3.75" (9.5 cm)	1.5 lb (0.7 kg)	\$325.00
F100FP	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.0" (25 mm)	3.75" (9.5 cm)	1.7 lb (0.8 kg)	\$325.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

BALL VALVES

1.5" (38 mm)

The Ball Valves are lightweight, rugged valves that are designed for reliability. The valves give tip only nozzles a positive shut-off, or can be used for break-and-extend operations

- 1.5" (38 mm) inlet and outlet
- Rocker lug swivel inlet
- Waterways sized for optimal flow
- All lightweight materials, hardcoat anodized aluminum



F125F

- 1.25" (32 mm) waterway
- Quick change rear valve seat
- Stainless steel shut-off ball
- Compact tab style handle
- Handle color coded labels included



F125FP

- Pistol grip



F140F

- 1.375" (35 mm) waterway
- Quick change rear valve seat
- Stainless steel shut-off ball
- Compact tab style handle available



F140FP

- Pistol grip



H-VO

- 1.375" (35 mm) waterway
- Six detent flow positions
- Polymer shut-off ball



H-VOI

- Accepts F140SBI smoothbore inserts page 71
- Pistol grip

MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
F125F	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.25" (32 mm)	3.75" (9.5 cm)	1.5 lb (0.7 kg)	\$365.00
F125FP	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.25" (32 mm)	3.75" (9.5 cm)	1.7 lb (0.8 kg)	\$365.00
F140F	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	4.00" (10.2 cm)	2.2 lb (1.0 kg)	\$390.00
F140FP	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	4.00" (10.2 cm)	2.4 lb (1.1 kg)	\$390.00
Includes six detent flow positions and accepts F140SBI smoothbore insert kits found on page R65.								
H-VO	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	5.25" (13.3 cm)	2.6 lb (1.2 kg)	\$440.00
H-VOI	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	5.25" (13.3 cm)	2.8 lb (1.3 kg)	\$440.00

Color Ball Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

BALL VALVES

2.5" (64 mm)

The Ball Valves are lightweight, rugged valves that are designed for reliability. The valves give tip only nozzles a positive shut-off, or can be used for break-and-extend operations.

- Available in 2.5" (64 mm) x 1.5" (38 mm) and 2.5" (64 mm) x 2.5" (64 mm) versions
- 1.375" (35 mm) waterway
- Optional NFPA colored handles and pistol grips, including a folding pistol grip

- All lightweight materials, hardcoat anodized aluminum
- Quick change rear valve seat
- Stainless steel shut-off ball



MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
J140F	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	5.00" (12.7 cm)	2.7 lb (1.2 kg)	\$465.00
J140FP	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	5.00" (12.7 cm)	2.9 lb (1.3 kg)	\$465.00
J140J	2.5" NH (64 mm)	2.5" NH (64 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	7.18" (18.2 cm)	3.4 lb (1.5 kg)	\$620.00
J140JP	2.5" NH (64 mm)	2.5" NH (64 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	7.18" (18.2 cm)	3.7 lb (1.7 kg)	\$620.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

BALL VALVES

2.5" (64 mm)

The Ball Valves are lightweight, rugged valves that are designed for reliability. The valves give tip only nozzles a positive shut-off, can be used for break-and-extend operations, or where ever a high flow ball valve is desired.

- Available in 2.5" (64 mm) versions
- Waterways sized for optimal flow
- Optional NFPA colored pistol grips, including a folding pistol grip
- All lightweight materials, hardcoat anodized aluminum
- Six detent flow positions
- Polymer shut-off ball



H-2VO

- 2.5" (64 mm) inlet and 1.5" (38 mm) outlet
- 1.375" (35 mm) waterway
- Rocker lug swivel inlet
- Six detent flow positions
- Polymer shut-off ball
- Accepts F140SBI smoothbore inserts page R65



H-2VOI

- Pistol grip



H-3VONJ-NJ

- 2.5" (64 mm) inlet and outlet
- 2" (51 mm) waterway
- Rocker lug swivel inlet
- Six detent flow positions
- Polymer shut-off ball



H-3VOINJ-NJ

- Pistol grip

INCLUDES SIX DETENT FLOW POSITIONS AND ACCEPTS F140SBI Smoothbore INSERT KITS FOUND ON PAGE R65.

MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
H-2VO	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	5.25" (13.3 cm)	2.6 lb (1.2 kg)	\$515.00
H-2VOI	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	5.25" (13.3 cm)	2.8 lb (1.3 kg)	\$515.00

INCLUDES SIX DETENT FLOW POSITIONS.

MODEL	THREADS		INLET COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
H-3VONJ-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Rocker Lug Swivel	No	2.0" (51 mm)	7.18" (18.2 cm)	5.7 lb (2.6 kg)	\$790.00
H-3VOINJ-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Rocker Lug Swivel	Yes	2.0" (51 mm)	7.18" (18.2 cm)	5.9 lb (2.7 kg)	\$790.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

SMOOTHBORE TIPS

1.0" (25 mm) & 1.5" (38 mm)

- All lightweight materials
- Hardcoat anodized aluminum
- Flow Charts in US and Metric units laser engraved on most units



DSB

- Six smoothbore set black nylon
- Coupling hardcoat anodized aluminum with gasket
- Easily changeable tips



DSS3-ID through DSS6-ND



FSS3 through FSS12

MODEL	INLET FEMALE	ORIFICE	LENGTH	WEIGHT	LIST PRICE
DSB	1.0" NH (25 mm)	1/8", 3/16", 1/4", 5/16", 3/8", & 7/16" (3, 5, 6, 8, 10 & 11 mm)	3.37" (8.6 cm)	0.4 lb (0.2 kg)	\$42.00
DSS3-ID	1.0" NPSH (25 mm)	5/16" (8 mm)	2.80" (7.1 cm)	0.2 lb (0.1 kg)	\$66.00
DSS5-ND	1.0" NH (25 mm)	1/2" (13 mm)	2.80" (7.1 cm)	0.2 lb (0.1 kg)	\$66.00
DSS6-ID	1.0" NPSH (25 mm)	5/8" (16 mm)	2.80" (7.1 cm)	0.2 lb (0.1 kg)	\$66.00
DSS6-ND	1.0" NH (25 mm)	5/8" (16 mm)	2.80" (7.1 cm)	0.2 lb (0.1 kg)	\$66.00
FSS5	1.5" NH (38 mm)	1/2" (13 mm)	4.00" (10.2 cm)	0.4 lb (0.2 kg)	\$120.00
FSS6	1.5" NH (38 mm)	5/8" (16 mm)	4.00" (10.2 cm)	0.6 lb (0.3 kg)	\$120.00
FSS7	1.5" NH (38 mm)	3/4" (19 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00
FSS8	1.5" NH (38 mm)	7/8" (22 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00
FSS12	1.5" NH (38 mm)	15/16" (24 mm)	5.00" (12.7 cm)	0.5 lb (0.2 kg)	\$120.00
FSS9	1.5" NH (38 mm)	1.0" (25 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00
FSS3	1.5" NH (38 mm)	1-1/16" (27 mm)	5.00" (12.7 cm)	0.7 lb (0.3 kg)	\$120.00
FSS10	1.5" NH (38 mm)	1-1/8" (29 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00
FSS4	1.5" NH (38 mm)	1-3/16" (30 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00
FSS11	1.5" NH (38 mm)	1-1/4" (32 mm)	5.00" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00
FSS15075	1.5" NH (38 mm)	150 GPM @ 75 PSI	5.0" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00

SMOOTHBORE TIPS

1.5" (38 mm)



- With smooth inside taper
- 1.5" (38 mm) inlet thread is standard

FF151 through FF157

- All lightweight materials
- Hardcoat anodized aluminum
- Flow Charts in US and Metric units laser engraved on most units



FSNYSTACK



FS-2STACK



FS-22STACK



FS-3STACK

MODEL	INLET FEMALE	ORIFICE	LENGTH	WEIGHT	LIST PRICE
FF151	1.5" NH (38 mm)	1/2" (13 mm)	3.00" (7.6 cm)	0.22 lb (0.10 kg)	\$88.00
FF152	1.5" NH (38 mm)	5/8" (16 mm)	3.00" (7.6 cm)	0.22 lb (0.10 kg)	\$88.00
FF157	1.5" NH (38 mm)	7/8" (22 mm)	3.00" (7.6 cm)	0.22 lb (0.10 kg)	\$88.00
FF153	1.5" NH (38 mm)	15/16" (24 mm)	2.75" (7.0 cm)	0.20 lb (0.09 kg)	\$88.00
FF154	1.5" NH (38 mm)	1" (25 mm)	2.50" (6.4 cm)	0.17 lb (0.08 kg)	\$88.00
FF155	1.5" NH (38 mm)	1-1/8" (29 mm)	2.50" (6.4 cm)	0.14 lb (0.06 kg)	\$88.00
FF156	1.5" NH (38 mm)	1-3/16" (30 mm)	2.50" (6.4 cm)	0.13 lb (0.06 kg)	\$88.00
FSNYSTACK	1.5" NH (38 mm)	15/16" and 1/2" (24 mm and 13 mm)	6.62" (16.9 cm)	0.8 lb (0.4 kg)	\$151.00
FS-2STACK	1.5" NH (38 mm)	1-1/8" - 1.0" (29 mm - 25 mm)	5.2" (13.2 cm)	0.8 lb (0.4 kg)	\$151.00
FS-22STACK	1.5" NH (38 mm)	1-1/4" - 1-1/8" (32 mm - 29 mm)	5.2" (13.2 cm)	0.8 lb (0.4 kg)	\$151.00
FS-3STACK	1.5" NH (38 mm)	1-1/4, 1-1/8", 1.0" (32 mm, 29 mm and 25 mm)	8.50" (21.6 cm)	1.3 lb (0.6 kg)	\$181.00

VIT™ BALL VALVE SERIES

1.5" (38 mm)

The Valve Integral Tip (VIT) Series are a rugged valve with built-in smoothbore tip combination. The outlet thread protector can be quickly retracted with a simple turn to expose

the 1.5" (38 mm) outlet thread for tip only nozzle attachment or break-and-extend operations. Available with 1.5" (38 mm) or 2.5" (64 mm) full-time swivel inlet couplings.

- All lightweight materials
- Hardcoat anodized aluminum
- For use alone or with tip-only nozzles
- Thread protector rotates back to reveal 1.5" (38 mm) attachment threads
- For break-and-extend operations
- Six detent flow positions

HVIT BALL VALVE				
MODEL	INTERGAL SMOOTHBORE TIP ORIFICE SIZE	THREAD SIZE INLET REMOVABLE STREAM STRAIGHTENER	THREAD SIZE OUTLET RIGID W/THREAD PROTECTOR	LIST PRICE
HVIT11	7/8" (22 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVIT12	15/16" (24 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVIT13	1" (25 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVIT18	1-1/16" (27 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVIT14	1-1/8" (29 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVIT17	1-3/16" (30 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVIT15	1-1/4" (32 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVIT16	1-3/8" (35 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00



HVIT11

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- Integral stream straightener is removable
- Length: 9.26" (23.5 cm)
- Weight: 3.8 lb (1.7 kg)

HVIT BALL VALVE w/PISTOL GRIP				
MODEL	INTERGAL SMOOTHBORE TIP ORIFICE SIZE	THREAD SIZE INLET REMOVABLE STREAM STRAIGHTENER	THREAD SIZE OUTLET RIGID W/THREAD PROTECTOR	LIST PRICE
HVITG11	7/8" (22 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVITG12	15/16" (24 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVITG13	1" (25 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVITG18	1-1/16" (27 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVITG14	1-1/8" (29 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVITG17	1-3/16" (30 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVITG15	1-1/4" (32 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00
HVITG16	1-3/8" (35 mm)	1.5" NH (38 mm)	1.5" NH (38 mm)	\$545.00



HVITG11

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- Integral stream straightener is removable
- Length: 9.26" (23.5 cm)
- Weight: 4.1 lb (1.9 kg)

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

VIT™ BALL VALVE SERIES

2.5" (64 mm)

The Valve Integral Tip (VIT) Series are a rugged valve with built-in smoothbore tip combination. The outlet thread protector can be quickly retracted with a simple turn to expose

the 1.5" (38 mm) outlet thread for tip only nozzle attachment or break-and-extend operations. Available with 1.5" (38 mm) or 2.5" (64 mm) full-time swivel inlet couplings.

- All lightweight materials
- Hardcoat anodized aluminum
- For use alone or with tip-only nozzles
- Thread protector rotates back to reveal 1.5" (38 mm) attachment threads
- For break-and-extend operations
- Six detent flow positions

HVIT BALL VALVE

MODEL	INTERGAL SMOOTHBORE TIP ORIFICE SIZE	THREAD SIZE INLET REMOVABLE STREAM STRAIGHTENER	THREAD SIZE OUTLET RIGID W/THREAD PROTECTOR	LIST PRICE
HVIT21	7/8" (22 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVIT22	15/16" (24 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVIT23	1" (25 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVIT28	1-1/16" (27 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVIT24	1-1/8" (29 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVIT27	1-3/16" (30 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVIT25	1-1/4" (32 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVIT26	1-3/8" (35 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00



HVIT21

- 2.5" (64 mm) Rocker lug fulltime swivel inlet
- Integral stream straightener is removable
- Length: 9.26" (23.5 cm)
- Weight: 4.2 lb (1.9 kg)

HVIT BALL VALVE w/PISTOL GRIP

MODEL	INTERGAL SMOOTHBORE TIP ORIFICE SIZE	THREAD SIZE INLET REMOVABLE STREAM STRAIGHTENER	THREAD SIZE OUTLET RIGID W/THREAD PROTECTOR	LIST PRICE
HVITG21	7/8" (22 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVITG22	15/16" (24 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVITG23	1" (25 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVITG28	1-1/16" (27 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVITG24	1-1/8" (29 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVITG27	1-3/16" (30 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVITG25	1-1/4" (32 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00
HVITG26	1-3/8" (35 mm)	2.5" NH (64 mm)	1.5" NH (38 mm)	\$620.00



HVITG21

- 2.5" (64 mm) Rocker lug fulltime swivel inlet
- Integral stream straightener is removable
- Length: 9.41" (23.9 cm)
- Weight: 4.5 lb (2.0 kg)

Color Ball Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

VORTEX® SERIES

VORTEX® NOZZLES

A Smoothbore WITH A TWIST



The TFT VORTEX enhances the use of a smoothbore nozzle. With just a simple twist, the VORTEX moves from a hard hitting straight stream to a uniformly dispersed pattern without gating the valve and reducing the fire flow. Available in a tip only, with valve or with valve and grip. A complete range of smoothbore tips are offered separately.

TWO STREAM PATTERNS



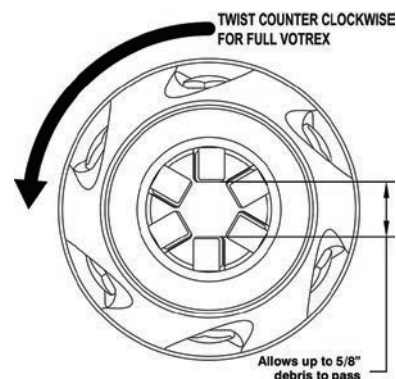
With a simple twist of the index ring, the VORTEX moves from a hard hitting straight stream to a uniformly dispersed pattern for protection, hydraulic ventilation or salvage/overhaul.

ANY Smoothbore



The VORTEX can be paired with any smoothbore up to 1 1/4" (32 mm) to use on a 1.5" (38 mm) up to a 2.5" (64 mm) hose line. Once the tip is installed onto the VORTEX, you're ready to operate the nozzle.

NO FLOW REDUCTION



Create a dispersed pattern without gating your valve and reducing your fire flow. In addition, VORTEX vanes are less obtrusive than a typical stream straightener, resulting in virtually no friction loss.

For additional information on the VORTEX Series of nozzles visit TFT.com

VORTEX® SERIES

The Vortex enhances the stream from a smoothbore nozzle. 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 on the water

to create a uniformly dispersed vortex stream pattern without reducing flow. Pivoting vanes have virtually no effect on the flow area and flow rate remains constant regardless of stream pattern.

- All lightweight materials
- Hardcoat anodized aluminum
- For use with smoothbore nozzles
- For use with water, foam solution or CAFS
- Six detent flow positions



SVFT

- 1.5" (38 mm) inlet and outlet
- Knurled rigid inlet
- No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve



SVFV

- 1.5" (38 mm) inlet and outlet
- Rocker lug swivel inlet
- Six detent flow positions
- 1.375" (35 mm) waterway



SVFG

- Pistol grip



SVFV-NJ

- 2.5" (64 mm) inlet and 1.5" (38 mm) outlet
- Rocker lug swivel inlet
- Six detent flow positions
- 1.375" (35 mm) waterway



SVFG-NJ

- Pistol grip

MODEL	THREADS		COUPLING	PISTOL GRIP	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
SVFT	1.5" NH (38 mm)	1.5" NH (38 mm)	Knurled Rigid	Tip Only	1.375" (35 mm)	4.55" (11.6 cm)	1.9 lb (0.9 kg)	\$570.00
SVFV	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	8.42" (21.4 cm)	3.8 lb (1.7 kg)	\$975.00
SVFG	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	8.42" (21.4 cm)	4.1 lb (1.9 kg)	\$975.00
SVFV-NJ	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	No	1.375" (35 mm)	8.57" (21.8 cm)	4.2 lb (1.9 kg)	\$1055.00
SVFG-NJ	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Yes	1.375" (35 mm)	8.57" (21.8 cm)	4.5 lb (2.0 kg)	\$1055.00

See pages R8-R9 for smooth bore tip options.

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.0" (25 mm) METRO™ 0 SERIES

Fixed Gallonage

The Metro™ 0 is Task Force Tips' lowest flow rate fixed (single) gallonage nozzle series for use on 1" (25 mm) hose lines. Available with bail type shut-off handle, or Impulse™ Trigger Valve System.

SERIES	INLET	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
ME0-***	1.0" NH (25 mm)	Knurled full-time swivel	No	9.00" (22.9 cm)	2.1 lb (1.0 kg)	\$850.00
ME0VPGI-***	1.0" NH (25 mm)	Knurled full-time swivel	Yes	9.00" (22.9 cm)	2.6 lb (1.2 kg)	\$850.00
ME0TPGI-***	1.0" NH (25 mm)	Knurled full-time swivel	Yes	11.25" (28.6 cm)	3.5 lb (1.6 kg)	\$850.00

METRO 0 — ORDERING MATRIX

METRO 0 1.0" NH (25 mm) FEMALE

M	E	0	-	A	B	C
---	---	---	---	---	---	---

METRO 0 W/GRIP 1.0" NH (25 mm) FEMALE

M	E	0	V	P	G	I	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---

METRO 0 W/TRIG 1.0" NH (25 mm) FEMALE

M	E	0	T	P	G	I	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---

A	B	C	GPM	PSI	LPM	BAR	K
0	2	3	20	75	75	5	2.3
0	4	6	40	75	151	5	4.6
0	6	9	60	75	227	5	6.9
0	2	0	20	100	75	7	2.0
0	4	0	40	100	151	7	4.0
0	6	0	60	100	227	7	6.0
1	0	0	100	100	378	7	10.0

Example: ME0VPGI-069 Would be Metro 0 with grip nozzle with a flow calibration disc of 60 gpm @ 75 psi (227 l/min @ 5 bar) and a K factor of 6.9

Flow calibration is specified at order entry per the ordering matrix. The specified flow calibration disc will be installed at the factory; the nozzle will NOT be sent with extra flow calibration discs.

- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Slide-type valve for turbulence-free flow control
- "Gasket Grabber" inlet screen
- Accepts FJ-U low expansion or FJ-UMX multi-expansion foam attachments



- Six detent flow position

ME0-***



- Pistol Grip

ME0VPGI-***



- Trigger operated slide valve with detent flow positions and lock

ME0TPGI-***

Folding pistol grip is not available on trigger models. Colored grip overlays are available. See page T2 for kits.

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information. Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) METRO™ 1 SERIES

Fixed Gallonage

The Metro™ 1 is the mid-range flow rate fixed (single) gallonage nozzle series for use on 1-1/2" (38 mm) hose lines. Available with tip only, twist style shut-off, bail type shut-off handle, or Impulse™ Trigger Valve System.



- Delivered with specified flow disc installed
- All lightweight materials
- Hardcoat anodized aluminum
- Molded rubber bumper "Power Fog" teeth or stainless steel spinning teeth
- Flush without shutting down
- Tip only does not shut-off and must be used with a separate valve
- "Gasket Grabber" inlet screen
- Optional colored pistol grip and handle covers
- Accepts FJ-HM, FJ-LX-HM low expansion or FJ-MX-HM multi-expansion foam attachments

SERIES	INLET	COUPLING	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
ME1TO-***	1.5" NH (38 mm)	Rigid Rocker Lug	Fixed Rubber	7.10" (18.0 cm)	2.4 lb (1.1 kg)	\$670.00
ME1TOS-***	1.5" NH (38 mm)	Rigid Rocker Lug	Stainless Steel Spinning	7.10" (18.0 cm)	2.4 lb (1.1 kg)	\$670.00

METRO 1 TIP 1.5" NH FEMALE

M	E	1	T	O	-	A	B	C
---	---	---	---	---	---	---	---	---

**NFPA 1964
COMPLIANT**

METRO 1 TIP 1.5" NH - SPINNING TEETH

M	E	1	T	O	S	-	A	B	C
---	---	---	---	---	---	---	---	---	---

METRO 1 TIP ONLY — ORDERING MATRIX

A	B	C	GPM	PSI	LPM	BAR	K
1	3	4	95	50	360	3	13.4
1	7	7	125	50	473	3	17.7
2	1	2	150	50	568	3	21.2
2	2	6	160	50	606	3	22.6
2	4	7	175	50	662	3	24.7
2	6	2	185	50	700	3	26.2
2	8	3	200	50	757	3	28.3
0	6	9	60	75	227	5	6.9
1	4	4	125	75	473	5	14.4

A	B	C	GPM	PSI	LPM	BAR	K
1	7	3	150	75	568	5	17.3
2	0	2	175	75	662	5	20.2
2	1	4	185	75	700	5	21.4
2	3	1	200	75	757	5	23.1
0	6	0	60	100	227	7	6.0
0	9	5	95	100	360	7	9.5
1	2	5	125	100	473	7	12.5
1	5	0	150	100	568	7	15.0
1	7	5	175	100	662	7	17.5

Flow calibration is specified at order entry per the ordering matrix. The specified flow calibration disc will be installed at the factory; the nozzle will NOT be sent with extra flow calibration discs.

1.5" (38 mm) METRO™ 1 SERIES

Fixed Gallonage

The Metro™ 1 is the mid-range flow rate fixed (single) gallonage nozzle series for use on 1-1/2" (38 mm) hose lines. Available as tip only, with twist style shut-off, bail type shut-off handle, or Impulse™ Trigger Valve System.

**NFPA 1964
COMPLIANT**



ME1STO-*
ME1STOS-*****

- 1.5" (38 mm) Rocker lug rigid inlet
- Twist Valve shut-off



ME1TPGI-*
ME1TPGIS-*****

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- Trigger operated slide valve with detent flow positions and lock



ME1V-*
ME1VS-*****

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- Six detent flow positions



ME1VPGI-*
ME1VPGIS-*****

- Pistol grip

Folding pistol grip is not available on trigger models. Colored grip overlays are available. See page T2 for kits.

See Ordering Matrix on Page R17

SERIES	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
ME1STO-***	No	Fixed Rubber	10.00" (25.4 cm)	3.4 lb (1.5 kg)	\$730.00
ME1STOS-***	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.4 lb (1.5 kg)	\$730.00
ME1V-***	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 kg)	\$970.00
ME1VS-***	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 kg)	\$970.00
ME1VPGI-***	Yes	Fixed Rubber	11.50" (29.2 cm)	4.9 lb (2.2 kg)	\$970.00
ME1VPGIS-***	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.9 lb (2.2 kg)	\$970.00
ME1TPGI-***	Yes	Fixed Rubber	13.00" (33.0 cm)	5.0 lb (2.3 kg)	\$970.00
ME1TPGIS-***	Yes	Stainless Steel Spinning	13.00" (33.0 cm)	5.0 lb (2.3 kg)	\$970.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information. Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) METRO™ 1 SERIES

Fixed Gallonage

METRO 1 TIP/TWIST-OFF 1.5" NH (38 mm) FEMALE

M	E	1	S	T	O	-	A	B	C
---	---	---	---	---	---	---	---	---	---

METRO 1 TIP/TWIST-OFF 1.5" NH (38 mm) FEMALE SPINNING TEETH

M	E	1	S	T	O	S	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---

METRO 1 NOZZLE 1.5" NH (38 mm) FEMALE

M	E	1	V	-	A	B	C
---	---	---	---	---	---	---	---

METRO 1 NOZZLE 1.5" NH (38 mm) FEMALE SPINNING TEETH

M	E	1	V	S	-	A	B	C
---	---	---	---	---	---	---	---	---

METRO 1 W/GRIP 1.5" NH (38 mm) FEMALE

M	E	1	V	P	G	I	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---

METRO 1 W/GRIP 1.5" NH (38 mm) FEMALE SPINNING TEETH

M	E	1	V	P	G	I	S	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---	---

METRO 1 W/TRIG 1.5" NH (38 mm) FEMALE

M	E	1	T	P	G	I	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---

METRO 1 W/TRIG 1.5" NH (38 mm) FEMALE SPINNING TEETH

M	E	1	T	P	G	I	S	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---	---

METRO 1 VALVED NOZZLE — ORDERING MATRIX

A	B	C	GPM	PSI	LPM	BAR	K
0	5	7	40	50	151	3	5.7
1	3	4	95	50	360	3	13.4
1	7	7	125	50	473	3	17.7
2	1	2	150	50	568	3	21.2
2	2	6	160	50	606	3	22.6
0	4	6	40	75	151	5	4.6
0	6	9	60	75	227	5	6.9
1	1	0	95	75	360	5	11.0
1	4	4	125	75	473	5	14.4
1	7	3	150	75	568	5	17.3

A	B	C	GPM	PSI	LPM	BAR	K
2	0	2	175	75	662	5	20.2
2	1	4	185	75	700	5	21.4
2	3	1	200	75	757	5	23.1
0	4	0	40	100	151	7	4.0
0	6	0	60	100	227	7	6.0
0	9	5	95	100	360	7	9.5
1	2	5	125	100	473	7	12.5
1	5	0	150	100	568	7	15.0
1	7	5	175	100	662	7	17.5
2	0	0	200	100	757	7	20.0

Flow calibration is specified at order entry per the ordering matrix.
The specified flow calibration disc will be installed at the factory;
the nozzle will NOT be sent with extra flow calibration discs.

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) METRO™ 2 SERIES

Fixed Gallonage

The Metro™ 2 is Task Force Tips' high flow rate fixed (single) gallonage nozzle series for use on 1.5" (38 mm) & 2.5" (64 mm) hose lines. Available as tip only, or with bail type shut-off handle.

**NFPA 1964
COMPLIANT**



ME2TO-***

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve

- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachments



ME2V-***

- 1.5" (38 mm) Rocker lug fulltime swivel inlet
- Polymer shutoff ball
- Six detent flow positions



ME2VPGI-***

- Pistol grip

See Ordering Matrix on Page R19

SERIES	INLET	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
ME2TO-***	1.5" NH (38 mm)	No	Fixed Rubber	7.60" (19.3 cm)	3.9 lb (1.8 kg)	\$755.00
ME2V-***	1.5" NH (38 mm)	No	Fixed Rubber	12.70" (32.3 cm)	6.4 lb (2.9 kg)	\$1055.00
ME2VPGI-***	1.5" NH (38 mm)	Yes	Fixed Rubber	12.70" (32.3 cm)	6.6 lb (3.0 kg)	\$1055.00
ME22TO-***	2.5" NH (64 mm)	No	Fixed Rubber	8.30" (21.1 cm)	4.2 lb (1.9 kg)	\$830.00
ME22V-***	2.5" NH (64 mm)	No	Fixed Rubber	13.60" (34.5 cm)	6.8 lb (3.1 kg)	\$1130.00
ME22VPGI-***	2.5" NH (64 mm)	Yes	Fixed Rubber	13.60" (34.5 cm)	7.0 lb (3.2 kg)	\$1130.00
ME2BLITZ-***	2.5" NH (64 mm)	No	Fixed Rubber	15.50" (39.4 cm)	9.7 lb (4.4 kg)	\$1385.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

2.5" (64 mm) METRO™ 2 SERIES

Fixed Gallonage



ME22TO-***

- 2.5" (64 mm) Rocker lug rigid inlet
- No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve



ME22V-***

- 2.5" (64 mm) Rocker lug fulltime swivel inlet
- Polymer shutoff ball
- Six detent flow positions



ME22VPGI-***

- Pistol grip



ME2BLITZ-***

- 2.5" (64 mm) Rocker lug fulltime swivel inlet
- Rubber coated playpipe handles

Flow calibration is specified at order entry per the ordering matrix. The specified flow calibration disc will be installed at the factory; the nozzle will NOT be sent with extra flow calibration discs.

METRO 2 1.5" (38 mm) ORDERING MATRIX

METRO 2 TIP - 1.5" NH (38 mm) FEMALE

M	E	2	T	O	-	A	B	C
---	---	---	---	---	---	---	---	---

METRO 2 - 1.5" NH (38 mm) FEMALE

M	E	2	V	-	A	B	C
---	---	---	---	---	---	---	---

METRO 2 W/GRIP - 1.5" NH (38 mm) FEMALE

M	E	2	V	P	G	I	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---

METRO 2 2.5" (64 mm) ORDERING MATRIX

METRO 2 TIP - 2.5" NH (64 mm) FEMALE

M	E	2	2	T	O	-	A	B	C
---	---	---	---	---	---	---	---	---	---

METRO 2 NOZZLE - 2.5" NH (64 mm) FEMALE

M	E	2	2	V	-	A	B	C
---	---	---	---	---	---	---	---	---

METRO 2 W/GRIP - 2.5" NH (64 mm) FEMALE

M	E	2	2	V	P	G	I	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---	---

METRO 2 PLAYPIPE - 2.5" NH (64 mm) FEMALE

M	E	2	B	L	I	T	Z	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---	---

A	B	C	GPM	PSI	LPM	BAR	K
2	6	2	185	50	700	3	26.2
3	5	4	250	50	946	3	35.4
1	4	4	125	75	473	5	14.4
2	1	3	185	75	700	5	21.4
2	3	1	200	75	757	5	23.1
2	8	9	250	75	946	5	28.9
0	9	5	95	100	360	7	9.5
1	7	5	175	100	662	7	17.5
2	5	0	250	100	946	7	25.0
3	2	5	325	100	1230	7	32.5

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information. Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) WORKING FIRE™ SERIES

Fixed Gallonage WITH Pressure Relief

WF WORKING FIRE™

FIXED FLOW NOZZLES
WITH PRESSURE RELIEF

**Now Available
in 2 Flows and
Pressures**

150 gpm @ 75 psi
160 gpm @ 50 psi

33% increase in flow = 33% increase in reaction force

TFT WORKING FIRE*

150 gpm = 65 lbs. Reaction Force
160 gpm = 69 lbs. Reaction Force
185 gpm = 80 lbs. Reaction Force
200 gpm = 87 lbs. Reaction Force

Pressure relief offers **significantly reduced
nozzle reaction force** at high flows.

*150 gpm @ 75 psi

33% increase in flow = 78% increase in reaction force

COMPETITOR'S FIXED NOZZLE*

150 gpm = 65 lbs. Reaction Force
160 gpm = 74 lbs. Reaction Force
185 gpm = 99 lbs. Reaction Force
200 gpm = 116 lbs. Reaction Force

Design causes **significantly higher
nozzle reaction force** at high flows.

*150 gpm @ 75 psi

Pairs with
150 gpm @ 75 psi
Working Fire Nozzle



FSS15075

Pairs with
160 gpm @ 50 psi
Working Fire Nozzle



FSS8

Hydraulically Match Your Working Fire Nozzle with a Smoothbore

MODEL	INLET	OUTLET	FLOW	LENGTH	WEIGHT	LIST PRICE
FSS15075	1.5" NH (38 mm)	.764" (19.4 mm)	150 gpm @ 75 psi	5.0" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00

MODEL	INLET	OUTLET	FLOW	LENGTH	WEIGHT	LIST PRICE
FSS8	1.5" NH (38 mm)	.875" (22 mm)	144 gpm @ 40psi 161 gpm @ 50psi 176 gpm @ 60psi	5.0" (12.7 cm)	0.6 lb (0.3 kg)	\$120.00

1.5" (38 mm) WORKING FIRE™ SERIES

Fixed Gallonage WITH Pressure Relief

Working Fire nozzle delivers revolutionary performance to the fixed GPM nozzle category. The Working Fire is a 150 gpm @ 75 psi (568 l/min @ 5 bar) or 160 gpm @ 50 psi (606 l/min @ 3.4 bar) fixed GPM nozzle that includes TFT's exclusive pressure relief at high flows to limit nozzle reaction.

At low flows, just like every other fixed GPM nozzle, it's clear from the stream quality that optimum flow has not yet been reached. For example when you achieve the

150 gpm (568 l/min) flow rate, the nozzle flows great and there is about 65 lbs (29 kg) of nozzle reaction force.

But when you need a lot more GPM, that's where the Working Fire excels. By integrating pressure relief, a 33% increase in flow rate only yields a 33% increase in reaction force. With the Working Fire nozzle, TFT is able to deliver high 200 gpm (757 l/min) with about 30 lbs (13.6 kg) less reaction force than competitive nozzles.



150 gpm @ 75 psi
WF1TF-173
WF1TFS-173

160 gpm @ 50 psi
WF1TF-226
WF1TFS-226

- 1.5" (38 mm) Non full-time swivel rocker lug inlet
- No shut-off valve. Must be used with a ball valve or VIT with a shut-off valve
- Accepts FJ-HM, FJ-LX-HM, FJ-MX-HM low and medium expansion foam attachments



- 1.5" (38 mm) Rocker lug full-time swivel inlet
- Stainless steel shut-off ball

- Accepts FJ-HM, FJ-LX-HM, FJ-MX-HM low and medium expansion foam attachments



150 gpm @ 75 psi
WF1VF-173
WF1VFS-173

160 gpm @ 50 psi
WF1VF-226
WF1VFS-226



150 gpm @ 75 psi
WF1GF-173
WF1GFS-173

160 gpm @ 50 psi
WF1GF-226
WF1GFS-226

- Pistol grip

Black is the standard color for the stream shaper, handle cover, and pistol grip (if so equipped). These items are also available in Blue, Red, and Yellow at time of order.

150 gpm @ 75 psi	160 gpm @ 50 psi	INLET	BALL VALVE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
WF1TF-173	WF1TF-226	1.5" NH (38 mm)	No	No	Fixed Power Fog	7.33" (18.6 cm)	2.2 lb (1.0 kg)	\$780.00
WF1TFS-173	WF1TFS-226	1.5" NH (38 mm)	No	No	Stainless Steel Spinning	7.33" (18.6 cm)	2.2 lb (1.0 kg)	\$780.00
WF1VF-173	WF1VF-226	1.5" NH (38 mm)	Yes	No	Fixed Power Fog	10.40" (26.4 cm)	4.4 lb (2.0 kg)	\$1085.00
WF1VFS-173	WF1VFS-226	1.5" NH (38 mm)	Yes	No	Stainless Steel Spinning	10.40" (26.4 cm)	4.4 lb (2.0 kg)	\$1085.00
WF1GF-173	WF1GF-226	1.5" NH (38 mm)	Yes	Yes	Fixed Power Fog	10.40" (26.4 cm)	4.7 lb (2.1 kg)	\$1085.00
WF1GFS-173	WF1GFS-226	1.5" NH (38 mm)	Yes	Yes	Stainless Steel Spinning	10.40" (26.4 cm)	4.7 lb (2.1 kg)	\$1085.00

1.0" (25 mm) QUADRAFOG® DQ40 SERIES

Selectable Gallonage

The QuadraFog DQ40 is selectable gallonage nozzle series for use on 1.0" (25 mm) hose lines. Available as tip only, or with bail type shut-off handle.

- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Metal cut fog teeth or spinning teeth
- Accepts FJ-DQ low expansion or the FJ-MX-DQ multi-expansion foam attachments



**DQ40
DQ40S**

- 1.0" (25 mm) Knurled rigid thread inlet
- Has an "OFF" position for break and extend operations



**DQS40
DQS40S**

- 1.0" (25 mm) Rocker lug swivel inlet
- Stainless steel shut-off ball
- Quick-change rear valve seat



**DQS40P
DQS40PS**

- Pistol grip

DQ40 SERIES 5-10-24-40 GPM (20-40-90-150 LPM)						
MODEL	INLET	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
DQ40	1.0" NH (25 mm)	No	Fixed Cut Metal	5.00" (12.7 cm)	1.3 lb (0.6 kg)	\$480.00
DQ40S	1.0" NH (25 mm)	No	Metal Spinning Teeth	5.00" (12.7 cm)	1.3 lb (0.6 kg)	\$480.00
DQS40	1.0" NH (25 mm)	No	Fixed Cut Metal	7.25" (18.4 cm)	2.0 lb (0.9 kg)	\$795.00
DQS40S	1.0" NH (25 mm)	No	Metal Spinning Teeth	7.25" (18.4 cm)	2.0 lb (0.9 kg)	\$795.00
DQS40P	1.0" NH (25 mm)	Yes	Fixed Cut Metal	7.25" (18.4 cm)	2.3 lb (1.0 kg)	\$795.00
DQS40PS	1.0" NH (25 mm)	Yes	Metal Spinning Teeth	7.25" (18.4 cm)	2.3 lb (1.0 kg)	\$795.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.0" (25 mm) QUADRAFOG® DQ60 SERIES

Selectable Gallonage

The QuadraFog DQ60 is selectable gallonage nozzle series for use on 1.0" (25 mm) hose lines. Available as tip only, or with bail type shut-off handle.



**DQ60
DQ60S**

- 1.0" (25 mm) Knurled rigid thread inlet
- Has an "OFF" position for break and extend operations

- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Metal cut fog teeth or spinning teeth
- Accepts FJ-DQ low expansion or the FJ-MX-DQ multi-expansion foam attachments



**DQS60
DQS60S**

- 1.0" (25 mm) Rocker lug swivel inlet
- Stainless steel shut-off ball
- Quick-change rear valve seat



**DQS60P
DQS60PS**

- Pistol grip

DQ60 SERIES 5-10-24-40-60 GPM (20-40-90-150-230 LPM)						
MODEL	INLET	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
DQ60	1.0" NH (25 mm)	No	Fixed Cut Metal	5.00" (12.7 cm)	1.3 lb (0.6 kg)	\$480.00
DQ60S	1.0" NH (25 mm)	No	Metal Spinning Teeth	5.00" (12.7 cm)	1.3 lb (0.6 kg)	\$480.00
DQS60	1.0" NH (25 mm)	No	Fixed Cut Metal	7.25" (18.4 cm)	2.0 lb (0.9 kg)	\$795.00
DQS60S	1.0" NH (25 mm)	No	Metal Spinning Teeth	7.25" (18.4 cm)	2.0 lb (0.9 kg)	\$795.00
DQS60P	1.0" NH (25 mm)	Yes	Fixed Cut Metal	7.25" (18.4 cm)	2.3 lb (1.0 kg)	\$795.00
DQS60PS	1.0" NH (25 mm)	Yes	Metal Spinning Teeth	7.25" (18.4 cm)	2.3 lb (1.0 kg)	\$795.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) QUADRAFOG® SERIES

Selectable Gallonage

The 30-60-95-125 gpm (110-230-360-470 l/min) QuadraFog is a selectable gallonage nozzle series for use on 1.5" (38 mm) hose lines. Available as tip only, or with bail type shut-off handle. Available in 100 psi (7 bar) or 75 psi (5 bar) rating.

- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Metal cut or stainless steel spinning fog teeth
- Accepts FJ-LX-FQ low expansion or the FJ-MX-FQ multi-expansion foam attachments

- Knurled rigid thread inlet
- Has an "OFF" position for break and extend operations



FQ125F
FQ125S
FQ125LF
FQ125LS

- Rocker lug swivel inlet
- Stainless steel shut-off ball valve
- Quick change rear valve seat



FQS125F
FQS125S
FQS125LF
FQS125LS

- Pistol grip



FQ125PF
FQ125PS
FQ125LPF
FQ125LPS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
FQ125F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	6.87" (17.5 cm)	2.4 lb (1.1 kg)	\$670.00
FQ125S	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	6.87" (17.5 cm)	2.4 lb (1.1 kg)	\$670.00
FQ125LF	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Cut Metal	6.87" (17.5 cm)	2.4 lb (1.1 kg)	\$670.00
FQ125LS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	6.87" (17.5 cm)	2.4 lb (1.1 kg)	\$670.00
FQS125F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	8.37" (21.3 cm)	3.4 lb (1.5 kg)	\$1010.00
FQS125S	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	8.37" (21.3 cm)	3.4 lb (1.5 kg)	\$1010.00
FQS125LF	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Cut Metal	8.37" (21.3 cm)	3.4 lb (1.5 kg)	\$1010.00
FQS125LS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	8.37" (21.3 cm)	3.4 lb (1.5 kg)	\$1010.00
FQS125PF	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Cut Metal	8.37" (21.3 cm)	3.6 lb (1.6 kg)	\$1010.00
FQS125PS	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	8.37" (21.3 cm)	3.6 lb (1.6 kg)	\$1010.00
FQS125LPF	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Fixed Cut Metal	8.37" (21.3 cm)	3.6 lb (1.6 kg)	\$1010.00
FQS125LPS	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Stainless Steel Spinning	8.37" (21.3 cm)	3.6 lb (1.6 kg)	\$1010.00

**NFPA 1964
COMPLIANT**



APPROVED
100 psi models only

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) THUNDERFOG® SERIES

Selectable Gallonage

The ThunderFog® 200 series of selectable gallonage nozzle has selectable flows of 30-60-95-125-150-200 gpm (110-230-360-470-570-750 l/min). The 200 series is an excellent choice for 1.5" (38 mm) or 1.75" (44 mm) hose lines. Available in 100 psi (7 bar) or 75 psi (5 bar) rating.

- NFPA Compliant
- All 100 psi (7 bar) nozzles are FM Approved
- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Metal cut or stainless steel spinning fog teeth
- Accepts FJ-MX-FT multi-expansion foam attachment

- Has an "OFF" position for break and extend operations
- Rigid rocker lug inlet



FT200F
FT200S
FT200LF
FT200LS

- Rocker lug swivel inlet
- Quick change rear valve seat
- Stainless steel shut-off ball valve



FTS200F
FTS200S
FTS200LF
FTS200LS

- Pistol grip



FTS200PF
FTS200PS
FTS200LPF
FTS200LPS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
FT200F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	8.25" (21 cm)	3.7 lb (1.7 kg)	\$775.00
FT200S	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	8.25" (21 cm)	3.7 lb (1.7 kg)	\$775.00
FT200LF	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Cut Metal	8.25" (21 cm)	3.7 lb (1.7 kg)	\$775.00
FT200LS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	8.25" (21 cm)	3.7 lb (1.7 kg)	\$775.00
FTS200F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	10.18" (25.9 cm)	5.6 lb (2.5 kg)	\$1185.00
FTS200S	1.5" NH (38 mm)	100 psi (9.7 bar)	No	Stainless Steel Spinning	10.18" (25.9 cm)	5.6 lb (2.5 kg)	\$1185.00
FTS200LF	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Cut Metal	10.18" (25.9 cm)	5.6 lb (2.5 kg)	\$1185.00
FTS200LS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	10.18" (25.9 cm)	5.6 lb (2.5 kg)	\$1185.00
FTS200PF	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Cut Metal	10.18" (25.9 cm)	5.8 lb (2.6 kg)	\$1185.00
FTS200PS	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	10.18" (25.9 cm)	5.8 lb (2.6 kg)	\$1185.00
FTS200LPF	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Fixed Cut Metal	10.18" (25.9 cm)	5.8 lb (2.6 kg)	\$1185.00
FTS200LPS	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Stainless Steel Spinning	10.18" (25.9 cm)	5.8 lb (2.6 kg)	\$1185.00

**NFPA 1964
COMPLIANT**



100 psi models only

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) THUNDERFOG® SERIES

Selectable Gallonage

The ThunderFog® 250 series selectable gallonage nozzle has selectable flows of 95-125-150-200-250 gpm (360-470-570-750-950 l/min). The 250 series is an excellent choice for 1.5" (38 mm) through 2.5" (64 mm) lines.

- NFPA Compliant
- FM Approved
- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Metal cut or stainless steel spinning fog teeth
- Accepts FJ-MX-FT multi-expansion foam attachment

- Has an "OFF" position for break and extend operations
- Rigid rocker lug inlet



FT250F
FT250S

- Rocker lug swivel inlet
- Quick change rear valve seat
- Stainless steel shut-off ball valve



FTS250F
FTS250S

- Pistol grip



FTS250PF
FTS250PS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
FT250F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	8.25" (21 cm)	3.7 lb (1.7 kg)	\$775.00
FT250S	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	8.25" (21 cm)	3.7 lb (1.7 kg)	\$775.00
FTS250F	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Cut Metal	10.18" (25.9 cm)	5.6 lb (2.5 kg)	\$1185.00
FTS250S	1.5" NH (38 mm)	100 psi (97 bar)	No	Stainless Steel Spinning	10.18" (25.9 cm)	5.6 lb (2.5 kg)	\$1185.00
FTS250PF	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Cut Metal	10.18" (25.9 cm)	5.8 lb (2.6 kg)	\$1185.00
FTS250PS	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	10.18" (25.9 cm)	5.8 lb (2.6 kg)	\$1185.00

**NFPA 1964
COMPLIANT**



Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

2.5" (64 mm) THUNDERFOG® SERIES

Selectable Gallonage

The ThunderFog® 250 series of selectable gallonage nozzle has a selectable flow settings of 95, 125, 150, 200, and 250 gpm @ 100 psi (360-470-570-750-950 l/min @ 7 bar). The 250 series is an excellent choice for 2.5" or 3" (64 or 76 mm) hose lines.

- NFPA Compliant
- FM Approved
- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Metal cut or stainless steel spinning fog teeth
- Accepts FJ-MX-FT multi-expansion foam attachment

- Has an "OFF" position for break and extend operations
- Rigid rocker lug inlet



JT250F
JT250S

- Rocker lug swivel inlet
- Stainless steel shut-off ball
- Quick change rear valve seat



JTS250F
JTS250S

- Pistol grip



JTS250PF
JTS250PS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
JT250F	2.5" NH (64 mm)	100 psi (7 bar)	No	Fixed Cut Metal	9.37" (23.8 cm)	4.7 lb (2.1 kg)	\$850.00
JT250S	2.5" NH (64 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	9.37" (23.8 cm)	4.7 lb (2.1 kg)	\$850.00
JTS250F	2.5" NH (64 mm)	100 psi (7 bar)	No	Fixed Cut Metal	11.40" (29.0 cm)	6.0 lb (2.7 kg)	\$1260.00
JTS250S	2.5" NH (64 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	11.40" (29.0 cm)	6.0 lb (2.7 kg)	\$1260.00
JTS250PF	2.5" NH (64 mm)	100 psi (7 bar)	Yes	Fixed Cut Metal	11.40" (29.0 cm)	6.3 lb (2.9 kg)	\$1260.00
JTS250PS	2.5" NH (64 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	11.40" (29.0 cm)	6.3 lb (2.9 kg)	\$1260.00
JTS250PPF	2.5" NH (64 mm)	100 psi (7 bar)	Playpipe	Fixed Cut Metal	15.40" (39.1 cm)	9.2 lb (4.2 kg)	\$1515.00
JTS250PPS	2.5" NH (64 mm)	100 psi (7 bar)	Playpipe	Stainless Steel Spinning	15.40" (39.1 cm)	9.2 lb (4.2 kg)	\$1515.00

**NFPA 1964
COMPLIANT**



APPROVED
Except Playpipe models



JTS250PPF
JTS250PPS

- Rubber coated playpipe handles
- Nozzle is attached to valve and is not removable

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.0" (25 mm) ULTIMATIC™ 125 SERIES

Automatic

The TFT ULTIMATIC 125 has an unprecedented flow range of 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar) or 10-100 gpm @ 75 psi (40-400 l/min @ 5 bar). The Ultimatic 125 series is an outstanding performer for 1" (25 mm) as well as 1.5" (38 mm) hose.

This nozzle is our recommendation for high pressure applications, on .75", 1.0" and 1.25" (19 mm, 25 mm and 32 mm) hose, up to 800 psi (55 bar).

- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-U or FJ-LX-U low expansion or FJ-UMX multi-expansion foam attachment



- 1.0" (25 mm) Knurled rigid thread inlet
- Tip does not shut-off and must be used with a separate valve

B-TO
BL-TO



- 1.0" NH (25 mm) full-time swivel knurled coupling
- Stainless steel slide valve

B-BH
BL-BH



- Pistol grip

B-BGH
BL-BGH

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
B-TO	1.0" NH (25 mm)	100 psi (7 bar)	No	Fixed Rubber	7.20" (18.3 cm)	1.5 lb (0.7 kg)	\$610.00
BL-TO	1.0" NH (25 mm)	75 psi (5 bar)	No	Fixed Rubber	7.20" (18.3 cm)	1.5 lb (0.7 kg)	\$610.00
B-BH	1.0" NH (25 mm)	100 psi (7 bar)	No	Fixed Rubber	9.00" (22.9 cm)	2.1 lb (1.0 kg)	\$1075.00
BL-BH	1.0" NH (25 mm)	75 psi (5 bar)	No	Fixed Rubber	9.00" (22.9 cm)	2.1 lb (1.0 kg)	\$1075.00
B-BGH	1.0" NH (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	9.00" (22.9 cm)	2.6 lb (1.2 kg)	\$1075.00
BL-BGH	1.0" NH (25 mm)	75 psi (5 bar)	Yes	Fixed Rubber	9.00" (22.9 cm)	2.6 lb (1.2 kg)	\$1075.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) ULTIMATIC 125 SERIES

Automatic

The TFT ULTIMATIC has an unprecedented flow range of 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar) or 10-100 gpm @ 75 psi (40-400 l/min @ 5 bar). The Ultimatic series is an outstanding performer for 1.5" (38 mm) hose.

This nozzle is our recommendation for high pressure applications, on .75", 1.0" and 1.25" (19 mm, 25 mm and 32 mm) hose, up to 800 psi (55 bar).

- All lightweight materials
- Hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-U or FJ-LX-U low expansion or FJ-UMX multi-expansion foam attachment



BTO-125
BTOL-125

- 1.5" (38 mm) rigid rocker lug coupling
- Tip does not shut-off and must be used with a separate valve or valved playpipe.



BH-125
BHL-125

- 1.5" NH (38 mm) full-time swivel rocker lug coupling
- Stainless steel slide valve



BGH-125
BGHL-125

- Pistol grip

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
BTO-125	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	8.50" (21.6 cm)	1.8 lb (0.7 kg)	\$660.00
BTOL-125	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	8.50" (21.6 cm)	1.8 lb (0.7 kg)	\$660.00
BH-125	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	10.50" (26.7 cm)	3.0 lb (1.4 kg)	\$1125.00
BHL-125	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	10.50" (26.7 cm)	3.0 lb (1.4 kg)	\$1125.00
BGH-125	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Rubber	10.50" (26.7 cm)	3.0 lb (1.4 kg)	\$1125.00
BGHL-125	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Fixed Rubber	10.50" (26.7 cm)	3.0 lb (1.4 kg)	\$1125.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.0" (25 mm) & 1.5" (38 mm) ULTIMATIC™ NOZZLES

Automatic With Impulse™ Trigger Valve System

The TFT ULTIMATIC With Impulse™ Trigger Valve System has wide flow range of 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar), or 10-100 gpm @ 75 psi (40-400 l/min @ 5 bar). The compact size, and reduced weight making this automatic nozzle an outstanding performer for 0.75" (19mm), 1" (25mm) or 1.5" (38mm) hose.

- Hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- Trigger operated slide valve with detent flow positions and lock
- Accepts FJ-U or FJ-LX-U low expansion or FJ-UMX multi-expansion foam attachment



B-BGT
BH-BGT*
BL-BGT

- 1.0" (25 mm) knurled fulltime swivel inlet
- Trigger Valve System
- Pistol grips available with NFPA color overlays



BGT-125
BGTL-125

- 1.5" (38 mm) rocker lug fulltime swivel inlet
- Trigger Valve System
- Pistol grips available with NFPA color overlays

B-BGT 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar)

BH-BGT 10-70 gpm @ 100 psi (40-250 l/min @ 7 bar)
*800 psi (55 bar Maximum shut pressure)

BL-BGT 10-100 gpm @ 75 psi (40-400 l/min @ 5 bar)

BGT-125 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar)

BGTL-125 10-100 gpm @ 75 psi (40-400 l/min @ 5 bar)

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
B-BGT	1.0" (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	\$1075.00
BH-BGT	1.0" (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	\$1075.00
BL-BGT	1.0" (25 mm)	75 psi (5 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	\$1075.00
BGT-125	1.5" (38 mm)	100 psi (7 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	\$1125.00
BGTL-125	1.5" (38 mm)	75 psi (5 bar)	Yes	Fixed Rubber	11.25" (28.6 cm)	3.5 lb (1.6 kg)	\$1125.00

Pistol Grip overlays are available in NFPA colors. See page T2 for ordering information.

1.5" (38 mm) MID-MATIC™ SERIES

Mid-Range Automatic

With a wide flow range of 70-200 gpm (260-760 l/min), the MID-MATIC can be used on 1.5" (38 mm), 1.75" (44 mm) and 2" (51 mm) hoses and has operational pressure choices of 100, 75 or 55 psi (7, 5 or 4 bar). MID-MATIC models are fully NFPA compliant, and are available in tip-only/ball shut-off configuration for break-apart operations, or with stainless steel slide valve, and optional colored pistol grip and handle covers.

- Hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" or stainless steel spinning fog teeth
- Stainless steel slide valve with detent flow control
- "Gasket Grabber" inlet screen
- Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment



- 1.5" (38 mm) Rigid rocker lug thread inlet
- Tip does not shut-off and must be used with a separate valve

HM-TO
HM-TOS

HML-TO
HML-TOS

HMK-TO
HMK-TOS



- 1.5" (38 mm) Rigid rocker lug thread inlet
- Tip has twist style shut-off valve

HM-STO
HM-STOS

HML-STO
HML-STOS

HMK-STO
HMK-STOS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HM-TO	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.3 lb (1.0 kg)	\$960.00
HM-TOS	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.3 lb (1.0 kg)	\$960.00
HML-TO	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.3 lb (1.0 kg)	\$960.00
HML-TOS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.3 lb (1.0 kg)	\$960.00
HMK-TO	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.3 lb (1.0 kg)	\$960.00
HMK-TOS	1.5" NH (38 mm)	55 psi (4 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.3 lb (1.0 kg)	\$960.00
HM-STO	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.5 lb (1.6 kg)	\$1160.00
HM-STOS	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.5 lb (1.6 kg)	\$1160.00
HML-STO	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.5 lb (1.6 kg)	\$1160.00
HML-STOS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.5 lb (1.6 kg)	\$1160.00
HMK-STO	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.5 lb (1.6 kg)	\$1160.00
HMK-STOS	1.5" NH (38 mm)	55 psi (4 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.5 lb (1.6 kg)	\$1160.00

NFPA 1964
COMPLIANT



100 psi models only

1.5" (38 mm) MID-MATIC™ SERIES

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" (38 mm), 1.75" (44 mm) and 2" (51 mm) hose.

- Hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" or stainless steel spinning fog teeth
- Stainless steel slide valve with detent flow control
- "Gasket Grabber" inlet screen
- Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment



- 1.5" NH (38 mm) full-time swivel rockert lug coupling
- Stainless steel slide valve

HM-V
HM-VS

HML-V
HML-VS

HMK-V
HMK-VS



- 1.5" NH (38 mm) full-time swivel rockert lug coupling
- Stainless steel slide valve
- Pistol grip

HM-VPGI
HM-VPGIS

HML-VPGI
HML-VPGIS

HMK-VPGI
HMK-VPGIS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HM-V	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 kg)	\$1330.00
HM-VS	1.5" NH (38 mm)	100 psi (7 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 kg)	\$1330.00
HML-V	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 kg)	\$1330.00
HML-VS	1.5" NH (38 mm)	75 psi (5 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 kg)	\$1330.00
HMK-V	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 kg)	\$1330.00
HMK-VS	1.5" NH (38 mm)	55 psi (4 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 kg)	\$1330.00
HM-VPGI	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.8 lb (2.2 kg)	\$1330.00
HM-VPGIS	1.5" NH (38 mm)	100 psi (7 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.8 lb (2.2 kg)	\$1330.00
HML-VPGI	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.8 lb (2.2 kg)	\$1330.00
HML-VPGIS	1.5" NH (38 mm)	75 psi (5 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.8 lb (2.2 kg)	\$1330.00
HMK-VPGI	1.5" NH (38 mm)	55 psi (4 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.8 lb (2.2 kg)	\$1330.00
HMK-VPGIS	1.5" NH (38 mm)	55 psi (4 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.8 lb (2.2 kg)	\$1330.00

NFPA 1964
COMPLIANT



APPROVED
100 psi models only

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) MID-MATIC™ SERIES

Mid-Range Automatic with Impulse™ Trigger Valve System

The TFT Mid-Matic With Impulse™ Trigger Valve System has wide flow range of 70-200 gpm @ 100 psi (260-760 l/min @ 7 bar), 70-200 gpm @ 75 psi (260-760 l/min @ 5 bar), 70-180 gpm @ 55 psi (260-680 l/min @ 4 bar), compact size, and reduced weight making this automatic nozzle an outstanding performer for 1.5" (38 mm), 1.75" (44 mm) and 2" (51 mm) hose.

- Hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth or stainless steel spinning teeth
- "Gasket Grabber" inlet screen
- Trigger operated slide valve with detent flow positions and lock
- Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment



- 1.5" (38 mm) fulltime swivel inlet
- Trigger operated slide valve with detent flow positions and lock
- Pistol grips available with NFPA color overlays

HM-TPGI
HM-TPGIS

HML-TPGI
HML-TPGIS

HMK-TPGI
HMK-TPGIS

NFPA 1964
COMPLIANT

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HM-TPGI	1.5" NH (38 mm)	100 psi (7 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1330.00
HM-TPGIS	1.5" NH (38 mm)	100 psi (7 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1330.00
HML-TPGI	1.5" NH (38 mm)	75 psi (5 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1330.00
HML-TPGIS	1.5" NH (38 mm)	75 psi (5 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1330.00
HMK-TPGI	1.5" NH (38 mm)	55 psi (4 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1330.00
HMK-TPGIS	1.5" NH (38 mm)	55 psi (4 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1330.00

Pistol Grip overlays are available in NFPA colors. See page T2 for ordering information.

1.5" (38 mm) MID-FORCE™ SERIES

Dual Pressure Automatic

With a wide flow range of 70-200 gpm (260-760 l/min) @ 100/55 psi (7/4 bar) or the low pressure version of 75/45 psi (5/3 bar) the Mid-Force series can be used on 1.5" (38 mm), 1.75" (44 mm) and 2" (51 mm) hose. This nozzle is equipped with a low pressure override which allows the nozzle to achieve greater flows at lower nozzle pressures.



HMD-TO
HMD-TOS

HMDL-TO
HMDL-TOS

- 1.5" (38 mm) rigid rocker lug thread inlet
- Tip does not shut-off and must be used with a separate valve



HMD-STO
HMD-STOS

HMDL-STO
HMDL-STOS

- 1.5" (38 mm) rigid rocker lug thread inlet
- Tip has twist style shut-off valve

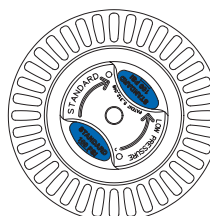
- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" or stainless steel spinning fog teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment



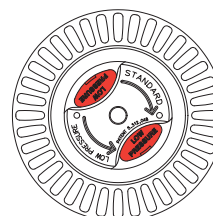
HMD-V
HMD-VS

HMDL-V
HMDL-VS

- 1.5" (38 mm) full-time swivel rocker lug thread inlet
- Stainless steel slide valve with detent flow control



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

**NFPA 1964
COMPLIANT**

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HMD-TO	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.5 lb (1.1 kg)	\$1110.00
HMD-TOS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.5 lb (1.1 kg)	\$1110.00
HMDL-TO	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	7.20" (18.3 cm)	2.5 lb (1.1 kg)	\$1110.00
HMDL-TOS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Stainless Steel Spinning	7.20" (18.3 cm)	2.5 lb (1.1 kg)	\$1110.00
HMD-STO	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.6 lb (1.6 kg)	\$1300.00
HMD-STOS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.6 lb (1.6 kg)	\$1300.00
HMDL-STO	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	10.00" (25.4 cm)	3.6 lb (1.6 kg)	\$1300.00
HMDL-STOS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Stainless Steel Spinning	10.00" (25.4 cm)	3.6 lb (1.6 kg)	\$1300.00
HMD-V	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 cm)	\$1525.00
HMD-VS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 cm)	\$1525.00
HMDL-V	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	11.50" (29.2 cm)	4.5 lb (2.0 cm)	\$1525.00
HMDL-VS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Stainless Steel Spinning	11.50" (29.2 cm)	4.5 lb (2.0 cm)	\$1525.00

1.5" (38 mm) MID-FORCE™ SERIES

Dual Pressure Automatic

With a wide flow range of 70-200 gpm (260-760 l/min) @ 100/55 psi (7/4 bar) or the low pressure version of 75/45 psi (5/3 bar) the Mid-Force series can be used on 1.5" (38 mm), 1.75" (44 mm) and 2" (51 mm) hose. This nozzle is equipped with a low pressure override which allows the nozzle to achieve greater flows at lower nozzle pressures.

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" or stainless steel spinning fog teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-LX-HM or FJ-HM low expansion or FJ-MX-HM multi-expansion foam attachment



- 1.5" NH (38 mm) full-time swivel rocker lug coupling
- Stainless steel slide valve
- Pistol grip

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

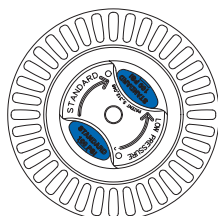


- 1.5" (38 mm) fulltime swivel inlet
- Trigger operated slide valve with detent flow positions and lock
- Pistol grips available with NFPA color overlays

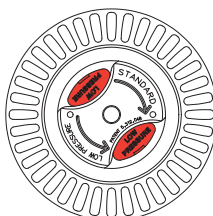
HMD-TPGI HMDL-TPGI
HMD-TPGIS HMDL-TPGIS

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HMD-VPGI	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.9 lb (2.2 kg)	\$1525.00
HMD-VPGIS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.9 lb (2.2 kg)	\$1525.00
HMDL-VPGI	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	11.50" (29.2 cm)	4.9 lb (2.2 kg)	\$1525.00
HMDL-VPGIS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Yes	Stainless Steel Spinning	11.50" (29.2 cm)	4.9 lb (2.2 kg)	\$1525.00
HMD-TPGI	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1525.00
HMD-TPGIS	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1525.00
HMDL-TPGI	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Trigger Valve	Fixed Rubber	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1525.00
HMDL-TPGIS	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Trigger Valve	Stainless Steel Spinning	13.00" (33.0 cm)	5.1 lb (2.3 kg)	\$1525.00

**NFPA 1964
COMPLIANT**



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) HANDLINE™ SERIES

Automatic

With a wide flow range of 95-300 gpm @ 100 psi (360-1150 l/min @ 7 bar) or the low pressure version 95-250 gpm @ 75 psi (360-950 l/min @ 5 bar) or the lower pressure version 95-225 gpm @ 55 psi (360-850 l/min @ 4 bar) the Handline series is an excellent choice for 1.5", 1.75", and 2.0" (38 mm, 44 mm and 51 mm) attack lines.

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment



H-T0

HL-T0
HK-T0

- 1.5" (38 mm) Rigid rocker lug inlet
- Tip does not shut-off and must be used with a separate valve



H-V

HL-V
HK-V

- 1.5" (38 mm) full-time swivel rocker lug thread inlet
- Stainless steel slide valve with detent flow control

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
H-T0	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	\$1100.00
HL-T0	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	\$1100.00
HK-T0	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	\$1100.00
H-V	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.8 lb (3.1 kg)	\$1490.00
HL-V	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.8 lb (3.1 kg)	\$1490.00
HK-V	1.5" NH (38 mm)	55 psi (4 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.8 lb (3.1 kg)	\$1490.00

Color Bail covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.

1.5" (38 mm) HANDLINE SERIES

Automatic

With a wide flow range of 95-300 gpm @ 100 psi (360-1150 l/min @ 7 bar) or the low pressure version 95-250 gpm @ 75 psi (360-950 l/min @ 5 bar) or the lower pressure version 95-225 gpm @ 55 psi (360-850 l/min @ 4 bar) the Handline series is an excellent choice for 1.5", 1.75", and 2.0" (38 mm, 44 mm and 51 mm) attack lines.

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment



H-VPGI

HL-VPGI
HK-VPGI

- 1.5" NH (38 mm) full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted below the valve



H-VPG

HL-VPG
HK-VPG

- 1.5" NH (38 mm) full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted behind the valve

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
H-VPGI	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	\$1490.00
HL-VPGI	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	\$1490.00
HK-VPGI	1.5" NH (38 mm)	55 psi (5 bar)	No	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	\$1490.00
H-VPG	1.5" NH (38 mm)	100 psi (7 bar)	No	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	\$1490.00
HL-VPG	1.5" NH (38 mm)	75 psi (5 bar)	No	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	\$1490.00
HK-VPGI	1.5" NH (38 mm)	55 psi (5 bar)	No	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	\$1490.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

2.5" (64 mm) HANDLINE™ SERIES

Automatic

With a wide flow range of 95-300 gpm @ 100 psi (360-1150 l/min @ 7 bar) or the low pressure version 95-250 gpm @ 75 psi (360-950 l/min @ 5 bar) allows the Handline to be used on many hose sizes, and this series is an excellent choice for 2.5" (64 mm) and 3" (76 mm) attack lines.



H-2TO
HL-2TO

- 2.5" (64 mm) Rigid rocker lug inlet
- Tip does not shut-off and must be used with a separate valve

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment



H-2V
HL-2V

- 2.5" NH (64 mm) full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control



H-2VPGI
HL-2VPGI
HK-2VPGI

- Pistol grip mounted below the valve

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
H-2TO	2.5" NH (64 mm)	100 psi (7 bar)	No	Fixed Rubber	10.25" (26.0 cm)	5.0 lb (2.3 kg)	\$1175.00
HL-2TO	2.5" NH (64 mm)	75 psi (5 bar)	No	Fixed Rubber	10.25" (26.0 cm)	5.0 lb (2.3 kg)	\$1175.00
H-2V	2.5" NH (64 mm)	100 psi (7 bar)	No	Fixed Rubber	13.50" (34.3 cm)	6.8 lb (3.1 kg)	\$1565.00
HL-2V	2.5" NH (64 mm)	75 psi (5 bar)	No	Fixed Rubber	13.50" (34.3 cm)	6.8 lb (3.1 kg)	\$1565.00
H-2VPGI	2.5" NH (64 mm)	100 psi (7 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	7.0 lb (3.2 kg)	\$1565.00
HL-2VPGI	2.5" NH (64 mm)	75 psi (5 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	7.0 lb (3.2 kg)	\$1565.00
HK-2VPGI	2.5" NH (64 mm)	55 psi (4 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	7.0 lb (3.2 kg)	\$1565.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

2.5" (64 mm) HANDLINE SERIES

Automatic

With a wide flow range of 95-300 gpm @ 100 psi (360-1150 l/min @ 7 bar) or the low pressure version 95-250 gpm @ 75 psi (360-950 l/min @ 5 bar) allows the Handline to be used on many hose sizes, and this series is an excellent choice for 2.5" (64 mm) and 3" (76 mm) attack lines.

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment



H-2VPG
HL-2VPG

- 2.5" NH (64 mm) full-time swivel rocker lug coupling
- Stainless steel slide valve with detent flow control
- Pistol grip mounted behind the valve



H-2BLITZ
HL-2BLITZ

- 2.5" NH (64 mm) full-time swivel rocker lug coupling
- Stainless steel slide valve with detent flow control
- Nozzle is attached to valve and is not removable.
- Rubber coated playpipe handles

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
H-2VPG	2.5" NH (64 mm)	100 psi (7 bar)	Yes	Fixed Rubber	18.40" (46.7 cm)	8.5 lb (3.9 kg)	\$1565.00
HL-2VPG	2.5" NH (64 mm)	75 psi (5 bar)	Yes	Fixed Rubber	18.40" (46.7 cm)	8.5 lb (3.9 kg)	\$1565.00
H-2BLITZ	2.5" NH (64 mm)	100 psi (7 bar)	Playpipe handles	Fixed Rubber	15.12" (38.4 cm)	12.0 lb (5.4 kg)	\$1820.00
HL-2BLITZ	2.5" NH (64 mm)	75 psi (5 bar)	Playpipe handles	Fixed Rubber	15.12" (38.4 cm)	12.0 lb (5.4 kg)	\$1820.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) DUAL-FORCE® SERIES

Dual Pressure Automatic

The Dual-Force is all conventional handlines in one. With a wide flow range of 95-300 gpm @ 100/55 psi (360-1150 l/min @ 7/4 bar) or the low pressure version of 95-250 gpm @ 75/45 psi (360-950 l/min @ 5/3 bar) the Dual-Force series is an excellent choice for 1.5", 1.75", and 2.0" (38 mm, 44 mm and 51 mm) attack lines. This nozzle is equipped with a low pressure override knob which allows the nozzle to achieve greater flows at lower nozzle pressures.

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment



HD-TO
HDL-TO

- 1.5" (38 mm) rigid rocker lug coupling
- Tip does not shut-off and must be used with a separate valve



HD-STO
HDL-STO

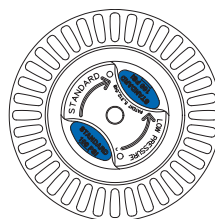
- 1.5" (38 mm) rigid rocker lug coupling
- Tip has twist style shut-off valve



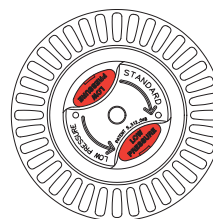
HD-V
HDL-V

- 1.5" (38 mm) Full-time swivel rocker lug coupling
- Stainless steel slide valve with detent flow control

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HD-TO	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	\$1230.00
HDL-TO	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	9.75" (24.8 cm)	4.4 lb (2.0 kg)	\$1230.00
HD-STO	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	11.00" (28.0 cm)	5.3 lb (2.4 kg)	\$1285.00
HDL-STO	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	11.00" (28.0 cm)	5.3 lb (2.4 kg)	\$1285.00
HD-V	1.5" NH (38 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.6 lb (3.0 kg)	\$1620.00
HDL-V	1.5" NH (38 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	13.00" (33.0 cm)	6.6 lb (3.0 kg)	\$1620.00



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.

1.5" (38 mm) DUAL-FORCE® SERIES

Dual Pressure Automatic

The Dual-Force is all conventional handlines in one. With a wide flow range of 95-300 gpm @ 100/55 psi (360-1150 l/min @ 7/4 bar) or the low pressure version of 95-250 gpm @ 75/45 psi (360-950 l/min @ 5/3 bar) the Dual-Force series is an excellent choice for 1.5", 1.75", and 2.0" (38 mm, 44 mm and 51 mm) attack lines. This nozzle is equipped with a low pressure override knob which allows the nozzle to achieve greater flows at lower nozzle pressures.

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment



HD-VPGI
HDL-VPGI

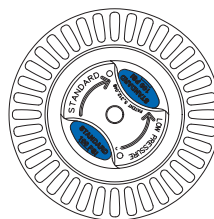
- 1.5" NH (38 mm) full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted below the valve



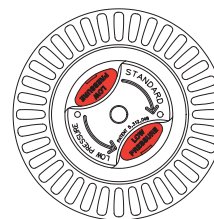
HD-VPG
HDL-VPG

- 1.5" NH (38 mm) full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted behind the valve

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HD-VPGI	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	\$1620.00
HDL-VPGI	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	13.00" (33.0 cm)	7.0 lb (3.2 kg)	\$1620.00
HD-VPG	1.5" NH (38 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	\$1620.00
HDL-VPG	1.5" NH (38 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	17.12" (43.5 cm)	8.7 lb (3.9 kg)	\$1620.00



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

2.5" (64 mm) DUAL-FORCE® SERIES

Dual Pressure Automatic

With a wide flow range of 95-300 gpm @ 100/55 psi (360-1150 l/min @ 7/4 bar) or the low pressure version of 95-250 gpm @ 75/45 psi (360-950 l/min @ 5/3 bar) the Dual-Force series is an excellent choice for 2.5" and 3" (64 & 76 mm) attack lines. This nozzle is equipped with a low pressure override knob which allows the nozzle to achieve greater flows at lower nozzle pressures.

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment



HD-2TO
HDL-2TO

- 2.5" (64 mm) rigid rocker lug coupling
- Tip does not shut-off and must be used with a separate valve



HD-2V
HDL-2V

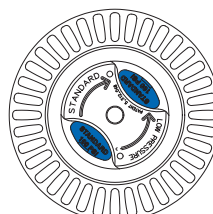
- 2.5" (64 mm) rigid rocker lug coupling
- Stainless Steel slide valve with detent flow control



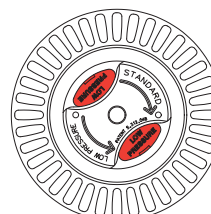
HD-2VPGI
HDL-2VPGI

- 2.5" (64 mm) Full-time swivel rocker lug coupling
- Stainless Steel slide valve with detent flow control
- Pistol grip mounted under valve

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HD-2TO	2.5" NH (64 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	10.50" (26.7 cm)	6.0 lb (2.7 kg)	\$1305.00
HDL-2TO	2.5" NH (64 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	10.50" (26.7 cm)	6.0 lb (2.7 kg)	\$1305.00
HD-2V	2.5" NH (64 mm)	100/55 psi (7/4 bar)	No	Fixed Rubber	13.50" (34.3 cm)	7.8 lb (3.5 kg)	\$1695.00
HDL-2V	2.5" NH (64 mm)	75/45 psi (5/3 bar)	No	Fixed Rubber	13.50" (34.3 cm)	7.8 lb (3.5 kg)	\$1695.00
HD-2VPGI	2.5" NH (64 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	8.0 lb (3.6 kg)	\$1695.00
HDL-2VPGI	2.5" NH (64 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	13.50" (34.3 cm)	8.0 lb (3.6 kg)	\$1695.00



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

2.5" (64 mm) DUAL-FORCE® SERIES

Dual Pressure Automatic

With a wide flow range of 95-300 gpm @ 100/55 psi (360-1150 l/min @ 7/4 bar) or the low pressure version of 95-250 gpm @ 75/45 psi (360-950 l/min @ 5/3 bar) the Dual-Force series is an excellent choice for 2.5" and 3" (64 & 76 mm) attack lines. This nozzle is equipped with a low pressure override knob which allows the nozzle to achieve greater flows at lower nozzle pressures.

- Lightweight hardcoat anodized aluminum
- Flush without shutting down
- Molded rubber bumper with "power fog" fog teeth
- "Gasket Grabber" inlet screen
- Accepts FJ-H low expansion or FJ-HMX multi-expansion foam attachment



HD-2VPG
HDL-2VPG

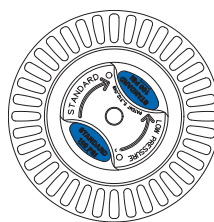
- 2.5" NH (64 mm) full-time swivel rocker lug coupling
- Stainless steel slide valve with detent flow control
- Pistol grip mounted behind the valve



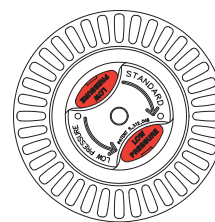
HD-2BLITZ
HDL-2BLITZ

- 2.5" NH (64 mm) full-time swivel rocker lug coupling
- Stainless steel slide valve with detent flow control
- Nozzle is attached to valve and is not removable
- Rubber coated playpipe handles

MODEL	INLET	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
HD-2VPG	2.5" NH (64 mm)	100/55 psi (7/4 bar)	Yes	Fixed Rubber	18.40" (46.7 cm)	9.0 lb (4.1 kg)	\$1695.00
HDL-2VPG	2.5" NH (64 mm)	75/45 psi (5/3 bar)	Yes	Fixed Rubber	18.40" (46.7 cm)	9.0 lb (4.1 kg)	\$1695.00
HD-2BLITZ	2.5" NH (64 mm)	100/55 psi (7/4 bar)	Playpipe handles	Fixed Rubber	15.12" (38.4 cm)	12.0 lb (5.4 kg)	\$1950.00
HDL-2BLITZ	2.5" NH (64 mm)	75/45 psi (5/3 bar)	Playpipe handles	Fixed Rubber	15.12" (38.4 cm)	12.0 lb (5.4 kg)	\$1950.00



Knob In
Standard Operating Mode



Knob In
Low Pressure Mode

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

SPECIALTY NOZZLES

The Dry Chemical nozzle is designed for an application rate of 5 pounds per second (2.3 kg/sec), utilizes the same slide-valve design as used for water application and a special front end designed for dry chemicals. Effective reach of the cloud is 75 feet (23 m) at full flow and proportionately less at the six partial valve settings.

The Dual Agent nozzle adds the B-BH Ultimatic nozzle with a flow range of 10-125 gpm @ 100 psi (40-500 l/min @ 7 bar) capable of straight stream to wide fog and accepts the FJ-U Foamjet attachment.

The Dual Agent Bubble Cup nozzle adds the DS1040BC with a flow range of 10 & 40 gpm @ 100 psi (37 & 150 l/min @ 7 bar) capable of straight stream, wide fog and aspirated foam.

Dual Agent nozzles are mounted on one pistol grip for ease of use.



BTFT-DC5
BTFT-DC5-ND

- 1.0" (25 mm) swivel inlet
- Six valve settings for flowing appropriate dry chemical agent
- Special front end includes the valve seat and a set of straightening fins
- No adjustment of pattern shape
- Tethered cap keeps out debris



B-DUAL
B-DUAL-ND

- 1.0" (25 mm) swivel inlets
- Six detent valve settings on both nozzles
- Dry chemical special front end includes the valve seat and a set of straightening fins
- Ultimatic is fully automatic pressure control and accepts FJ-U Foamjet attachment



B-DC1040BC

- 1.0" (25 mm) swivel inlets
- Six detent valve settings on the dry chemical nozzle
- Dry chemical special front end includes the valve seat and a set of straightening fins
- Bubble Cup is a dual gallonage foam aspirating nozzle with stainless steel shut-off ball and quick change rear valve seat

MODEL	INLET(S)	OPERATING PRESSURE	PISTOL GRIP	FOG TEETH	LENGTH	WEIGHT	LIST PRICE
BTFT-DC5	1.0" NPT (25 mm)	5 lbs / sec	Yes	No	8.00" (20.3 cm)	2.1 lb (1.0 kg)	\$580.00
BTFT-DC5-ND	1.0" NH (25 mm)	5 lbs / sec	Yes	No	8.00" (20.3 cm)	2.1 lb (1.0 kg)	\$580.00
B-DUAL	1.0" NPT (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	9.00" (22.9 cm)	3.0 lb (1.4 kg)	\$1920.00
B-DUAL-ND	1.0" NH (25 mm)	100 psi (7 bar)	Yes	Fixed Rubber	9.00" (22.9 cm)	3.0 lb (1.4 kg)	\$1920.00
B-DC1040BC	1.0" NH (25 mm)	100 psi (7 bar)	Yes	Built in Aspiration Head	9.00" (22.9 cm)	4.0 lb (1.8 kg)	\$1910.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

FOLDING PISTOL GRIP

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 insert
- NFPA color inserts are available
- Fits all TFT nozzles delivered after 03/01/2001
- New nozzles may be ordered with folding pistol grips installed at the factory



MODEL	FOLDING PISTOL GRIP KIT	LENGTH	WEIGHT	LIST PRICE
HM792-KIT	When ordered for an existing nozzle	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00
MODEL	WHEN ORDERED WITH A NEW NOZZLE	LENGTH	WEIGHT	LIST PRICE
HM792-DKIT	TWISTER, QuadraFog, Bubble Cup D- SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00
HM792-FKIT	TWISTER, QuadraFog, Bubble Cup F- SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00
HM792-FTKIT	FLIP-TIP SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00
HM792-GKIT	G-FORCE SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00
HM792-HKIT	HANDLINE / DUAL-FORCE / METRO 2 / VIT SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00
HM792-HMKIT	MIDMATIC / MID-FORCE / METRO 1 / VORTEX SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00
HM792-JKIT	ThunderFog J / WORKING FIRE SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00
HM792-UKIT	ULTIMATIC / METRO 0 SERIES	8.50" (21.6 cm)	1.7 lb (0.8 kg)	\$248.00

NFPA color inserts are available.

60, 95 & 125 EDUCTOR SERIES

In-line Foam Eductors

In-line Foam Eductors have a metering head with easy to read knob for use with Class A foam at .25% and .5% and with Class B foam at 1%, 3% and 6%. Your choice of extra large 36" (91 cm) pickup hose with stainless steel wand or direct truck connect pickup hose are ideal for use with high viscosity foams. The required inlet pressure is 200 psi (13.8 bar).

- Flush button for fast cleaning
- Removeable metering head
- Hardcoat anodized for corrosion protection
- Maximum allowable back pressure is 130 psi (8.9 bar)

See chart on next page for specifications

60 gpm



UE-060-NF

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-060-NJ-NF

- 2.5" (64 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-060-NF-01

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet

95 gpm



UE-095-NF

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-095-NJ-NF

- 2.5" (64 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-095-NF-01

UE-095-NF-02*

UE-095-NF-03

UE-095-NF-04**

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet

* 1" (25 mm) Male Cam Lock on Metering Head

** w/ 16" (40 cm) Stainless Steel Wand w/ 1" (25 mm) NHM fitting

125 gpm



UE-125-NF

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-125-NJ-NF
UE-125-NJNF2

- 2.5" (64 mm) female swivel inlet
- 1.5" (38 mm) male outlet



UE-125-NF-01

UE-125-NF-02*

UE-125-NF-03

- 1.5" (38 mm) female swivel inlet
- 1.5" (38 mm) male outlet

* 1" (25 mm) Male Cam Lock on Metering Head

60, 95 & 125 EDUCATOR SERIES

In-line Foam Educators

- -01 51" Pick Up Hose with 1" NHF Coupling
- -02 1" Male Camlock on Metering Head (no hose included)
- -03 51" Pick Up Hose with 1" Female Camlock
- -04 51" Pick Up Hose with 1" NHF coupling and removable pick up wand.
Also, metering knob does not have 0.25% or 0.5% mix ratio settings.

MODEL NUMBER	THREADS		INLET COUPLING	FLOW RATE @ INLET PRESSURE	FOAM MIX RATIO SETTINGS %	PICKUP HOSE		WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE				LENGTH / ID	END SIZE / STYLE		
UE-060-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	60 gpm @ 200 psi (227 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) / Stainless Steel Wand	4.5 lb (2.0 kg)	\$935.00
UE-060-NF-01	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	60 gpm @ 200 psi (227 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) NHF Swivel Rocker Lug	4.7 lb (2.1 kg)	\$960.00
UE-060-NJ-NF	2.5" NH (64 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	60 gpm @ 200 psi (227 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	4.7 lb (2.1 kg)	\$935.00
UE-095-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	4.5 lb (2.0 kg)	\$935.00
UE-095-NF-01	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) NHF Swivel Rocker Lug	4.7 lb (2.1 kg)	\$960.00
UE-095-NF-02	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	N/A	N/A	4.5 lb (2.0 kg)	\$935.00
UE-095-NF-03	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) Female Cam Lock	4.9 lb (2.2 kg)	\$960.00
UE-095-NF-04	1.5" NH (38 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) NHF Swivel Rocker Lug	5.7 lb (2.6 kg)	\$960.00
UE-095-NJ-NF	2.5" NH (64 mm)	1.5" NH (38 mm)	Full-time Swivel Rocker Lug	95 gpm @ 200 psi (360 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	5.0 lb (2.3 kg)	\$935.00
UE-125-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	4.7 lb (2.1 kg)	\$935.00
UE-125-NF-01	1.5" NH (38 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) NHF Swivel Rocker Lug	4.5 lb (2.0 kg)	\$960.00
UE-125-NF-02	1.5" NH (38 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	N/A	N/A	4.5 lb (2.0 kg)	\$935.00
UE-125-NF-03	1.5" NH (38 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	51" (1.3 m) 1" (25 mm)	1" (25 mm) Female Cam Lock	4.9 lb (2.2 kg)	\$960.00
UE-125-NJ-NF	2.5" NH (64 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	36" (91 cm) 1" (25 mm)	17" (43 cm) Stainless Steel Wand	5.0 lb (2.3 kg)	\$935.00
UE-125-NJNF2	2.5" NH (64 mm)	1.5" NH (38 mm)	Fulltime Swivel Rocker Lug	125 gpm @ 200 psi (473 l/min @ 13.8 bar)	0.25, 0.5, 1, 3, 6	56" (1.4 m) 1" (25 mm)	1" (25 mm) Storz	5.2 lb (2.4 kg)	\$960.00

250 & 350 EDUCTOR SERIES

In-line Foam Eductors

250 & 350 gpm (945 & 1325 l/min) in-line foam eductors have a metering head with easy to read knob for use with Class A foam at .5% and with Class B foam at 1%, 3% and 6%. Large 8' (2.4 m) long industrial grade, UV resistant, black pickup hose is ideal for use with high viscosity foams. Easy to read Go/NoGo gauge on outlet shows back pressure on eductor in PSI and BAR.

- Flush button for fast cleaning
- Removeable metering head
- Hardcoat anodized for corrosion protection
- 1" (25mm) male cam lock on metering head

250 gpm



UE-250-NJ
UE-250L-NJ

- Standard inlet pressure is 200 psi (13.8 bar)
- Maximum allowable back pressure is 130 psi (8.9 bar)
- Low inlet pressure is 150 psi (10.3 bar)
- Maximum allowable back pressure is 80 psi (5.5 bar)

350 gpm



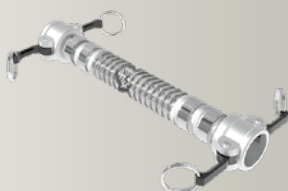
UE-350-NJ
UE-350L-NJ

- Standard inlet pressure is 200 psi (13.8 bar)
- Maximum allowable back pressure is 130 psi (8.9 bar)
- Low inlet pressure is 150 psi (10.3 bar)
- Maximum allowable back pressure is 80 psi (5.5 bar)

MODEL NUMBER	THREADS		INLET COUPLING	FLOW RATE @ INLET PRESSURE	FOAM MIX RATIO SETTINGS %	PICKUP HOSE		WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE				LENGTH/ ID	END SIZE/ STYLE		
UE-250-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Full-time Swivel Rocker Lug	250 gpm @ 200 psi (945 l/min @ 13.8 bar)	0.5, 1, 3, 6	8' (2.4 m) 1.25" (32 mm)	1" (25 mm) Cam Lock / Notched hose end	15.0 lb (6.8 kg)	\$1500.00
UE-250L-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Full-time Swivel Rocker Lug	250 gpm @ 150 psi (945 l/min @ 10.3 bar)	0.5, 1, 3, 6	8' (2.4 m) 1.25" (32 mm)	1" (25 mm) Cam Lock / Notched hose end	15.0 lb (6.8 kg)	\$1500.00
UE-350-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Full-time Swivel Rocker Lug	350 gpm @ 200 psi (1325 l/min @ 13.8 bar)	0.5, 1, 3, 6	8' (2.4 m) 1.25" (32 mm)	1" (25 mm) Cam Lock / Notched hose end	15.0 lb (6.8 kg)	\$1500.00
UE-350L-NJ	2.5" NH (64 mm)	2.5" NH (64 mm)	Full-time Swivel Rocker Lug	350 gpm @ 150 psi (1325 l/min @ 10.3 bar)	0.5, 1, 3, 6	8' (2.4 m) 1.25" (32 mm)	1" (25 mm) Cam Lock / Notched hose end	15.0 lb (6.8 kg)	\$1500.00
UE950	1.0" (25 mm) Single cam lock connection on 1.25" x 8' (32 mm x 2.4 m) long clear hose. Flexible for easy storage.							3.5 lb (1.6 kg)	\$345.00
UE951	1.0" (25 mm) Cam lock connection on both ends on 1.25" x 8' (32 mm x 2.4 m) long clear hose. Flexible for easy storage.							3.5 lb (1.6 kg)	\$345.00
UE960-KIT	1.5" (38 mm) Cam lock adapter. Attaches to 1" male cam lock on eductor metering head to adapt to 1.5" female cam lock hose.							0.4 lb (0.2 kg)	See page T2 for price



UE950



UE951



UE960-KIT

1.0" (25 mm) BUBBLE CUP® SERIES

Dual Gallonage Foam Nozzle

The Bubble Cup, 1.0" (25 mm) series, is a unique combination nozzle capable of producing aspirated foam, 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. 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.

- All lightweight materials
- Hardcoat anodized for corrosion protection



D1024BC
D1040BC

- Two flow settings at 100 psi (7 bar)
- Twist "off" position for positive shut-off



DS1024BC
DS1040BC

- Two flow settings at 100 psi (7 bar)
- Stainless steel shut-off ball
- Quick-change rear valve seat
- Twist "off" position for positive shut-off



DS1024BCP
DS1040BCP

- Two flow settings at 100 psi (7 bar)
- Stainless steel shut-off ball
- Quick-change rear valve seat
- Twist "off" position for positive shut-off
- Pistol grip

MODEL	INLET	FLOW SETTINGS @ 100 PSI (7 BAR)	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
D1024BC	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Knurled Rigid Base	No	4.00" - 6.00" (10.2 - 15.2 cm)	0.9 lb (0.4 kg)	\$228.00
D1040BC	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Knurled Rigid Base	No	4.00" - 6.00" (10.2 - 15.2 cm)	0.9 lb (0.4 kg)	\$228.00
DS1024BC	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Rocker Lug Swivel	No	6.37" - 8.37" (16.2 - 21.3 cm)	1.8 lb (0.8 kg)	\$445.00
DS1040BC	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Rocker Lug Swivel	No	6.37" - 8.37" (16.2 - 21.3 cm)	1.8 lb (0.8 kg)	\$445.00
DS1024BCP	1.0" NH (25 mm)	10 and 24 GPM (37 and 90 l/min)	Rocker Lug Swivel	Yes	6.37" - 8.37" (16.2 - 21.3 cm)	2.0 lb (0.9 kg)	\$445.00
DS1040BCP	1.0" NH (25 mm)	10 and 40 GPM (37 and 150 l/min)	Rocker Lug Swivel	Yes	6.37" - 8.37" (16.2 - 21.3 cm)	2.0 lb (0.9 kg)	\$445.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) BUBBLE CUP® SERIES

Single or Dual Gallonage Foam Nozzle

The Bubble Cup, 1.5" (38 mm) series, is a unique combination nozzle capable of producing aspirated foam, straight stream and a wide fog pattern. When the outer sleeve is in the retracted position, the nozzle operates as a standard single or dual gallonage straight stream/combination nozzle. 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.

- All lightweight materials
- Hardcoat anodized for corrosion protection
- Stainless steel shut-off ball (except tip-only models)



**F2060BC
F2095BC
F95BC**

- Two flow settings at 100 psi (7 bar)
- F95BC has single flow setting
- Twist "off" position for positive shut-off



**FS2060BC
FS2095BC
FS95BC**

- Two flow settings at 100 psi (7 bar)
- FS95BC has single flow setting
- Quick-change rear valve seat
- Twist "off" position for positive shut-off



**FS2060BCP
FS2095BCP
FS95BCP**

- Two flow settings at 100 psi (7 bar)
- FS95BCP has single flow setting
- Quick-change rear valve seat
- Twist "off" position for positive shut-off
- Pistol grip

MODEL	INLET	FLOW SETTINGS @ 100 PSI (7 BAR)	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
F2060BC	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Knurled Rigid Base	No	5.00" - 7.50" (12.7 - 19.1 cm)	1.7 lb (0.8 kg)	\$390.00
F2095BC	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Knurled Rigid Base	No	5.00" - 7.50" (12.7 - 19.1 cm)	1.7 lb (0.8 kg)	\$390.00
F95BC	1.5" NH (38 mm)	95 GPM (360 l/min)	Knurled Rigid Base	No	5.00" - 7.50" (12.7 - 19.1 cm)	1.7 lb (0.8 kg)	\$390.00
FS2060BC	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	\$585.00
FS2095BC	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	\$585.00
FS95BC	1.5" NH (38 mm)	95 GPM (360 l/min)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	\$585.00
FS2060BCP	1.5" NH (38 mm)	20 and 60 GPM (75 and 230 l/min)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	\$585.00
FS2095BCP	1.5" NH (38 mm)	20 and 95 GPM (75 and 360 l/min)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	\$585.00
FS95BCP	1.5" NH (38 mm)	95 GPM (360 l/min)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	\$585.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) QUADRACUP® SERIES

Selectable Gallonage Foam Nozzle

The Quadracup, 1.5" (38 mm) series, is a unique combination nozzle capable of producing aspirated foam, straight stream and a wide fog pattern. Four flow settings of 30, 60, 95, & 125 gpm (110, 230, 360 & 470 l/min) makes it an outstanding performer for 1.5" (38 mm) hose. When the outer sleeve is in the retracted position, the nozzle operates as a standard selectable

gallonage straight stream/combination nozzle. 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. 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.



FQ125BC
FQ125BCL

- Lightweight materials hardcoat anodized aluminum
- Flush without shutting down
- Twist "off" position for positive shut-off



FQS125BC
FQS125BCL

- Lightweight materials hardcoat anodized aluminum
- Flush without shutting down
- Quick-change rear valve seat
- Stainless steel shut-off ball



FQS125BCP
FQS125BCPL

- Lightweight materials hardcoat anodized aluminum
- Flush without shutting down
- Quick-change rear valve seat
- Stainless steel shut-off ball
- Pistol grip is mounted below the valve

**NFPA 1964
COMPLIANT**

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
FQ125BC	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar)	Knurled Rigid Base	No	5.00" - 7.25" (12.7 - 18.4 cm)	1.7 lb (0.8 kg)	\$705.00
FQ125BCL	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 75 psi (110, 230, 360 and 470 l/min @ 5 bar)	Knurled Rigid Base	No	5.00" - 7.25" (12.7 - 18.4 cm)	1.7 lb (0.8 kg)	\$705.00
FQS125BC	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	\$1045.00
FQS125BCL	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 75 psi (110, 230, 360 and 470 l/min @ 5 bar)	Rocker Lug Swivel	No	7.25" - 9.75" (18.4 - 24.8 cm)	3.0 lb (1.4 kg)	\$1045.00
FQS125BCP	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 100 psi (110, 230, 360 and 470 l/min @ 7 bar)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	\$1045.00
FQS125BCPL	1.5" NH (38 mm)	30, 60, 95, and 125 gpm @ 75 psi (110, 230, 360 and 470 l/min @ 5 bar)	Rocker Lug Swivel	Yes	7.25" - 9.75" (18.4 - 24.8 cm)	3.2 lb (1.5 kg)	\$1045.00

Color Bail Covers and Pistol Grips are available in NFPA colors. See page T2 for ordering information.
Folding Pistol Grip Kits with NFPA color inserts are available. See page R45 for ordering information.

1.5" (38 mm) CAFS NOZZLES

Automatic or Straight Tip 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. The extruded

aluminum alloy body shall be hardcoat anodized and nozzle shall have an automatic dual-pressure control that may be switched from standard low pressure (water application) to CAFS mode.



HMDC-TO

- 1.5" NH (38 mm) rigid rocker lug coupling
- Molded rubber bumper with "power fog" teeth or stainless steel spinning teeth
- Flush without shutting down
- Requires a ball valve shut-off
- NFPA 1964 Compliant



HDC-TO

- 1.5" NH (38 mm) rigid rocker lug coupling
- Molded rubber bumper with "power fog" teeth
- Flush without shutting down
- Requires a ball valve shut-off
- NFPA 1964 Compliant



FSS13-CAFS

- 1.5" NH (38 mm) swivel rocker lug coupling
- Hardcoat anodized aluminum
- Designed for compressed air foam (CAFS) application
- Tip is also suitable for water
- 1-3/8" (35 mm) orifice



JSS13-CAFS

- 2.5" NH (64 mm) swivel rocker lug coupling
- Hardcoat anodized aluminum
- Designed for compressed air foam (CAFS) application
- Tip is also suitable for water
- 1-3/8" (35 mm) orifice

MODEL	INLET	FLOW SETTINGS	COUPLING	PISTOL GRIP	LENGTH	WEIGHT	LIST PRICE
HMDC-TO	1.5" NH (38 mm)	70 - 200 gpm @ 75/45 psi (265 - 760 l/min @ 5/3 bar)	Rigid Rocker Lug	No	9.00" (22.9 cm)	6.6 lb (3.0 kg)	\$1110.00
HDC-TO	1.5" NH (38 mm)	95 - 250 gpm @ 100/75 psi (360 - 950 l/min @ 5/3 bar)	Rigid Rocker Lug	No	9.75" (24.8 cm)	8.2 lb (3.7 kg)	\$1230.00
FSS13-CAFS	1.5" NH (38 mm)	1 3/8" (35 mm) smooth tapered tip	Rocker Lug Swivel	No	10.45" (26.5 cm)	1.7 lb (0.8 kg)	\$186.00
JSS13-CAFS	2.5" NH (64 mm)	1 3/8" (35 mm) smooth tapered tip	Rocker Lug Swivel	No	10.91" (27.7 cm)	2.2 lbs (1.0 kg)	\$186.00

FOAM NOZZLES

Medium-Expansion Foam Nozzles

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 (227, 360, or 473 l/min) TFT eductor. A TFT F140 in-line ball valve can be ordered separately to provide shut-off capability.



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

- 1.5" NH (38 mm) swivel rocker lug coupling
- Hardcoat anodized aluminum
- Stainless steel mesh
- Black UV stabilized polyethylene construction

MODEL	FLOW RATE @ 60 PSI (4 BAR)	LENGTH	WEIGHT	LIST PRICE
FJ-MX-060-NF	60 gpm (227 l/min)	16.20" (41.1 cm)	3.0 lb (1.4 kg)	\$245.00
FJ-MX-095-NF	95 gpm (360 l/min)	16.20" (41.1 cm)	3.0 lb (1.4 kg)	\$245.00
FJ-MX-125-NF	125 gpm (473 l/min)	16.20" (41.1 cm)	3.0 lb (1.4 kg)	\$245.00

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 your TFT nozzle. 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. The attachment can be easily removed in seconds for a water-only or non-aspirated stream. FOAMJET is used in straight stream position only.

Constructed of molded rubber, stainless steel, and lightweight nickel plated aluminum.



FJ-DQ

- Fits 1" (25 mm) QuadraFog nozzle



FJ-U

- Fits Ultimatic and Metro 0 nozzles



FJ-HM

- Fits Mid-Matic, Mid-Force, Metro 1, and Working Fire nozzles



FJ-H

- Fits Handline, Dual-Force, and Metro 2 nozzles

MODEL	FITS NOZZLE	FRONT END	LENGTH	WEIGHT	LIST PRICE
FJ-DQ	QuadraFog 1" (25 mm)	Flexible Rubber	6.50" (16.5 cm)	1.2 lb (0.5 kg)	\$345.00
FJ-U	Ultimatic & Metro 0	Flexible Rubber	9.75" (24.8 cm)	1.2 lb (0.5 kg)	\$325.00
FJ-HM	Mid-Matic, Mid-Force, Metro 1 & Working Fire	Flexible Rubber	8.50" (21.6 cm)	2.6 lb (1.2 kg)	\$335.00
FJ-H	Handline, Dual-Force & Metro 2	Flexible Rubber	8.50" (21.6 cm)	2.6 lb (1.2 kg)	\$335.00

FOAMJET™

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.



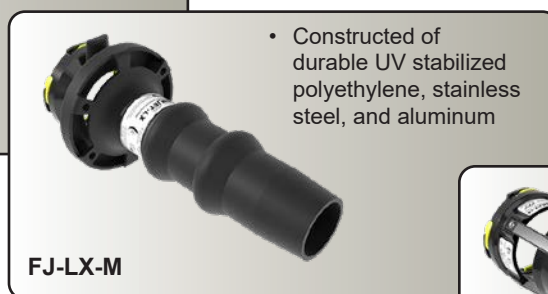
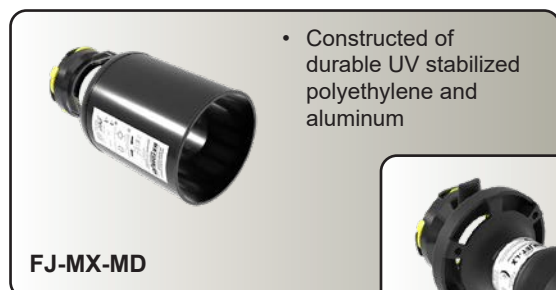
MODEL	FITS NOZZLE	LENGTH	WEIGHT	LIST PRICE
FJ-LX-FQ	QuadraFog 1.5" (38 mm)	20.20" (51.3 cm)	3.0 lb (1.4 kg)	\$375.00
FJ-LX-HM	Mid-Matic, Mid-Force, Metro 1 & Working Fire	20.20" (51.3 cm)	3.0 lb (1.4 kg)	\$375.00
FJ-LX-U	Ultimate & Metro 0	21.70" (55.1 cm)	3.0 lb (1.4 kg)	\$375.00

FOAMJET

Foam Attachment

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. Rotating the MX-FOAMJET gives you the expansion ratio and stream reach of the unique ability to vary finished foam. FOAMJET-LX is used in straight stream position only.



MODEL	FITS NOZZLE	LENGTH	WEIGHT	LIST PRICE
FJ-MX-MD	Max-Series and ZN Series Industrial Nozzles	16.20" (41.1 cm)	4.6 lb (2.1 kg)	\$720.00
FJ-LX-M	Master Stream 1000 & 1250S and Master Foam 250-750 gpm	25.30" (64.3 cm)	6.4 lb (2.9 kg)	\$775.00
FJ-LX-M2	Master Stream 1000 & 1250 with flush	26.03" (66.1 cm)	10.4 lb (4.7 kg)	\$775.00

FOAMJET™**Multi-Expansion Foam Attachment**

The MX-FOAMJET is a simple to attach, compact, lightweight, and rugged multi-expansion foam-aspirating attachment for your Task Force Tips nozzle. 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 MX-FOAMJET 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**

- Constructed of durable UV stabilized polyethylene and aluminum
- Fits 1" (25 mm) Twister nozzles

**FJ-MX-DQ**

- Constructed of durable UV stabilized polyethylene and aluminum
- Fits 1" (25 mm) QuadraFog nozzles

Note: Not intended to produce foam at 5 and 10 gpm (20 and 40 l/min) settings

**FJ-MX-F**

- Constructed of durable UV stabilized polyethylene and aluminum
- Fits 1-1/2" (38 mm) Twister nozzles

**FJ-MX-FQ**

- Constructed of durable UV stabilized polyethylene and aluminum
- Fits 1-1/2" (38 mm) QuadraFog nozzles

MODEL	FITS NOZZLE	DIAMETER	LENGTH	WEIGHT	LIST PRICE
FJ-MX-D	Twister 1" (25 mm) Series	5.2" (13.0 cm)	10.60" (26.9 cm)	1.4 lb (0.6 kg)	\$166.00
FJ-MX-DQ	Quadrafog 1" (25 mm) Series	7.4" (18.8 cm)	12.60" (32.0 cm)	2.2 lb (1.0 kg)	\$204.00
FJ-MX-F	Twister 1.5" (38 mm) Series	7.4" (18.8 cm)	12.60" (32.0 cm)	2.2 lb (1.0 kg)	\$204.00
FJ-MX-FQ	Quadrafog 1.5" (38 mm) Series	7.4" (18.8 cm)	15.20" (38.6 cm)	3.3 lb (1.5 kg)	\$445.00

FOAMJET™**Multi-Expansion Foam Attachment**

The MX-FOAMJET is a simple, lightweight multi-expansion foam-making attachment for your Task Force Tip nozzle. 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**

- Constructed of durable UV stabilized polyethylene and lightweight hardcoat anodized aluminum
- Fits ThunderFog nozzles

**FJ-MX-HM**

- Constructed of durable UV stabilized polyethylene and lightweight hardcoat anodized aluminum
- Fits Mid-Force, Mid-Matic, Metro 1, and Working Fire nozzles

NOTE: Will not fit fixed teeth models manufactured prior to 5/97 without bumper upgrade. (Free upgrade with purchase of FJ-MX-FT).

**FJ-UMX**

- Constructed of durable UV stabilized polyethylene and lightweight hardcoat anodized aluminum
- Fits Ultimatic and Metro 0 nozzles

**FJ-HMX**

- Constructed of durable UV stabilized polyethylene and lightweight hardcoat anodized aluminum
- Fits Handline, Dual-Force, and Metro 2 nozzles

MODEL	FITS NOZZLE	DIAMETER	LENGTH	WEIGHT	LIST PRICE
FJ-MX-FT	ThunderFog Series	8.6" (21.8 cm)	17.00" (43.2 cm)	5.2 lb (2.4 kg)	\$445.00
FJ-MX-HM	Mid-Force, Mid-Matic, Metro 1 & Working Fire Series	7.4" (18.8 cm)	15.40" (39.1 cm)	3.2 lb (1.5 kg)	\$445.00
FJ-UMX	Ultimatic & Metro 0 Series	7.4" (18.8 cm)	15.25" (38.7 cm)	3.2 lb (1.5 kg)	\$490.00
FJ-HMX	Handline, Dual-Force & Metro 2 Series	8.6" (21.8 cm)	15.62" (39.7 cm)	3.1 lb (1.4 kg)	\$495.00

MASTER FOAM™**Fixed GPM Self-Educting Foam Nozzles**

This fixed gallonage fog nozzle is available with your choice of 250, 350, 500 or 750 gpm @ 100 psi (950, 1300, 2000, 3000 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at .5%, 1%, 3%, or 6% with no small passages to clog.



- Stream shaper and body are hardcoat anodized aluminum
- Rubber bumper is UV resistant
- Accepts the FJ-LX-M FOAMJET low expansion air-aspirating attachment
- Z621 1.5" Cam lock dust cap is included
- Z625A Supply hose is included

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 (3 m x 38 mm) concentrate hose with two cam lock fittings for quick and secure attachment to the nozzle. The simple and basic design requires no grease or other maintenance.



Z625A
\$460.00
7.00 lb (3.20 kg)

Supply Hose: 1.5" (38 mm) Cam lock x 2.0" (51 mm) Cam lock. 1.5" dia. x 10 feet (38 mm x 3 m) long black concentrate hose, industrial grade, UV resistant

Z626
\$460.00
7.0 lb (3.2 kg)

Supply Hose: 1.5" (38 mm) Cam lock x 2.0" (51 mm) Cam lock. 2.0" dia. x 10 feet (51 mm x 3 m) long black concentrate hose, industrial grade, UV resistant.

MODEL	THREADS	FLOW	LENGTH	WEIGHT	LIST PRICE
ZMF10A	2.5"-7.5 NH (64 mm) Female	250 gpm @ 100 psi (950 l/min @ 7 bar) K-factor = 25	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF11A	2.5"-7.5 NH (64 mm) NH Female	350 gpm @ 100 psi (1300 l/min @ 7 bar) K-factor = 35	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF12A	2.5"-7.5 NH (64 mm) Female	500 gpm @ 100 psi (2000 l/min @ 7 bar) K-factor = 50	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF13A	2.5"-7.5 NH (64 mm) Female	750 gpm @ 100 psi (3000 l/min @ 7 bar) K-factor = 75	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF20A	2.5"-11 BSP (64 mm) Female	250 gpm @ 100 psi (950 l/min @ 7 bar) K-factor = 25	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF21A	2.5"-11 BSP (64 mm) Female	350 gpm @ 100 psi (1300 l/min @ 7 bar) K-factor = 35	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF22A	2.5"-11 BSP (64 mm) Female	500 gpm @ 100 psi (2000 l/min @ 7 bar) K-factor = 50	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF23A	2.5"-11 BSP (64 mm) Female	750 gpm @ 100 psi (3000 l/min @ 7 bar) K-factor = 75	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF30A	2.5"-11.5 NPSH (64 mm) Female	250 gpm @ 100 psi (950 l/min @ 7 bar) K-factor = 25	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF31A	2.5"-11.5 NPSH (64 mm) Female	350 gpm @ 100 psi (1300 l/min @ 7 bar) K-factor = 35	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF32A	2.5"-11.5 NPSH (64 mm) Female	500 gpm @ 100 psi (2000 l/min @ 7 bar) K-factor = 50	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF33A	2.5"-11.5 NPSH (64 mm) Female	750 gpm @ 100 psi (3000 l/min @ 7 bar) K-factor = 75	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF40A	2.5" (64 mm) Special Threads	250 gpm @ 100 psi (950 l/min @ 7 bar) K-factor = 25	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF41A	2.5" (64 mm) Special Threads	350 gpm @ 100 psi (1300 l/min @ 7 bar) K-factor = 35	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF42A	2.5" (64 mm) Special Threads	500 gpm @ 100 psi (2000 l/min @ 7 bar) K-factor = 50	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00
ZMF43A	2.5" (64 mm) Special Threads	750 gpm @ 100 psi (3000 l/min @ 7 bar) K-factor = 75	10.50" (26.7 cm)	7.3 lb (3.3 kg)	\$2205.00

MASTER FOAM™**Fixed GPM Self-Educting Foam Nozzles**

This fixed gallonage foam nozzle is available with your choice of 1000, 1250, 1500 or 2000 gpm @ 100 psi (3800, 4800, 5700 or 7700 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. A set of

calibrated foam orifice plates is included. Nozzle comes with a black industrial grade UV resistant, 10 feet long, 2" diameter (3 m x 51 mm) concentrate hose with two cam lock fittings for quick and secure attachment to the nozzle and foam supply. The simple and basic design requires no grease or other maintenance.

**ZMF14 - ZMF55**

- Folding handles for manual pattern control
- Hardcoat anodized aluminum for maximum resistance to corrosion and wear
- Z621 1.5" Cam lock dust cap is included
- Concentrate hose has one 1.5" (38 mm) and one 2.0" (51 mm) cam lock fittings

**ZMF16 - ZMF17**

- Folding handles for manual pattern control
- Hardcoat anodized aluminum for maximum resistance to corrosion and wear
- Z627 2" Cam lock dust cap is included
- Concentrate hose has two 2.0" (51 mm) cam lock fittings

MODEL	THREADS	FLOW	LENGTH	WEIGHT	LIST PRICE
1000 or 1250 gpm (3800 or 4800 l/min) Self-Educting Foam Nozzles					
ZMF14	2.5"-7.5 NH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	17.7 lb (8.0 kg)	\$2535.00
ZMF15	2.5"-7.5 NH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	17.7 lb (8.0 kg)	\$2535.00
ZMF44	2.5" (64 mm) Special Threads	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	17.7 lb (8.0 kg)	\$2535.00
ZMF45	2.5" (64 mm) Special Threads	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	17.7 lb (8.0 kg)	\$2535.00
ZMF54	3.5"- 6 NH (89 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	17.7 lb (8.0 kg)	\$2535.00
ZMF55	3.5"- 6 NH (89 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	17.7 lb (8.0 kg)	\$2535.00
1500 or 2000 gpm (5700 or 7700 l/min) Self-Educting Foam Nozzles					
ZMF16	3.5"-6 NH (89 mm) NH Coupling	1500 gpm @ 100 psi (5700 l/min @ 7 bar) K-factor = 150	11.38" (28.9 cm)	24.8 lbs (11.2 kg)	\$2535.00
ZMF17	3.5"-6 NH (89 mm) NH Coupling	2000 gpm @ 100 psi (7700 l/min @ 7 bar) K-factor = 200	11.38" (28.9 cm)	24.8 lbs (11.2 kg)	\$2535.00

MASTER FOAM™ ER

Fixed GPM Electric Remote Self-Educting Foam Nozzles

This fixed gallonage Master Foam ER foam nozzle is available with your choice of 1000 or 1250 gpm @ 100 psi (3800 or 4800 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. A set of calibrated foam orifice plates is included. Nozzle comes with a black industrial grade UV resistant, 10 feet long,

2" diameter (3 m x 51 mm) concentrate hose with 1.5" (38 mm) and 2" (51 mm) cam lock fittings for quick and secure attachment to the nozzle and foam supply. The simple and basic design requires no grease or other maintenance. 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 when used with a TFT RC Monitor.



- Includes override knob for manual pattern control
- Hardcoat anodized aluminum for maximum resistance to corrosion and wear
- ER - Non terminated wire
- ERP - Plug with Smart Stream Technology for use with TFT RC Monitors

ZMF14-* - ZMF35-*

MODEL	THREADS	FLOW	LENGTH	WEIGHT	SMART STREAM TECHNOLOGY	LIST PRICE
ZMF14-ER	2.5"-7.5 NH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF14-ERP	2.5"-7.5 NH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00
ZMF15-ER	2.5"-7.5 NH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF15-ERP	2.5"-7.5 NH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00
ZMF24-ER	2.5"-11 BSP (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF24-ERP	2.5"-11 BSP (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00
ZMF25-ER	2.5"-11 BSP (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF25-ERP	2.5"-11 BSP (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00
ZMF34-ER	2.5"-11.5 NPSH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF34-ERP	2.5"-11.5 NPSH (64 mm) Female	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00
ZMF35-ER	2.5"-11.5 NPSH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF35-ERP	2.5"-11.5 NPSH (64 mm) Female	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00

Continued on next page

MASTER FOAM™ ER

Fixed GPM Electric Remote Self-Educting Foam Nozzles

This fixed gallonage Master Foam ER foam nozzle is available with your choice of 1000 or 1250 gpm @ 100 psi (3800 or 4800 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. A set of calibrated foam orifice plates is included. Nozzle comes with a black industrial grade UV resistant, 10 feet long,

2" diameter (3 m x 51 mm) concentrate hose with 1.5" (38 mm) and 2" (51 mm) cam lock fittings for quick and secure attachment to the nozzle and foam supply. The simple and basic design requires no grease or other maintenance. 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 when used with a TFT RC Monitor.



ZMF44-* - ZMF55-*

- Includes override knob for manual pattern control
- Hardcoat anodized aluminum for maximum resistance to corrosion and wear
- ER - Non terminated wire
- ERP - Plug with Smart Stream Technology for use with TFT RC Monitors

Continued from previous page

MODEL	THREADS	FLOW	LENGTH	WEIGHT	SMART STREAM TECHNOLOGY	LIST PRICE
ZMF44-ER	2.5" (64 mm) Special Threads	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF44-ERP	2.5" (64 mm) Special Threads	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00
ZMF45-ER	2.5" (64 mm) Special Threads	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF45-ERP	2.5" (64 mm) Special Threads	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00
ZMF54-ER	3.5"-6 NH (89 mm) Coupling	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF54-ERP	3.5"-6 NH (89 mm) Coupling	1000 gpm @ 100 psi (3800 l/min @ 7 bar) K-factor = 100	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00
ZMF55-ER	3.5"-6 NH (89 mm) Coupling	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	NO	\$4310.00
ZMF55-ERP	3.5"-6 NH (89 mm) Coupling	1250 gpm @ 100 psi (4800 l/min @ 7 bar) K-factor = 125	10.70" (27.2 cm)	21.3 lb (9.7 kg)	YES	\$4310.00

MASTER FOAM™ ER

Fixed GPM Electric Remote Self-Educting Foam Nozzles

This fixed gallonage Master Foam ER foam nozzle is available with your choice of 1500 or 2000 gpm @ 100 psi (5700 or 7700 l/min @ 7 bar). Fog angle is user adjustable between 90° wide fog and straight stream. The nozzle's baffle is easily removed for flushing debris. The simple flow geometry can educt foam concentrate at 1% or 3% with no small passages to clog. A set of calibrated foam orifice plates is included. Nozzle comes with a black industrial grade UV resistant, 10 feet long, 2"

diameter (3 m x 51 mm) concentrate hose with two 2" (51 mm) cam lock fittings for quick and secure attachment to the nozzle and foam supply. The simple and basic design requires no grease or other maintenance. 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 when used with a TFT RC Monitor.



- Includes override knob for manual pattern control
- Hardcoat anodized aluminum for maximum resistance to corrosion and wear
- ER - Non-terminated wire
- ERP - Plug with Smart Stream Technology for use with TFT RC Monitors

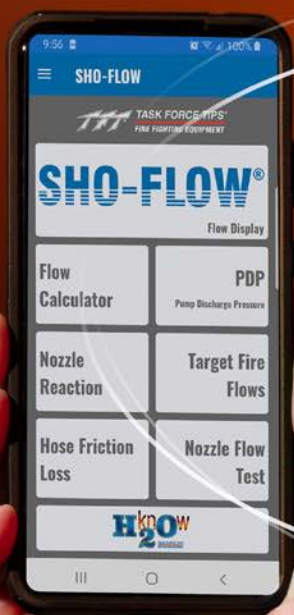
ZMF16-* - ZMF17-*

MODEL	THREADS	FLOW	LENGTH	WEIGHT	SMART STREAM TECHNOLOGY	LIST PRICE
ZMF16-ER	3.5"-6 NH (89 mm) Coupling	1500 gpm @ 100 psi (5700 l/min @ 7 bar) K-factor = 150	11.38" (28.9 cm)	29.8 lbs (13.5 kg)	NO	\$4310.00
ZMF16-ERP	3.5"-6 NH (89 mm) Coupling	1500 gpm @ 100 psi (5700 l/min @ 7 bar) K-factor = 150	11.38" (28.9 cm)	29.8 lbs (13.5 kg)	YES	\$4310.00
ZMF17-ER	3.5"-6 NH (89 mm) Coupling	2000 gpm @ 100 psi (7700 l/min @ 7 bar) K-factor = 200	11.38" (28.9 cm)	29.8 lbs (13.5 kg)	NO	\$4310.00
ZMF17-ERP	3.5"-6 NH (89 mm) Coupling	2000 gpm @ 100 psi (7700 l/min @ 7 bar) K-factor = 200	11.38" (28.9 cm)	29.8 lbs (13.5 kg)	YES	\$4310.00

FLOW TEST

SHO-FLOW® & SHO-FLOW® APP

The Know Your Flow Superior Combo



*Superior When
Combined,
Exceptional On
Their Own!*



SHO-FLOW® APP AND FLOW METER

- Alone it's a feature rich, full function flow calculator – the most comprehensive in the Fire Service

When integrated with TFT's SHO-FLOW Bluetooth Flow Meter ...

- Basic formula calculations become pinpoint accurate information used to better train firefighters, standardize operational flows, and simplify incident reporting
- Accurately Create PDPs and SOPs Across All Flow Operations
- Real Time View of Flow Rates and Totals

- Quickly and accurately determine the flow rate in a hose line, portable monitor, or deck gun

- No batteries or wires – rugged, compact and affordable

- Handles flow ranges from 50 to 1250 gpm (200 to 5000 l/min)

When integrated with TFT's SHO-FLOW App ...

- Totalizes and displays accurate flow rates in GPM, LPM, GPS, or LPS in real time

FREE APP DOWNLOAD
Search: SHO-FLOW



FLOW TEST

SHO-FLOW® BLUETOOTH® & SHO-FLOW® APP

The SHO-FLOW BLUETOOTH is a water flow meter that is designed for installation in between any two lengths of hose. Any firefighting, training, or testing operation that utilizes hose lines or nozzles is an application for a SHO-FLOW BLUETOOTH flow meter. The SHO-FLOW BLUETOOTH has no wires to connect and no batteries are needed.

The SHO-FLOW BLUETOOTH App is available to download for free through Apple or Android app stores. The app displays the flow in user-specifiable units and includes calibration, totalizer and diagnostic tools.



EFF-NFNF300

- Built in stream straightener
- Will pass debris up to 1" (25 mm) in diameter
- Choose units you want displayed from your smart device; gpm or l/min or l/sec



**EFJ-NJNJ500
EFJ-NJNJ1250**

- Built in stream straightener
- Will pass debris up to 1.7" (43 mm) in diameter
- Choose units you want displayed from your smart device; gpm or l/min or l/sec

MODEL	THREADS INLET X OUTLET	FLOW RANGE	LENGTH	WEIGHT	LIST PRICE
EFF-NFNF300	1.5" NH (38 mm) Female x 1.5" NH (38 mm) Male	50 - 300 gpm (200 - 1150 l/min)	6.10" (15.5 cm)	2.6 lb (1.2 kg)	\$1010.00
EFJ-NJNJ500	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	100 - 500 gpm (400 - 2000 l/min)	7.40" (18.8 cm)	4.5 lb (2.0 kg)	\$1515.00
EFJ-NJNJ1250	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	500 - 1250 gpm (2000 - 5000 l/min)	7.40" (18.8 cm)	4.5 lb (2.0 kg)	\$1515.00

NPSH or BSP threads are standard options. Call customer service for special threads.

FLOW TEST

Liquid-filled 0-200 psi (0-14 bar) or 0-300 psi (0-21 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 replaceable lens cover for the pressure gauge. Swivel inlet coupling and male outlet thread is standard.



F15G200
F15G300

- Gauge has protective ring and lens cover to resist damage
- Swivel inlet coupling



J25G200F
J25G300F

- Gauge has protective ring and lens cover to resist damage
- Swivel inlet coupling



J25G200S
J25G300S

- Gauge has protective ring and lens cover to resist damage
- Swivel inlet coupling
- +/- 20° pivoting outlet

MODEL	THREADS INLET AND OUTLET	IN-LINE PITOT TYPE GAUGE	LENGTH	WEIGHT	LIST PRICE
F15G200	1.5" NH (38 mm) Female x 1.5" NH (38 mm) Male	Liquid-filled 0-200 psi (0-14 bar) gauge	4.28" (10.9 cm)	1.8 lb (0.8 kg)	\$375.00
F15G300	1.5" NH (38 mm) Female x 1.5" NH (38 mm) Male	Liquid-filled 0-300 psi (0-21 bar) gauge	4.28" (10.9 cm)	1.8 lb (0.8 kg)	\$375.00
J25G200F	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	Liquid-filled 0-200 psi (0-14 bar) gauge	6.40" (16.3 cm)	3.7 lb (1.7 kg)	\$435.00
J25G300F	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male	Liquid-filled 0-300 psi (0-21 bar) gauge	6.40" (16.3 cm)	3.7 lb (1.7 kg)	\$435.00
J25G200S	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male Pivot	Liquid-filled 0-200 psi (0-14 bar) gauge	8.00" (20.3 cm)	4.4 lb (2.0 kg)	\$435.00
J25G300S	2.5" NH (64 mm) Female x 2.5" NH (64 mm) Male Pivot	Liquid-filled 0-300 psi (0-21 bar) gauge	8.00" (20.3 cm)	4.4 lb (2.0 kg)	\$435.00

HAND HELD ACCESSORIES

PLAYPIPES

- All lightweight materials
- Hardcoat anodized aluminum
- Rubber-coated, easy-grip handles designed to reduce fatigue



H-2VPP

- Six detent flow positions
- Polymer Ball-type shut-off
- Use with FS-3STACK stack tip set for compliance with NFPA 1901 equipment requirements



H-2PP

- No shut-off valve. Must be used with a nozzle with a shut-off valve

MODEL	Shut-off	THREADS		INLET COUPLING	LENGTH	WEIGHT	LIST PRICE
		INLET FEMALE	OUTLET MALE				
H-2VPP	Yes	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	9.37" (23.8 cm)	6.1 lb (2.8 kg)	\$955.00
H-2PP	No	2.5" NH (64 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	9.00" (22.9 cm)	5.1 lb (2.3 kg)	\$640.00



F140SBI

- All lightweight materials
- Changeover from one size to another requires no tools

Smoothbore Inserts

- FITS
- H-VO
 - H-VOI
 - H-2VO
 - H-2VOI
 - H-VIT
 - H-VITG
 - H-2VIT
 - H-2VITG
 - H-2VPPIT

MODEL	SMOOTHBORE INSERTS	LENGTH	WEIGHT	LIST PRICE
F140SBI	7/8", 15/16", 1", 1-1/8" (22 mm, 24 mm, 25 mm and 29 mm)	1.56" (4.0 cm)	0.2 lb (0.1 kg)	\$73.00



H-GG

- "Gasket Grabber"
- Inlet debris screen
 - All lightweight materials
 - Hardcoat anodized aluminum and stainless steel



H-SS



H-SS-NJ

- Straightens streams to provide greater reach with less turbulence.
- All lightweight materials
- Hardcoat anodized aluminum

MODEL	TYPE	THREADS		INLET COUPLING	LENGTH	WEIGHT	LIST PRICE
		INLET FEMALE	OUTLET MALE				
H-GG	Gasket Grabber	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Fixed	2.20" (5.6 cm)	0.6 lb (0.3 kg)	\$109.00
H-SS	Stream Straightener	1.5" NH (38 mm)	1.5" NH (38 mm)	Knurled Fixed	1.87" (4.7 cm)	0.4 lb (0.2 kg)	\$109.00
H-SS-NJ	Stream Straightener	2.5" NH (64 mm)	2.5" NH (64 mm)	Rocker Lug Fixed	3.05" (7.7 cm)	1.1 lb (0.5 kg)	\$129.00

BLITZFIRE®**Portable Monitor with Safety Shut-off Valve**

TFTs' Blitzfire is a simple, light, and highly maneuverable attack monitor. The low elevation angle makes it suitable for use indoors. If the Blitzfire starts to slide or lift, the SAFETY Shut-off VALVE automatically shuts off the flow of water. 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 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 and stair landings. Folding legs have replaceable carbide tipped spikes. An anchor strap is included for safe operation.



XX111A
\$3485.00
 22.0 lb (10.0 kg)
 29.5"L x 8.1"W x 8.5"H
 (74.9 x 20.6 x 21.6 cm) stowed

- Flows up to 500 gpm (2000 l/min)
- Body is hardcoat anodized aluminum
- Blue TFT powder coat finish inside and out
- Six detent flow positions with a turbulence free slide valve
- Elevation is manually adjustable between 10 and 46 degrees above horizontal
- Horizontal rotation is manually adjustable 20 degrees either side of center
- Outlet has built-in stream shaper
- Standard inlet is 2.5" NH (64 mm) swivel rocker lug coupling. Standard outlet is 2.5" NH (64 mm) rigid male threads

MODEL	BLITZFIRE PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XXC-32	BLITZFIRE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	YES	\$4775.00
XXC-32NB	BLITZFIRE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	NO	\$4775.00
XXC-42	BLITZFIRE MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet)	YES	\$4160.00
XXC-42NB	BLITZFIRE MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet)	NO	\$4160.00
XXC-52	BLITZFIRE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet)	YES	\$5225.00
XXC-52NB	BLITZFIRE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet)	NO	\$5225.00



XX-B
\$205.00
 3.40 lb
 (1.50kg)

- Stainless steel and hardcoat aluminum
- Can be mounted for rapid deployment of a pre-connected Blitzfire.
- Mounts on any accessible vertical or horizontal surface.
- 20"L x 8.5"W x 2"H
(50.8 x 21.6 x 5.1 cm)

BLITZFIRE® OSC***Oscillating Portable Monitor with Safety Shut-off Valve***

TFTs' Blitzfire is a simple, light, and highly maneuverable attack monitor. The low elevation angle makes it suitable for use indoors. If the Blitzfire starts to slide or lift, the SAFETY Shut-off VALVE automatically shuts off the flow of water. 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 discharge pivots make directing the stream extremely quick and effortless. A unique up/down pivot on the hose inlet allows the monitor to have stability even on porches and stair landings. Folding legs have replaceable carbide tipped spikes. An anchor strap is included for safe operation.



XX211A
\$4665.00

31.00 lb (14.10 kg)

34.8"L x 10.5"W x 9.6"H

(88.4 x 26.7 x 24.4 cm) stowed

- Flows up to 500 gpm (2000 l/min)
- Nozzle automatically sweeps 10, 15, or 20 degrees either side of center
- Oscillation can be disengaged for manual horizontal movement
- Body is hardcoat anodized aluminum
- Blue TFT powder coat finish inside and out
- Six detent flow positions with a turbulence free slide valve
- Elevation is manually adjustable between 10 and 46 degrees above horizontal
- Standard inlet is 2.5" NH (64 mm) swivel rocker lug coupling. Standard outlet is 2.5" NH (64 mm) rigid male threads

Add Oscillating Feature to an existing Blitzfire.

Contact Service Department at 1-800-348-2686.

MODEL	BLITZFIRE OSC PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XXC-33	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	YES	\$5980.00
XXC-33NB	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	NO	\$5980.00
XXC-43	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	YES	\$5560.00
XXC-43NB	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	NO	\$5560.00
XXC-53	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	YES	\$6450.00
XXC-53NB	BLITZFIRE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	NO	\$6450.00



XX-B
\$205.00
3.40 lb
(1.50kg)

- Stainless steel and hardcoat aluminum
- Can be mounted for rapid deployment of a pre-connected Blitzfire.
- Mounts on any accessible vertical or horizontal surface.
- 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1 cm)

BLITZFIRE® HE**High Elevation Portable Monitor with Safety Shut-off Valve**

TFTs' Blitzfire is a simple, light, and highly maneuverable attack monitor. The low elevation angle makes it suitable for use indoors. If the Blitzfire starts to slide or lift, the SAFETY Shut-off VALVE automatically shuts off the flow of water. 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 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 and stair landings. Folding legs have replaceable carbide tipped spikes. An anchor strap is included for safe operation.

**XX111A-HE****\$3810.00****26.80 lb (12.20 kg)****32"L x 8.1"W x 8.5"H****(81.3 x 20.6 x 21.6 cm) stowed**

- Flows up to 500 gpm (2000 l/min)
- Elevation is manually adjustable between 10 and 86 degrees above horizontal
- Body is hardcoat anodized aluminum
- Blue TFT powder coat finish inside and out
- Six detent flow positions with a turbulence free slide valve
- Horizontal rotation is manually adjustable 20 degrees either side of center
- Outlet has built-in stream shaper
- Standard inlet is 2.5" NH (64 mm) swivel rocker lug coupling. Standard outlet is 2.5" NH (64 mm) rigid male threads

MODEL	BLITZFIRE HE PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XXC-32-HE	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	YES	\$5110.00
XXC-32-HENB	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	NO	\$5110.00
XXC-42-HE	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet)	YES	\$4485.00
XXC-42-HENB	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet)	NO	\$4485.00
XXC-52-HE	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet)	YES	\$5615.00
XXC-52-HENB	BLITZFIRE HE MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet)	NO	\$5615.00

**XX-B****\$205.00****3.40 lb****(1.50kg)**

- Stainless steel and hardcoat aluminum
- Can be mounted for rapid deployment of a pre-connected Blitzfire.
- Mounts on any accessible vertical or horizontal surface.
- 20"L x 8.5"W x 2"H (50.8 x 21.6 x 5.1 cm)

BLITZFIRE® HE OSC**High Elevation Oscillating Portable Monitor with Safety Shut-off Valve**

TFTs' Blitzfire is a simple, light, and highly maneuverable attack monitor. The low elevation angle makes it suitable for use indoors. If the Blitzfire starts to slide or lift, the SAFETY Shut-off VALVE automatically shuts off the flow of water. 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 discharge pivots make directing the stream extremely quick and effortless. A unique up/down pivot on the hose inlet allows the monitor to have stability even on porches and stair landings. Folding legs have replaceable carbide tipped spikes. An anchor strap is included for safe operation.



XX211A-HE
\$4990.00
 34.90 lb (15.80 kg)
 37.3"L x 10.5"W x 9.6"H
 (94.7 x 26.7 x 24.4 cm) stowed

- Flows up to 500 gpm (2000 l/min)
- Elevation is manually adjustable between 10 and 86 degrees above horizontal
- Nozzle automatically sweeps 10, 15, or 20 degrees either side of center
- Oscillation can be disengaged for manual horizontal movement
- Body is hardcoat anodized aluminum
- Blue TFT powder coat finish inside and out
- Six detent flow positions with a turbulence free slide valve
- Standard inlet is 2.5" NH (64 mm) swivel rocker lug coupling. Standard outlet is 2.5" NH (64 mm) rigid male threads

Add Oscillating Feature to an existing Blitzfire.

Contact Service Department at 1-800-348-2686.

MODEL	BLITZFIRE HE OSC PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XXC-33-HE	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	YES	\$6375.00
XXC-33-HENB	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model)	NO	\$6375.00
XXC-43-HE	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	YES	\$5885.00
XXC-43-HENB	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	NO	\$5885.00
XXC-53-HE	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	YES	\$6800.00
XXC-52-HENB	BLITZFIRE HE OSC MONITOR (Specify Inlet & Outlet) MAX-SERIES TIP (Specify Inlet & Model) 3 STACKED TIPS (Specify Inlet) 5" (127 mm) STREAM STRAIGHTENER (Specify Inlet & Outlet)	NO	\$6800.00



XX-B
\$205.00
 3.40 lb
 (1.50kg)

- Stainless steel and hardcoat aluminum
- Can be mounted for rapid deployment of a pre-connected Blitzfire.
- Mounts on any accessible vertical or horizontal surface.
- 20"L x 8.5"W x 2"H
(50.8 x 21.6 x 5.1 cm)

BLITZFIRE ACCESSORIES

MODEL	INLET FEMALE	ORIFICE	LENGTH	WEIGHT	LIST PRICE
JSST10	2.5" NH (64 mm)	1.125" (29 mm) bore to 1.5" (38 mm) threaded male outlet	5.90" (15.0 cm)	1.8 lb (0.8 kg)	\$186.00
JSST11	2.5" NH (64 mm)	1.25 (32 mm) bore to 1.5" (38 mm) threaded male outlet	5.90" (15.0 cm)	1.8 lb (0.8 kg)	\$186.00
JSSTP-NF	1.5" NH (38 mm)	Smoothbore thread protector	0.88" (2.2 cm)	0.1 lb (0.1 kg)	\$27.00
JSS10	2.5" NH (64 mm)	1.125" (29 mm)	7.91" (20.1 cm)	1.6 lb (0.7 kg)	\$186.00
JSS11	2.5" NH (64 mm)	1.25" (32 mm)	7.93" (20.1 cm)	1.8 lb (0.8 kg)	\$186.00
MST-2NJ	2.5" NH (64 mm)	1.25", 1.125", and 1.0" (32 mm, 29 mm, and 25 mm)	9.63" (24.5 cm)	2.1 lb (1.0 kg)	\$470.00
MST-3NJ	2.5" NH (64 mm)	1.5", 1.25", and 1.0" (38, 32 and 25 mm)	11.80" (30.0 cm)	2.3 lb (1.0 kg)	\$470.00
MST-5NJ	2.5" NH (64 mm)	1.75", 1.5", and 1.375" (44 mm, 38 mm, and 35 mm)	11.70" (29.7 cm)	3.0 lb (1.4 kg)	\$470.00
MST-6NJ	2.5" NH (64 mm)	2.0", 1.5", and 0.75" (51 mm, 38 mm, and 19 mm)	13.30" (33.8 cm)	2.3 lb (1.0 kg)	\$470.00



MAX-SERIES NOZZLES

FoamJet Model for Max-Series FJ-MX-MD

Max-Force



- Switch between standard and low pressure mode
- 120° wide fog
- Flush 3/8" (10 mm) debris without shutting down

MD12A

Max-Matic



- 120° wide fog
- Flush 3/8" (10 mm) debris without shutting down
- Hardcoat anodized aluminum with rubber bumper

MD18A
MD17A

Max-Flow



- 120° wide fog
- Flush 3/8" (10 mm) debris without shutting down
- Hardcoat anodized aluminum with rubber bumper

MD14A

MODEL	TYPE	INLET	COUPLING	FLOW	LENGTH	WEIGHT	LIST PRICE
MD12A	Max-Force Dual Pressure	2.5" NH (64 mm)	Rigid Rocker Lug	100-500 gpm (400-2000 l/min) 100 psi (7 bar) / 55 psi (4 bar)	9.00" (22.9 cm)	6.7 lb (3.0 kg)	\$1180.00
MD18A	Max-Matic Automatic	2.5" NH (64 mm)	Rigid Rocker Lug	100-500 gpm (400-2000 l/min) 100 psi (7 bar)	9.00" (22.9 cm)	6.5 lb (2.9 kg)	\$1160.00
MD17A	Max-Matic Automatic	2.5" NH (64 mm)	Rigid Rocker Lug	100-500 gpm (400-2000 l/min) 80 psi (6 bar)	9.00" (22.9 cm)	6.5 lb (2.9 kg)	\$1160.00
MD14A	Max-Flow Fixed Gallonage	2.5" NH (64 mm)	Rigid Rocker Lug	500 gpm (2000 l/min) 100 psi (7 bar)	9.00" (22.9 cm)	6.5 lb (2.9 kg)	\$1135.00

FLIP TIP® 2

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 higher flow rear smoothbore 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, Hemisphere, or Crossfire. Standard inlet is 2.5" NH (64 mm) rocker lug swivel.



FTJJ21 - FTJJ64

- Large rear smoothbore
- Smaller front smoothbore
- 2.5" (64 mm) Female swivel coupling
- Hardcoat anodized aluminum for corrosion protection

MODEL	INLET FEMALE	REAR NOZZLE	FRONT NOZZLE	LENGTH	WEIGHT	LIST PRICE
FTJJ21	2.5" NH (64 mm)	1.25" (32 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ31	2.5" NH (64 mm)	1.375" (35 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ32	2.5" NH (64 mm)	1.375" (35 mm)	1.25" (32 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ33	2.5" NH (64 mm)	1.375" (35 mm)	1.375" (35 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ41	2.5" NH (64 mm)	1.5" (38 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ42	2.5" NH (64 mm)	1.5" (38 mm)	1.25" (32 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ43	2.5" NH (64 mm)	1.5" (38 mm)	1.375" (35 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ44	2.5" NH (64 mm)	1.5" (38 mm)	1.5" (38 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ51	2.5" NH (64 mm)	1.75" (44 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ52	2.5" NH (64 mm)	1.75" (44 mm)	1.25" (32 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ53	2.5" NH (64 mm)	1.75" (44 mm)	1.375" (35 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ61	2.5" NH (64 mm)	2.0" (51 mm)	1.0" (25 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ62	2.5" NH (64 mm)	2.0" (51 mm)	1.25" (32 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ63	2.5" NH (64 mm)	2.0" (51 mm)	1.375" (35 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00
FTJJ64	2.5" NH (64 mm)	2.0" (51 mm)	1.5" (38 mm)	8.60" (21.8 cm)	5.3 lb (2.4 kg)	\$775.00

FLIP TIP® 2

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 higher flow rear smoothbore 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, Hemisphere, or Crossfire. Standard inlet is 2.5" NH (64 mm) rocker lug swivel.

Max-Force Dual Pressure Automatic**FTMJ*A**

- Switch between standard and low pressure mode
- 100-500 gpm (400-2000 l/min)
- 100/55 psi (7/4 bar)
- Hardcoat anodized aluminum for corrosion protection

Max-Flow Fixed Gallonage**FTMJ*B**

- 500 gpm (2000 l/min)
- 100 psi (7 bar)
- Hardcoat anodized aluminum for corrosion protection

Max-Matic Single Pressure Automatic**FTMJ*C**

- 100-500 gpm (400-2000 l/min)
- 80 psi (6 bar)
- Hardcoat anodized aluminum for corrosion protection

Max-Matic Single Pressure Automatic**FTMJ*D**

- 100-500 gpm (400-2000 l/min)
- 100 psi (7 bar)
- Hardcoat anodized aluminum for corrosion protection

MODEL	INLET FEMALE	REAR NOZZLE	FRONT NOZZLE	LENGTH	WEIGHT	LIST PRICE
FTMJ3A	2.5" NH (64 mm)	1.375" (35 mm)	Max-Force	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ3D	2.5" NH (64 mm)	1.375" (35 mm)	Max-Matic 100 psi (7 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ4A	2.5" NH (64 mm)	1.375" (35 mm)	Max-Force	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ4B	2.5" NH (64 mm)	1.5" (38 mm)	Max-Flow	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ4C	2.5" NH (64 mm)	1.5" (38 mm)	Max-Matic 80 psi (6.5 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ4D	2.5" NH (64 mm)	1.5" (38 mm)	Max-Matic 100 psi (7 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ5A	2.5" NH (64 mm)	1.75" (44 mm)	Max-Force	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ5B	2.5" NH (64 mm)	1.75" (44 mm)	Max-Flow	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ5C	2.5" NH (64 mm)	1.75" (44 mm)	Max-Matic 80 psi (6.5 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ5D	2.5" NH (64 mm)	1.75" (44 mm)	Max-Matic 100 psi (7 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ6A	2.5" NH (64 mm)	2.0" (51 mm)	Max-Force	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ6B	2.5" NH (64 mm)	2.0" (51 mm)	Max-Flow	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ6C	2.5" NH (64 mm)	2.0" (51 mm)	Max-Matic 80 psi (6.5 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00
FTMJ6D	2.5" NH (64 mm)	2.0" (51 mm)	Max-Matic 100 psi (7 bar)	15.00" (38.1 cm)	9.6 lb (4.4 kg)	\$1655.00

BLITZFIRE® SERIES**BLITZFIRE Package Order Assistance****\$4775.00**

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

\$4160.00

XXC-42 CONTAINS:
BLITZFIRE MONITOR
STORAGE BRACKET
STACKED TIPS

\$5225.00

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

\$5980.00

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

\$5560.00

XXC-43 CONTAINS:
BLITZFIRE OSC MONITOR
STORAGE BRACKET
STACKED TIPS
STREAM STRAIGHTENER

\$6450.00

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

\$4775.00

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

\$4160.00

XXC-42NB CONTAINS:
BLITZFIRE MONITOR
STACKED TIPS

\$5225.00

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

\$5980.00

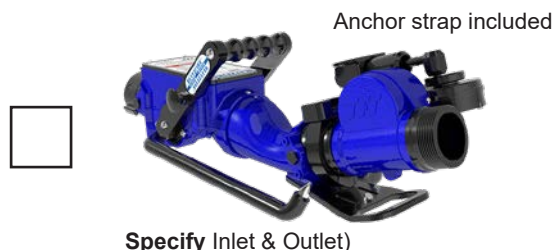
XXC-33NB CONTAINS:
BLITZFIRE OSC
MONITOR
MAX-SERIES TIP

\$5560.00

XXC-43NB CONTAINS:
BLITZFIRE OSC MONITOR
STACKED TIPS
STREAM STRAIGHTENER

\$6450.00

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

MONITOR Choose One Option ☒**MONITOR OSC** Choose One Option ☒**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**



☐ **MD14A — Max-Flow 2.5"NH (64 mm)**
Fixed Pressure Nozzle
500 gpm (2000 l/min) flow rate

☐ **MD12A — Max-Force 2.5"NH (64 mm)**
Dual Pressure Automatic Nozzle
100-500 gpm (400-2000 l/min) flow range

☐ **MD18A — Max-Matic 2.5"NH (64 mm)**
Automatic Pressure Nozzle
100-500 gpm (400-2000 l/min) flow range

STREAM STRAIGHTENER

Included in Packages **XXC-43, XXC-43NB, XXC-53 and XXC-53NB**

XF-SS5 - STREAM STRAIGHTENER
5" (127 mm) 2.5" NH (64 mm)

**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**
See Page R70 for Smoothbore information.



☐ **JSST10**

☐ **JSS10**

☐ **MST-2NJ**

☐ **MST-5NJ**

☐ **JSST11**

☐ **JSS11**

☐ **MST-3NJ**

☐ **MST-6NJ**

BLITZFIRE® HE SERIES**BLITZFIRE HE Package Order Assistance****\$5110.00**

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

\$4485.00

XXC-42-HE
BLITZFIRE HE
MONITOR
STORAGE BRACKET
STACKED TIPS

\$5615.00

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

\$6375.00

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

\$5885.00

XXC-43-HE
BLITZFIRE HE OSC
MONITOR
STORAGE BRACKET
STACKED TIPS
STREAM STRAIGHTENER

\$6800.00

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

\$5110.00

XXC-32-HENB
BLITZFIRE HE
MONITOR
MAX-SERIES TIP

\$4485.00

XXC-42-HENB
BLITZFIRE HE
MONITOR
STACKED TIPS

\$5615.00

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

\$6375.00

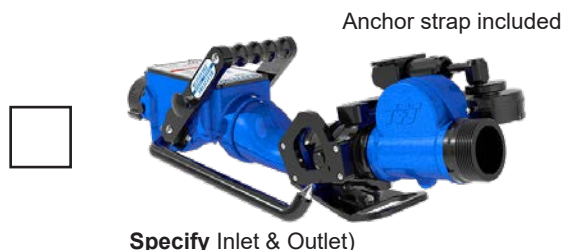
XXC-33-HENB
BLITZFIRE HE OSC
MONITOR
MAX-SERIES TIP

\$5885.00

XXC-43-HENB
BLITZFIRE HE OSC
MONITOR
STACKED TIPS
STREAM STRAIGHTENER

\$6800.00

XXC-53-HENB
BLITZFIRE HE OSC MONITOR
MAX-SERIES TIP
STACKED TIPS
STREAM STRAIGHTENER

MONITOR Choose One Option ☒**MONITOR OSC** Choose One Option ☒**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



☐ **MD14A — Max-Flow 2.5"NH (64 mm)**
Fixed Pressure Nozzle
500 gpm (2000 l/min) flow rate

☐ **MD12A — Max-Force 2.5"NH (64 mm)**
Dual Pressure Automatic Nozzle
100-500 gpm (400-2000 l/min) flow range

☐ **MD18A — Max-Matic 2.5"NH (64 mm)**
Automatic Pressure Nozzle
100-500 gpm (400-2000 l/min) flow range

STREAM STRAIGHTENER

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

XF-SS5 - STREAM STRAIGHTENER
5" (127 mm) 2.5" NH (64 mm)

**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. See page R70 for smoothbore information.



☐ **JSST10**

☐ **JSS10**

☐ **MST-2NJ**

☐ **MST-5NJ**

☐ **JSST11**

☐ **JSS11**

☐ **MST-3NJ**

☐ **MST-6NJ**

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" (51 mm) 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 handle provides shut-off capability. The monitor and valve bodies are hardcoat anodized aluminum inside and out with a blue TFT powder coat finish.

**HPM111A****\$3310.00**

21.9 lb (9.9 kg)

11.2" (28.4 cm) Height

11.6" (29.5 cm) Width

21.1" (53.6 cm) Depth

HPMG111A**\$3515.00**

23.4 lb (10.6 kg)

11.2" (28.4 cm) Height

11.6" (29.5 cm) Width

21.1" (53.6 cm) Depth

- Flow range up to 500 gpm (2000 l/min)
- Swiveling 45 degree valved inlet and a rotating swiveling outlet
- Outlet is manually adjustable via a double ball swivel, angled 40 degrees from the main waterway, capable of sweeping 80 degrees, and can be rotated about the main waterway a full 360 degrees by a hand crank
- Outlet has a built-in stream straightener
- Water pressurized pins prevent the monitor from releasing while flowing



- Optional 0-300 psi (0-20 bar) pressure gauge available
- Protective ring and lens cover
- Gauge reads inlet pressure when valve is closed

Combination Packages Transportable Monitor

PACKAGE	INCLUDES	LIST PRICE
HPM-32	HPM111A HEMISPHERE MONITOR HPM-A I BEAM CLAMP/2" (51 mm) HITCH MOUNT MD12A MAX-SERIES TIP	\$5565.00
HPMG-32	HPMG111A HEMISPHERE MONITOR W/GAUGE HPM-A I BEAM CLAMP/2" (51 mm) HITCH MOUNT MD12A MAX-SERIES TIP	\$5770.00
HPM-42	HPM111A HEMISPHERE MONITOR HPM-F TANK LIP CLAMP/2" (51 mm) HITCH MOUNT MD12A MAX-SERIES TIP	\$5565.00
HPMG-42	HPMG111A HEMISPHERE MONITOR W/GAUGE HPM-F TANK LIP CLAMP/2" (51 mm) HITCH MOUNT MD12A MAX-SERIES TIP	\$5770.00
HPM-52	HPM111A HEMISPHERE MONITOR HPM-G PARALLEL BAR CLAMP/2" (51 mm) HITCH MOUNT MD12A MAX-SERIES TIP	\$5990.00
HPMG-52	HPMG111A HEMISPHERE MONITOR W/GAUGE HPM-G PARALLEL BAR CLAMP/2" (51 mm) HITCH MOUNT MD12A MAX-SERIES TIP	\$6195.00
HPM-62	HPM111A HEMISPHERE MONITOR HPM-H FLEX CLAMP/ 2" (51 mm) HITCH MOUNT MD12A MAX-SERIES TIP	\$5990.00
HPMG-62	HPMG111A HEMISPHERE MONITOR W/GAUGE HPM-H FLEX CLAMP/ 2" (51 mm) HITCH MOUNT MD12A MAX-SERIES TIP	\$6195.00



HEMISPHERE™**Transportable Monitor Mounting Options**

This hardcoat anodized aluminum and stainless steel clamp can be quickly attached to objects such as: an I-beam, stair rails, tank lip, industrial scaffolding, round and various other odd shaped objects 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

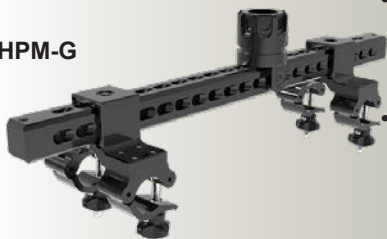
and a travel stop keeps the pins attached to prevent them from being dropped or lost. Once the clamp is secured, the Hemisphere monitor is attached to the clamp by sliding the socket at the base of the monitor over the mount. The jaws can be removed and the backbone can be inserted into any standard 2" (51 mm) hitch giving the ability to quickly add a monitor to most vehicles without costly modifications.

I-Beam Clamp/2" Hitch Mount**HPM-A**

- Clamps to I-beams and other similar objects
- Quickly and easily adjustable

Tank Lip Clamp/2" Hitch Mount**HPM-F**

- Clamps to storage tank lips and other similar objects
- Quickly and easily adjustable

Parallel Bar Clamp/2" Hitch Mount**HPM-G**

- Clamps to industrial scaffolding and other similar objects
- Quickly and easily adjustable

Flex Clamp/2" Hitch Mount**HPM-H**

- Clamps to round and various shaped objects
- Quickly and easily adjustable
- Bags neatly store chain when not in use and stay attached during use

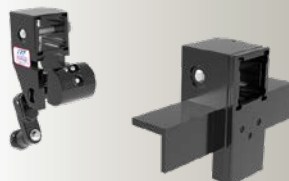
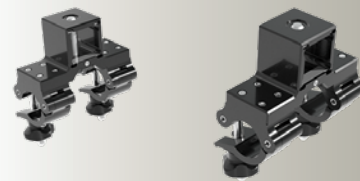
MODEL	MOUNTING BRACKET SET	HEIGHT	WIDTH	DEPTH	WEIGHT	LIST PRICE
HPM-A	I BEAM CLAMP 2" (51 mm) HITCH MOUNT	5.7" (14.5 cm)	6.4" (16.3 cm)	33.1" (84.1 cm)	19.2 lb (8.7 kg)	\$1055.00
HPM-F	TANK LIP CLAMP 2" (51 mm) HITCH MOUNT	5.7" (14.5 cm)	6.4" (16.3 cm)	33.1" (84.1 cm)	22.0 lb (10.0 kg)	\$1055.00
HPM-G	PARALLEL BAR CLAMP 2" (51 mm) HITCH MOUNT	5.7" (14.5 cm)	6.4" (16.3 cm)	33.1" (84.1 cm)	20.6 lb (9.3 kg)	\$1480.00
HPM-H	FLEX CLAMP 2" (51 mm) HITCH MOUNT	7.7" (19.6 cm)	9.2" (23.4 cm)	33.1" (84.1 cm)	25.5 lb (11.6 kg)	\$1480.00

**TANK LIP****STAIR RAILING****FRAMING MEMBER**

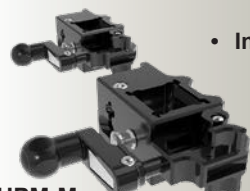
HEMISPHERE™**Transportable Monitor Accessories**

Hardcoat anodized aluminum and stainless steel clamp jaws attach to the 2" (51 mm) backbone/hitch mount to provide a clamp that can be quickly attached to objects such as: an I-beam, stair rails, tank lip, industrial

scaffolding, round and various other odd shaped objects by one person without the use of tools. Add additional clamp sets to your existing backbone to make it more versatile.

I-Beam Clamp**HPM-J****Tank Lip Clamp****HPM-K****Parallel Bar Clamp****HPM-L****Flex Clamp Chain Blocks**

- Includes chains

**HPM-M****Backbone Hitch Mount**

- Standard Backbone replacement
- Can be used in vehicle hitch receiver
- Requires HPM-E Cross-Pin Mount

HPM-N**Fixed Mount**

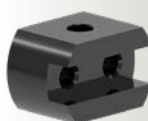
- Install in pre-planned coverage areas

**HPM-B****Hitch Mount**

- Bolts to back side of ball hitch mount (not included)

**HPM-C****Mounting Block**

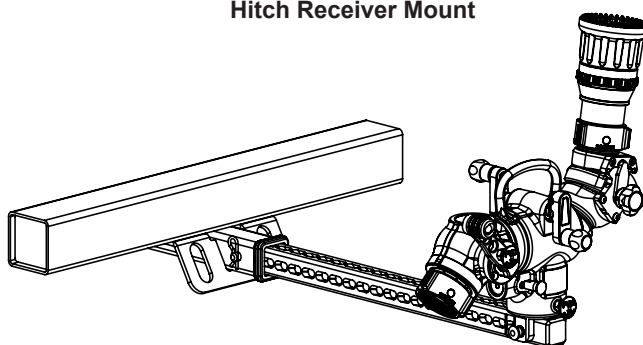
- Install in pre-planned coverage areas
- Requires HPM-E Cross-Pin Mount

**HPM-D****Cross-Pin Mount**

- Standard Hemisphere mount
- Used with HPM-N Backbone or HPM-D Mounting Block

**HPM-E**

MODEL	TYPE OF JAWS	WEIGHT	LIST PRICE
HPM-J	I BEAM CLAMP	7.7 lb (3.5 kg)	\$835.00
HPM-K	TANK LIP CLAMP	10.5 lb (4.8 kg)	\$835.00
HPM-L	PARALLEL BAR CLAMP	9.1 lb (4.1 kg)	\$1260.00
HPM-M	FLEX CLAMP CHAIN BLOCKS	14.0 lb (6.4 cm)	\$1260.00
HPM-N	BACKBONE HITCH MOUNT	9.4 lb (4.3 kg)	\$230.00
HPM-B	FIXED MOUNT	1.9 lb (0.9 kg)	\$145.00
HPM-C	HITCH MOUNT	1.9 lb (0.9 kg)	\$145.00
HPM-D	MOUNTING BLOCK	0.8 lb (0.4 cm)	\$52.00
HPM-E	CROSS PIN MOUNT	2.1 lb (1.0 kg)	\$145.00

Hitch Receiver Mount

Apparatus Products Table of Contents

The GREEN category includes apparatus products 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, and strainers, and the Crossfire monitor.



CROSSFIRE MONITOR

Crossfire Series	G2 - G3
Crossfire Accessories	G4 - G5
Crossfire Ordering Assistance.	G6

BALL INTAKE VALVES

<i>Important Update to Ball Intake Valves</i>	G8 - G9
Jumbo Intake Valves.	G10 - G11
Jumbo Low Profile Intake Valves.	G12 - G13

45° HI-RISE VALVES AND KITS

Hi-Rise Valves	G14
Hi-Rise Kits	G15

FORESTRY TEE, IN-LINE AND GATED VALVES

Forestry Valves.	G16
Forestry Gated Wyes	G16-G17
2.5" (64 mm) x 1.5" (38 mm) Gated Wyes.	G17

HYDRANT AND HI-RISE VALVES

Hydrant Valves	G18
Slow Close Hydrant Valves.	G18
Slow Close Hi Rise Valves w/Gauge	G19

GATED WYES AND SIAMESE

2.5" (64 mm) Gated Wyes and Siameses.	G20 - G23
LDH Gated Wyes	G24
Jumbo Siamese, Wyes.	G25 - G28

WATER THIEF AND MANIFOLDS

LDH Water Thief.	G29
LDH Siamese Water Thief.	G29
3, 4 and 5 Way Valved Manifold	G30 - G32
LDH Gated Water Thief.	G33

OASIS HYDRANT ASSIST

Oasis Hydrant Assist	G34 - G35
--------------------------------	-----------

IN-LINE VALVES

Mobile (loose) and Apparatus (fixed)	G36
--	-----

SUCTION STRAINERS

Barrel and Floating Barrel Strainer.	G37
Low Level and Floating Strainer	G38
Low Level and Floating Strainer with Jet Siphon	G39

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 for superior corrosion protection. Truck mount adapter not included, order separately.



XFT-NJ
\$1900.00
 17.00 lb (7.50 kg)
 22.00"L x 14.00"W x 14.00"H
 (55.9 x 35.6 x 35.6 cm)

- Flow range up to 1250 gpm (4750 l/min)
- 2.5" NH (64 mm) outlet
- Can be connected to either a portable base or a truck with adapters or a TFT Extend-A-Gun with XL outlet.
- Large 3.25" (83 mm) waterway
- The connection is easy, positive, and visually verified
- 360° horizontal rotation
- Highly visible pressure gauge and a built-in automatic drain

SAFE-TAK™ 1250

Portable Base With Safety Valve

Portable bases are 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.



- Includes SAFE-TAK™ VALVE for flows up to 1250 gpm (4700 l/min)

SAFE-TAK 1250
XFH (see chart)**
\$2630.00



- STOW-A-WAY 800 portable base is not equipped with SAFE-TAK™ "Flow Safety Valve."

STOW-A-WAY 800
XFL (see chart)**
\$2090.00



- STOW-A-WAY 1250 portable base is not equipped with SAFE-TAK™ "Flow Safety Valve."

STOW-A-WAY 1250
VALVED BASE UNIT
XFAN (see chart)**
\$3965.00

The STOW-A-WAY 800 PORTABLE BASE does not have the flow safety valve. Maximum recommended flow with a Stow-A-Way 800 base in portable mode is 800 gpm (3000 l/min).

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. Maximum recommended flow with Stow-A-Way 1250 Valved Base in portable mode is 1250 gpm (4700 l/min).

CROSSFIRE® SERIES

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 Size	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 (76 mm)	25.4	11.5	22.3	10.1	31.40	14.20
XFH-1NN	XFL-1NN	XFAN-1NN	1	3.5" NH (89 mm)	25.6	11.6	22.5	10.2	30.80	14.00
XFH-1NP	XFL-1NP	XFAN-1NP	1	4.0" NH (102 mm)	26.2	11.9	23.1	10.5	31.90	14.50
XFH-1NR	XFL-1NR	XFAN-1NR	1	4.5" NH (114 mm)	26.3	12.0	23.2	10.5	33.10	15.00
XFH-1SP	XFL-1SP	XFAN-1SP	1	4" Storz (102 mm)	27.0	12.2	23.0	10.4	31.10	14.10
XFH-1ST	XFL-1ST	XFAN-1ST	1	5" Storz (127 mm)	28.7	13.0	25.6	11.6	32.80	14.90
XFH-1SX	XFL-1SX	—	1	6" Storz (152 mm)	30.4	13.8	28.2	12.8	—	—
XFH-2NJ	XFL-2NJ	—	2	2.5" NH (64 mm)	23.8	10.8	20.7	9.4	—	—

CROSSFIRE® SERIES

Combination Packages with Safe-Tak 1250

MODEL	CROSSFIRE 1250 PACKAGE INCLUDES	STORAGE BRACKET	LIST PRICE
XFC-12	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet)	YES	\$4565.00
XFC-12NB	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet)	NO	\$4565.00
XFC-42	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Quad Stack Tips (Specify Inlet) Stream Straightener (Specify Inlet & Outlet)	YES	\$5065.00
XFC-42NB	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Quad Stack Tips (Specify Inlet) Stream Straightener (Specify Inlet & Outlet)	NO	\$5065.00
XFC-32	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Any Master Stream 1000 or 1250S Nozzle (Specify Inlet)	YES	\$5310.00
XFC-32NB	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Any Master Stream 1000 or 1250S Nozzle (Specify Inlet)	NO	\$5310.00
XFC-52	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Any Master Stream 1000 or 1250S Nozzle (Specify Inlet) Quad Stack Tips (Specify Inlet) Stream Straightener (Specify Inlet & Outlet)	YES	\$5965.00
XFC-52NB	CROSSFIRE Monitor Top (Specify Outlet) CROSSFIRE Safe-Tak Base (Specify Inlet) Any Master Stream 1000 or 1250S Nozzle (Specify Inlet) Quad Stack Tips (Specify Inlet) Stream Straightener (Specify Inlet & Outlet)	NO	\$5965.00

See page G6 for Crossfire Package Order Assistance.
Please call customer service for assistance in ordering packages.

CROSSFIRE® SERIES

Accessories



- Made from hardcoat anodized aluminum alloy for lightweight and corrosion resistance.
- Not for use on Extend-A-Gun telescoping waterway.
- Not for use on portable ground base.

XG18XL-XL
\$830.00
 22.00 lb (10.00kg)

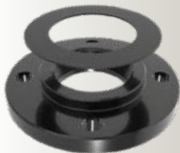
EXTEND-A-GUN PIPE –A simple and cost effective way to easily add 16" to your Crossfire Deck gun outlet connection. Simply remove the Crossfire monitor from the existing truck mount adapter, add the Extend-A-Gun Pipe and connect the Crossfire top. Increases the field of fire by raising the Crossfire monitor 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.



XFF-MPL
XFF-MPP
\$361.00

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	THREADS	HEIGHT	DIAMETER	WEIGHT
XFF-MPL	3" ANSI 150# (76 mm)	(4) 5/8"-11X3	NONE	5" (12.7 cm)	7.50" (19.10 cm)	6.9 lb (3.1 kg)
XFF-MPP	4" ANSI 150# (102 mm)	(8) 5/8"-11X3	4" NPT F	8" (20.3 cm)	9.00" (22.90 cm)	11.0 lb (5.0 kg)



- Gasket included

XFF-CPL
XFF-CPP
\$161.00

MODEL	THREADS	FLANGE	BOLTS REQ.	DIAMETER	WEIGHT
XFF-CPL	3" NPT F (76 mm)	3" ANSI 150# (76 mm)	4 bolts 5/8" (M16) (not included)	7.50" (19.1 cm)	3.0 lb (1.4 kg)
XFF-CPP	4" NPT F (102 mm)	4" ANSI 150# (102 mm)	8 bolts 5/8" (M16) (not included)	9.00" (22.9 cm)	4.4 lb (2.0 kg)



XFF-APL
\$366.00
 3.10 lb (1.40 kg)

XFF-APL - TRUCK ADAPTER, 3.0" NPT FEMALE Can be screwed directly on a 3.0" NPT (75 mm) male thread. This compact, hardcoat anodized adapter allows the Crossfire monitor to be easily utilized as a truck mounted deluge appliance. 4.5" dia. (110 mm) Height: 5.0". (125 mm)



XFF-RLF
\$361.00
 4.20 lb (1.90 kg)

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. (170 mm) Height: 5.0" (125 mm)

CROSSFIRE® SERIES

Accessories



MST-4NJ
\$560.00

3.10 lb (1.40 kg)

MST-4NN
\$830.00

5.6 lb (2.5 kg)

MST-4NJ - 4 STACKED TIPS, 2.5" NH (64 mm) 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 (64 mm) swivel coupling is standard. Orifice openings are 2", 1.75", 1.5", and 1.375". (51 mm, 44 mm, 38 mm and 35 mm) Length 16.90" (42.9 cm)

MST-4NN - 4 STACKED TIPS, 3.5" NH (89 mm) 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. 3.5" NH (89 mm) swivel coupling is standard. Orifice openings are 2", 1.75", 1.5", and 1.375". (51 mm, 44 mm, 38 mm and 35 mm) Length 18.9" (48.0 cm)



XF-B
\$200.00

3.10 lb (1.40 kg)

XF-B - CROSSFIRE STORAGE BRACKET A 13 ga., 304 stainless steel bracket with strap holds the Stow-A-Way 800, Stow-A-Way 1250 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
\$220.00

1.80 lb (0.80 kg)

XF-SS5-NN
\$435.00

4.6 lb (2.1 kg)

XF-SS5 - STREAM STRAIGHTENER 5" L. (127 mm) 2.5" NH (64 mm) THREADS - Extruded aluminum vanes straighten smoothbore streams to provide greater reach with less turbulence. 2.5" NH (65 mm) rigid female inlet and male outlet threads are standard.

XF-SS5-NN- STREAM STRAIGHTENER 5" L. (127 mm) 3.5" NH (89 mm) THREADS - Extruded aluminum vanes straighten smoothbore streams to provide greater reach with less turbulence. 3.5" NH (89 mm) rigid female inlet and 2.5" NH (64 mm) male outlet threads are standard.



XF-SS10
\$220.00

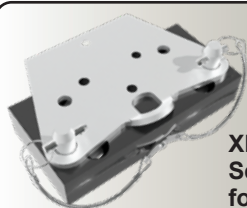
3.50 lb (1.90 kg)

XF-SS10-NN
\$435.00

6.3 lb (2.9 kg)

XF-SS10 - STREAM STRAIGHTENER 10" L. (254 mm) 2.5" NH (64 mm) THREADS - Extruded aluminum vanes straighten smoothbore streams to provide greater reach with less turbulence. 2.5" NH (64 mm) rigid female inlet and male outlet threads are standard.

XF-SS10-NN - STREAM STRAIGHTENER 10" L. (254 mm) 3.5" NH (89 mm) THREADS - Extruded aluminum vanes straighten smoothbore streams to provide greater reach with less turbulence. 3.5" NH (89 mm) rigid female inlet x 2.5" NH (64 mm) male outlet threads are standard.



XF400-KIT
See page T2
for pricing
8.3 lb (3.8 kg)

XF400-KIT - TRUCK MOUNTING BLOCK KIT for direct mounting of the portable base on a truck deck. Allows for use as a deck gun and base can be easily removed for portable use when needed. Includes truck mount block with anchor pins and bottom plate for Stow-A-Way 800, Stow-A-Way 1250 or Safe-Tak 1250 portable base.

CROSSFIRE® SERIES**Crossfire Package Order Assistance****\$5310.00****XFC-32 PACKAGE CONTAINS:**

SAFE-TAK Base (**Specify Inlet**)
 CROSSFIRE Storage Bracket
 CROSSFIRE Monitor Top (**Specify Outlet**)
 Any Master Stream 1000 or 1250S Nozzle
 shown on page B12-B13 (**Specify Inlet**)

\$5310.00**XFC-32NB PACKAGE:**

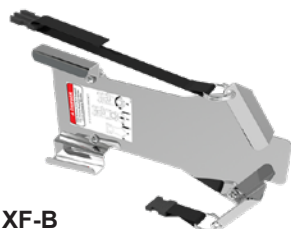
Same as XFC-32 except package does not
 include storage bracket

**CROSSFIRE TOP &
BRACKET INCLUDED**

Included with All Six Packages



XFT-NJ — 2.5"NH Outlet
 Monitor Top 1250 gpm (4500 l/min)



XF-B
 Crossfire Storage Bracket
 Not included in NB Packages

\$5065.00**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 254 mm) Stream Straightener
 (**Specify Inlet & Outlet**)

\$5065.00**XFC-42NB PACKAGE:**

Same as XFC-42 except package does not
 include storage bracket

\$5965.00**XFC-52 PACKAGE CONTAINS:**

SAFE-TAK Base (**Specify Inlet**)
 CROSSFIRE Storage Bracket
 CROSSFIRE Monitor Top (**Specify Outlet**)
 Any Master Stream 1000 or 1250S Nozzle
 shown on page B12-B13 (**Specify Inlet**)
 Quad Stack Tips (**Specify Inlet**)
 5" or 10" (127 or 254 mm) Stream Straightener
 (**Specify Inlet & Outlet**)

\$5965.00**XFC-52NB PACKAGE:**

Same as XFC-52 except package does not
 include storage bracket

CHOICE OF STREAM STRAIGHTENER

Included with XFC-42 and XFC-52 Package Choose One Option ☒



☐ **XF-SS5**
 5" 2.5" NH



☐ **XF-SS10**
 10" 2.5" NH

CHOICE OF NOZZLE

Included with XFC-32 and XFC-52 Package
 Choose One Option ☒



☐ **M-R1000-NJ — 2.5"NH**
 Automatic Pressure Nozzle
 150-1000 gpm flow range
 (600-4000 l/min) @ 100 psi



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) @ 100 psi

QUAD TIPS

Included with XFC-42
 and XFC-52 Package



MST-4NJ — 2.5"NH
 4 Stacked Tips Laser Engraved Flow Charts

For truck mounting see adapters
 on page G4, or Extend-A-Guns
 with XL outlet on page B27-B28,
 available separately, not included
 in packages.

SAFE-TAK 1250 BASE w/CHOICE OF INLETS

Included with all six packages Choose One Option ☒

XFH-*

SAFE-TAK 1250
 Portable Base



XFH-1NL
 Single 3"NH
 (76 mm)



XFH-1NN
 Single 3.5"NH
 (89 mm)



XFH-2NJ
 Dual 2.5"NH
 (64 mm)



XFH-1NP
 Single 4"NH
 (102 mm)



XFH-1NR
 Single 4.5"NH
 (114 mm)



XFH-1SP
 Single 4"Storz
 (102 mm)



XFH-1ST
 Single 5"Storz
 (127 mm)



XFH-1SX
 Single 6"Storz
 (152 mm)

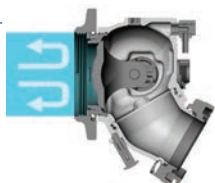
MANUAL AND REMOTE CONTROL BALL INTAKE VALVE (BIV) MAXIMUM FLOW AND OPTIONS

TFT's BIV's are the ideal alternative to master intake valves integrated into the apparatus pump system because they eliminate the need for apparatus to be taken out of service for repair or maintenance of an intake valve. Units are constructed of lightweight, hard anodized and powder coated aluminum alloy. The aluminum alloy half ball has a corrosion resistant coating for additional corrosion protection. In addition, hose couplings and truck connections are attached to the valve using polymer bearing rings which provide electrical isolation to help prevent galvanic corrosion. Models are available with a choice of manual or remote controls, a fast acting pressure relief valve, and a unique swiveling inlet.

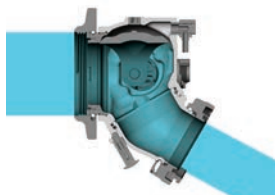


JUMBO
LOW PROFILE BIV
AXD1ST-NX-T

Unique Valve Design



When the BIV is closed, the water stays on the pump side so the inside of your valve is dry at all times.



When the BIV is open, the valve completely swings out of the way and provides high flow, because of the unobstructed waterway.

Hundreds of Configurations



TFT offers a BIV solution for every application. Options include handle placement, inlet/outlet sizes, body profile, pressure relief, and remote control. Design your BIV to fit your unique apparatus.

High Flow to Your Pump



The unobstructed 5.25" (133 mm) waterway on Jumbo BIV has only 3 psi of loss at 2000 gpm (0.2 bar @ 7600 l/min) with a 6" (152 mm) coupling.

For additional information on Ball Intake Valve's visit TFT.com
RC Ball Intake Valves are located on pages B77-B80.

BIV BALL INTAKE VALVE™

- **Easy Model Selection**
- **10-Year Warranty**
- **High Flow, Low Friction Loss**
- **Configurations To Meet Your Needs**

The Jumbo BIV features choice of side handwheel or top crank, or electric remote actuation. Available with standard air bleeder/drain valve, with or without a pressure relief valve. The detent swivel elbow inlet can free swivel or lock into any one of eight positions. Also available without elbow for a shorter installation. The larger water way on the Jumbo and Jumbo Low Profile BIV has improved flow efficiency, resulting in high flows when drafting, when supplied from a hydrant or during relay pumping operations.

The Jumbo Low Profile is available with the operating crank or electric motor on the left or right side. The manually operated valves can be ordered with the front crank, or for very limited space such as behind a roll up door, top crank models can be ordered.




Choose this series for best performance in tight profile pump panels.



	AXE-F Series	AXD-T Series	AXE-T Series	AXD-T Series
Jumbo Low Profile Ball Intake Valve <ul style="list-style-type: none"> • 10 Year Warranty • High Flow 5.25" Waterway • Left or Right Crank Location • Top or Front Hand Crank Location • Electric Remote with Manual Override Knob • With or Without Easily Adjustable Pressure Relief Valve • Air Bleeder / Self Draining 				
	Description Low Profile Elbow, Front Crank, PRV	Description Low Profile Elbow, Top Crank, PRV	Description Low Profile Elbow, Top Crank, PRV	Description Low Profile Elbow, Top Crank, PRV
	Dim Max 14.7"H, 13.8"W, 11.3"D	Dim Max 14.7"H, 13.8"W, 11.3"D	Dim Max 14.7"H, 13.8"W, 11.3"D	Dim Max 14.7"H, 13.8"W, 11.3"D
	List Price \$2850.00	List Price \$2850.00	List Price \$2850.00	List Price \$2850.00

Choose this series for best performance.







	AX Series	AX-PS Series	AP Series	AP-PS Series
Jumbo Ball Intake Valve <ul style="list-style-type: none"> • 10 Year Warranty • High Flow 5.25" Waterway • Left or Right Handwheel • Top Hand Crank Location • Electric Remote with Manual Override Knob • With or Without Easily Adjustable Pressure Relief Valve • Drain Valve / Air Bleeder 				
	Description Elbow, Handwheel, PRV	Description Elbow, Top Crank, PRV	Description No Elbow, Handwheel, PRV	Description No Elbow, Top Crank, PRV
	Dim Max 17.8"H, 14.0"W, 15.5"D	Dim Max 18.8"H, 11.5"W, 15.5"D	Dim Max 17.4"H, 13.4"W, 12.9"D	Dim Max 18.7"H, 11.2"W, 12.9"D
	List Price \$2700.00	List Price \$2700.00	List Price \$2700.00	List Price \$2700.00

The TFT Ball Intake Valve (BIV) is being replaced by the Jumbo BIV and Jumbo Low Profile BIV making selection of a high performance pump inlet valve much easier.

**BEGINNING IN 2021
THESE MODELS WILL
BE REPLACED**

Choose from one of the series above.







	AB Series	AB-PS Series	ABS Series	ABS-PS Series
Standard Ball Intake Valve <ul style="list-style-type: none"> • 5 Year Warranty • Low Flow 3.65" Waterway 				
	Description Elbow, Handwheel, PRV	Description Elbow, Top Crank, PRV	Description No Elbow, Handwheel, PRV	Description No Elbow, Top Crank, PRV
	Dim Max 15.6"H, 13.0"W, 14.0"D	Dim Max 16.0"H, 11.5"W, 14.0"D	Dim Max 16.2"H, 13.4"W, 11.0"D	Dim Max 17.8"H, 11.2"W, 11.0"D

BIV BALL INTAKE VALVE™

Options for with or without pressure relief valve are also available. The air bleeder is standard and the Jumbo Low Profile is self-draining.

All valves have a valve position indicator to show when the valve is open, closed or in between. Valves are made from hardcoat aluminum that is powder coated inside and out for superior corrosion protection. The aluminum alloy half ball and seat retainers of all valves have a corrosion resistant coating for additional corrosion protection. A polymer bearing strip joins the

couplings to the valve allowing easy swiveling, and electrically isolates the valve to reduce the chance of galvanic corrosion. Both the Jumbo and Jumbo Low Profile valves have a 10 Year Warranty. Contact TFT customer service for special industrial configurations not shown.

AZD-F Series	AZD-T Series	AZE-T Series	AZD-T Series	AXD-RC Series	AXE-RC Series
					
Description Low Profile Elbow, Front Crank, No PRV	Description Low Profile Elbow, Top Crank, No PRV	Description Low Profile Elbow, Top Crank, No PRV	Description Low Profile Elbow, Top Crank, No PRV	Description Low Profile Elbow, Electric, PRV	Description Low Profile Elbow, Electric, PRV
Dim Max 16.6"H, 13.4"W, 11.3"D	Dim Max 16.6"H, 13.4"W, 11.3"D	Dim Max 16.6"H, 13.4"W, 11.3"D	Dim Max 16.6"H, 13.4"W, 11.3"D	Dim Max 13.5"H, 15.6"W, 11.3"D	Dim Max 13.5"H, 15.6"W, 11.3"D
List Price \$2585.00	List Price \$2585.00	List Price \$2585.00	List Price \$2585.00	List Price \$4850.00	List Price \$4850.00

AZ Series	AZ-PS Series	AQ Series	AQ-PS Series	AX-RC Series	AP-RC Series
					
Description Elbow, Handwheel, No PRV	Description Elbow, Top Crank, No PRV	Description No Elbow, Handwheel, No PRV	Description No Elbow, Top Crank, No PRV	Description Elbow, Electric, PRV	Description No Elbow, Electric, PRV
Dim Max 12.7"H, 13.4"W, 16.1"D	Dim Max 14.6"H, 11.2"W, 16.1" D	Dim Max 12.7"H, 13.8"W, 12.1"D	Dim Max 14.6"H, 11.2"W, 12.1"D	Dim Max 17.9"H, 11.2"W, 16.1"D	Dim Max 17.9"H, 11.2"W, 12.1"D
List Price \$2435.00	List Price \$2435.00	List Price \$2435.00	List Price \$2435.00	List Price \$4700.00	List Price \$4700.00

AC Series	AC-PS Series	ACS Series	ACS-PS Series	AB-RC Series	ABS-RC Series
					
Description Elbow, Handwheel, No PRV	Description Elbow, Top Crank, No PRV	Description No Elbow, Handwheel, No PRV	Description No Elbow, Top Crank, No PRV	Description Elbow, Electric, PRV	Description No Elbow, Electric, PRV
Dim Max 13.0"H, 13.4"W, 13.5"D	Dim Max 14.4"H, 11.2"W, 13.5"D	Dim Max 11.6"H, 13.4"W, 11.0"D	Dim Max 13.5"H, 11.2"W, 11.0"D	Dim Max 16.8"H, 11.2"W, 14.0"D	Dim Max 16.8"H, 11.2"W, 11.0"D

JUMBO BIV BALL INTAKE VALVE™

AX Series - TFT's Jumbo Ball Intake valve has a huge 5.25" (133 mm) diameter waterway giving low friction loss to maximize flow. Friction loss is 3 psi at 2000 gpm (0.2 bar at 7570 l/min). Designed for use with 3.5, 4, 4.5, 5 or 6" (89, 102, 114, 127, or 152 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. 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 hardcoat anodized aluminum alloy with corrosion resistant coating for additional corrosion protection. The handwheel or 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 unit comes equipped with a rugged 3/4" (19 mm) 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 special industrial configurations not shown. Pressure Loss Chart is located at the end of catalog.

The Jumbo Intake Valve series includes a 10-year warranty against manufacturing defects and corrosion that affects the valves's operational performance.



- 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 T4 for diagram

- All 6" Storz couplings have an adjustable seal compression feature
- AX Models - Hand wheel installed on right side and can be easily switched to left side
- AP Models - Do not have 30 degree swiveling intake elbow
- To add an additional Vent/Drain for the Jumbo BIV order A1621-KIT



AX Series

**Dimensional Maximum
AX3ST-NX**
31.5 lbs (14.3 kg)
16.80" (42.7 cm) Height
13.30" (33.8 cm) Width
15.50" (39.4 cm) Depth

Jumbo Ball Intake Valve
Your Choice

\$2700.00

(*Side A = ST = **\$3020.00**)
(*Side A = SX = **\$3020.00**)
(*Side A = NY = **\$3385.00**)



AP Series

**Dimensional Maximum
AP1SX-NX**
35.2 lb (16.0 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

\$2700.00

(*Side A = ST = **\$3020.00**)
(*Side A = SX = **\$3020.00**)
(*Side A = NY = **\$3385.00**)



AX*-PS Series

**Dimensional Maximum
AX3ST-NX-PS**
31.5 lbs (14.3 kg)
18.80" (47.8 cm) Height
11.20" (28.4 cm) Width
15.50" (39.4 cm) Depth

Jumbo Ball Intake Valve
Your Choice

\$2700.00

(*Side A = ST = **\$3020.00**)
(*Side A = SX = **\$3020.00**)
(*Side A = NY = **\$3385.00**)



AP*-PS Series

**Dimensional Maximum
AP1SX-NX-PS**
35.2 lbs (16.0 kg)
12.70" (32.3 cm) Height
14.00" (35.6 cm) Width
12.20" (31.0 cm) Depth

Jumbo Short Ball Intake
Valve Your Choice

\$2700.00

(*Side A = ST = **\$3020.00**)
(*Side A = SX = **\$3020.00**)
(*Side A = NY = **\$3385.00**)

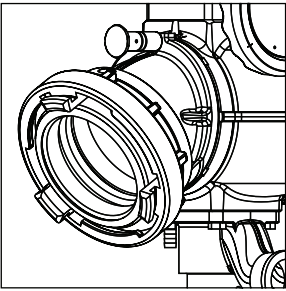
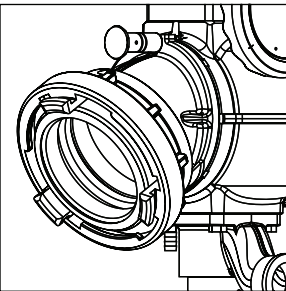
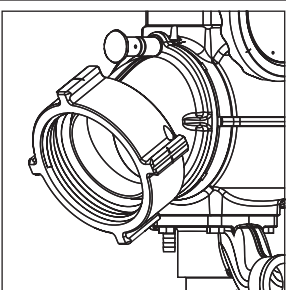
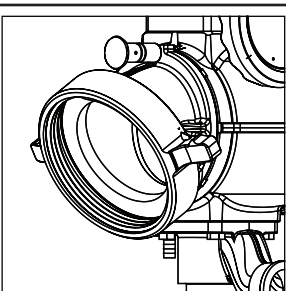
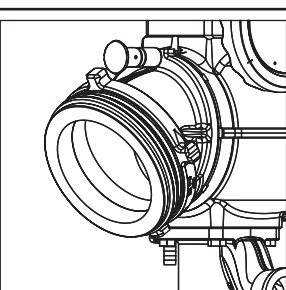
If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AX(AP) with AZ(AQ). AZ(AQ) denotes no PRV, deduct \$265 from the appropriate AX or AP published list price.

Pressure Relief Valve information is located on page B2. Suction Screen information is located on page T1, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	4.5" NH (114 mm) Pump Inlet Adapter
6" NH (152 mm) Threaded Male	AA9NX-NP \$156.00	AA9NX-NR \$156.00

JUMBO BIV BALL INTAKE VALVE™

AX/ AP		Side B		Side A	Option
AX = Angled Intake Elbow AP = No Intake Elbow		1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+		NP) 4.0" (102 mm) Long Handle Female Coupling NR) 4.5" (114 mm) Long Handle Female Coupling NT) 5.0" (127 mm) Long Handle Female Coupling NX) 6.0" (152 mm) Female Threaded Swivel NY) 8.0" (203 mm) Female Threaded Swivel * ST) 5.0" (127 mm) Storz swivel * SX) 6.0" (152 mm) Storz swivel *+	PS) Parallel Shaft Include if you want the Parallel Shaft top crank instead of the Hand Wheel. Leave blank for Hand Wheel
		3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+			
		7NN) 3.5" (89 mm) Female Threaded Swivel Rocker 7NP) 4.0" (102 mm) Female Threaded Swivel Rocker 7NR) 4.5" (114 mm) Female Threaded Swivel Rocker 7NT) 5.0" (127 mm) Female Threaded Swivel Rocker			
		7HNP) 4.0" (102 mm) Female Threaded Swivel Handle 7HNR) 4.5" (114 mm) Female Threaded Swivel Handle 7HNT) 5.0" (127 mm) Female Threaded Swivel Handle			
		8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid			

		-		-	
--	--	---	--	---	--

(Choose Style AX or AP, Side B/Side A and operator option from table)

Example 1: 30 degree inlet elbow with 4.0" (102 mm) rocker lug female swivel on Side B and 6.0" NH (152 mm) handle female swivel on Side A with hand wheel control would be AX7NP-NX

AX	7NP	-	NX	-	
----	-----	---	----	---	--

Example 2: Straight inlet with 4.0" (102 mm) Storz rigid on Side B and 6.0" NH (152 mm) handle female swivel on Side A with top crank control would be AP1SP-NX-PS

AP	1SP	-	NX	-	PS
----	-----	---	----	---	----

+ All 6" Storz couplings have an adjustable seal compression feature

NPT: American National Standard Taper Pipe Threads
per ANSI/ASME B1.20.1-2013 (R2018)

Please contact customer service for assistance in ordering.

JUMBO LOW PROFILE BIV BALL INTAKE VALVE™

AXD Series – TFT's Jumbo Low Profile Ball intake valve has a huge 5.25" (133 mm) diameter waterway giving low friction loss to maximize flow. Designed for use with 3.5, 4, 4.5, 5 or 6" (89, 102, 114, 124, or 152 mm) hose. The 30° intake elbow swivels 360°, has multiple positive detents. 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. 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 (0.3 bar at 7570 l/min); Pressure Loss Chart is located at the end of catalog.

- 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 T4 for diagram

- All 6" Storz couplings have an adjustable seal compression feature
- The aluminum castings are hardcoat anodized, and TFT Powder Coat finished inside and out for maximum corrosion protection.
- Cap lanyard anchor point is standard



The Jumbo Low Profile Ball Intake Valve series includes a 10 year warranty against manufacturing defects and corrosion that affects the valve's operational performance.

SIDE A
SWIVEL



SIDE B

LEFT
FRONT CRANK SHOWN
AXD1ST-NX-F

**Dimensional Maximum
AXD7HNX-NX-T**
26.8 lbs (12.2 kg)
14.7" (37.3 cm) Height
13.8" (35.1 cm) Width
11.3" (28.7 cm) Depth

Any Jumbo Low Profile
Ball Intake Valve
Your Choice

\$2850.00

(*Side A = ST = **\$3170.00**)
(*Side A = SX = **\$3170.00**)
(*Side A = NY = **\$3535.00**)

SIDE A
SWIVEL



SIDE B

RIGHT
TOP CRANK SHOWN
AXE3ST-NX-T

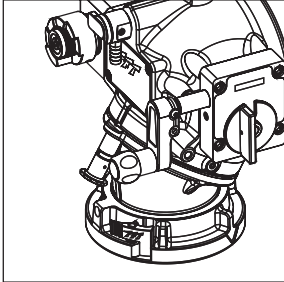
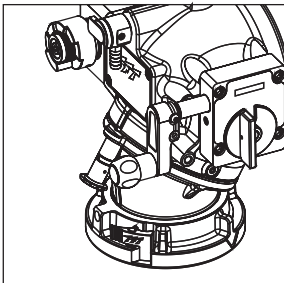
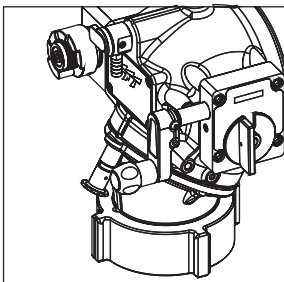
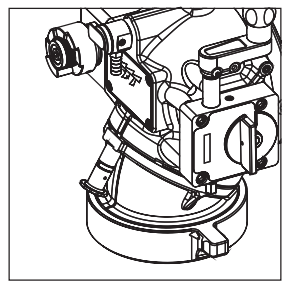
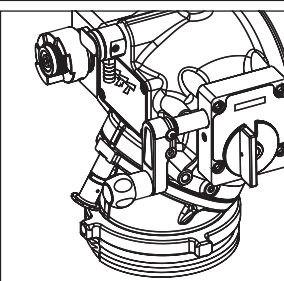
If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AXD with AZD or AXE with AZE. Z denotes no PRV, deduct \$265 from the appropriate AXD or AXE published list price.

Suction Screen information is located on page T1, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	4.5" NH (114 mm) Pump Inlet Adapter
6" NH (152 mm) Threaded Male	AA9NX-NP \$156.00	AA9NX-NR \$156.00

JUMBO LOW PROFILE BIV BALL INTAKE VALVE™

Crank Side	Side B		Side A	Crank Position
		—		—
AXD) Left AXE) Right	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+		NP) 4.0" (102 mm) Long Handle Female Coupling NR) 4.5" (114 mm) Long Handle Female Coupling NT) 5.0" (127 mm) Female Threaded Swivel NX) 6.0" (152 mm) Female Threaded Swivel NY) 8.0" (203 mm) Female Threaded Swivel * ST) 5.0" (127 mm) Storz swivel * SX) 6.0" (152 mm) Storz swivel *+	F) Front Crank T) Top Crank
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+			
	7NN) 3.5" (89 mm) Female Threaded Swivel Rocker 7NP) 4.0" (102 mm) Female Threaded Swivel Rocker 7NR) 4.5" (114 mm) Female Threaded Swivel Rocker 7NT) 5.0" (127 mm) Female Threaded Swivel Rocker			
	7HNP) 4.0" (102 mm) Female Threaded Swivel Handle 7HNR) 4.5" (114 mm) Female Threaded Swivel Handle 7HNT) 5.0" (127 mm) Female Threaded Swivel Handle 7HNX) 6.0" (152 mm) Female Threaded Swivel Handle			
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid			

AX*

—

—

(Choose left or right, side B, side A, and crank position options from table)

Example: A Left 4.0" (102 mm) Rocker Lug Female Swivel on Side B to a 6.0" NH (152 mm) Female Swivel on Side A with front crank would be

AXD 7 N P - N X - F

+ All 6" Storz couplings have an adjustable seal compression feature

2.5" (64 mm) 45° Hi-Rise Valve

The TFT High Rise Kit helps eliminate cumbersome hose line setups and allows visibility of the supply pressure at the standpipe. The single piece 2.5" (64 mm) high flow elbow with pressure gauge is available with or without an integrated slow-close, half-ball valve. The single piece with swiveling couplings and pressure gauge section, eliminates fumbling with multiple pieces allowing a quick connection. The large, easy-to-read pressure gauge is protected by a heavy duty housing with a replaceable lens. The pressure gauge swivels 360° for easy visibility. A quarter-turn bleeder valve

allows quick pressure bleeding of the waterway. The slow close valve includes a position indicator and the valve handle can be ordered on the left side or right side. The full-flow 2.5" waterway valve will not slam shut, while allowing easy movement under pressure. The High Rise Kit includes a heavy duty duffel bag, two spanner wrenches, a 2.5" x 1.5" (64 x 38 mm) reducer for use with 1.5" (38 mm) coupled hose, and a 1.5" x 2.5" (38 x 64 mm) increaser for break and extend operations from a 1.5" (38 mm) ball valve shut-off.



AVG2ENJNJ
\$1050.00
 8.0 lbs (3.6 kg)
 11.4" (289 mm) Length
 5.8" (146 mm) Width
 9.4" (238 mm) Height

- 45° standpipe waterway with no valve
- Full 2.5" (64 mm) waterway that results in maximum flow rate with minimal friction loss
- Includes an air bleeder and a protected in-line pressure gauge that reads 0 – 200 psi (0-14 bar)
- Swivels 360° to fit the widest variety of standpipe connections
- Gauge reads outlet pressure



AVGSC2LNJNJ
\$1475.00
 9.6 lbs (4.4 kg)
 11.4" (289 mm) Length
 8.8" (224 mm) Width
 9.4" (238 mm) Height

- 45° standpipe waterway with a Left-handle slow close valve
- Full 2.5" (64 mm) waterway that results in maximum flow rate with minimal friction loss
- Includes a position indicator, which identifies open and close positions
- Includes an air bleeder and a protected in-line pressure gauge that reads 0 – 200 psi (0-14 bar)
- Valve body swivels 360° before tightening and gauge body always swivels 360° to fit the widest variety of standpipe connections
- Gauge reads outlet pressure



AVGSC2RNJNJ
\$1475.00
 9.6 lbs (4.4 kg)
 11.4" (289 mm) Length
 8.1" (206 mm) Width
 9.4" (238 mm) Height

- 45° standpipe waterway with a Right-handle slow close valve
- Full 2.5" (64 mm) waterway that results in maximum flow rate with minimal friction loss
- Includes a position indicator, which identifies open and close positions
- Includes an air bleeder and a protected in-line pressure gauge that reads 0 – 200 psi (0-14 bar)
- Valve body swivels 360° before tightening and gauge body always swivels 360° to fit the widest variety of standpipe connections
- Gauge reads outlet pressure

HI-RISE KIT

Configurable for Different Stand Pipe Installations

HI-RISE-L (Left Handle Kit)

\$1925.00

The kit includes a Compact Duffel Bag, 2.5" (64 mm) Standpipe Valve with left side handle, integrated Pressure Gauge, (2) Spanner Wrenches, a 2.5" X 1.5" (64 x 38 mm) Reducer for use with a 1.5" (38 mm) coupled hose off the valve, and a 1.5" X 2.5" (38 x 64 mm) Increaser for break and extend hose operations off of a ball shut-off valve.

HI-RISE-R (Right Handle Kit)

\$1925.00

The kit includes a Compact Duffel Bag, 2.5" (64 mm) Standpipe Valve with right side handle, integrated Pressure Gauge, (2) Spanner Wrenches, a 2.5" X 1.5" (64 x 38 mm) Reducer for use with a 1.5" (38 mm) coupled hose off the valve, and a 1.5" X 2.5" (38 x 64 mm) Increaser for break and extend hose operations off of a ball shut-off valve.

HI-RISE-E (Elbow Kit, No Valve)

\$1495.00

This configuration has no internal valve and can be used as a Standpipe elbow with integrated Pressure Gauge. The kits include a Compact Duffel Bag, 2.5" (64 mm) Standpipe Elbow with pressure gauge, (2) Spanner Wrenches, a 2.5" X 1.5" (64 x 38 mm) Reducer for use with a 1.5" (38mm) coupled hose off the elbow, and a 1.5" X 2.5" (38 x 64 mm) Increaser for break and extend hose operations off of a ball shut-off valve.

The large 2.5" (64 mm) Gauge is protected in a heavy duty housing and features a replaceable window.

The Pressure Gauge swivels 360 degrees for easy visibility in tight spaces.

Equipped with an integrated Air Bleeder Valve.

2.5" (64 mm) Standpipe Valve with In-Line Pressure Gauge

Compact, Heavy Duty Duffel Bag

2.5" X 1.5"
(64 X 38 mm)
Reducer

1.5" X 2.5"
(38 X 64 mm)
Increaser

2 Spanner Wrenches

FORESTRY VALVES

Forestry Tee Valves In-Line Valves and Gated Wyes

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



**ATNF-ND
ATNF-ID
ATIF-ND
ATIF-ID**

MODEL	THREADS		INLET COUPLING	TEE VALVE BRANCH	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET					
ATNF-ND	1.5" NH (38 mm)	1.5" NH (38 mm)	Hexagon Fixed	1.0" NH (25 mm)	4.75" (12.1 cm)	1.0 lb (0.5 kg)	\$95.00
ATNF-ID	1.5" NH (38 mm)	1.5" NH (38 mm)	Hexagon Fixed	1.0" NPSH (25 mm)	4.75" (12.1 cm)	1.0 lb (0.5 kg)	\$95.00
ATIF-ND	1.5" NPSH (38 mm)	1.5" NPSH (38 mm)	Hexagon Fixed	1.0" NH (25 mm)	4.75" (12.1 cm)	1.0 lb (0.5 kg)	\$95.00
ATIF-ID	1.5" NPSH (38 mm)	1.5" NPSH (38 mm)	Hexagon Fixed	1.0" NPSH (25 mm)	4.75" (12.1 cm)	1.0 lb (0.5 kg)	\$95.00

IN-LINE VALVE has an aluminum body with 1" (25 mm) 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" (10.2 cm) long by 2.25" (5.7 cm) wide, excluding handles. NPSH threads available at no extra cost. Please specify NPSH in description.



**AVLND-ND
AVLNF-ND
AVLNF-NF**



**AVSND-ND
AVSNF-ND
AVSNF-NF**

MODEL	THREADS		COUPLING	VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET					
AVLND-ND	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Long Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	\$130.00
AVLNF-ND	1.5" NH (38 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Long Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	\$130.00
AVLNF-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Long Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	\$130.00
AVSND-ND	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Short Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	\$130.00
AVSNF-ND	1.5" NH (38 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Short Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	\$130.00
AVSNF-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Short Handle	4.0" (10.2 cm)	1.4 lb (0.6 kg)	\$130.00

FORESTRY GATED WYE has a cast aluminum body with 1" (25 mm) 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" (25 mm & 38 mm) NH and NPSH.

Pressure tested to 1000 psi (70 bar) and is 5" (12.7 cm) long by 5.5" (14 cm) wide, excluding handles. See charts on next page for model numbers. NPSH threads available at no extra cost. Please specify NPSH in description.



**AYLND-ND
AYLND-NF
AYLNF-ND
AYLNF-NF**



**AYSND-ND
AVSNF-ND
AYSNF-NF**

Continued on next page.

FORESTRY AND GATED WYES

Forestry and Gated Wyes

Continued from previous page.

MODEL	THREADS		COUPLING	VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE					
AYLND-ND	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Long Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	\$235.00
AYLND-NF	1.0" NH (25 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Long Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	\$235.00
AYLNF-ND	1.5" NH (38 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Long Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	\$235.00
AYLNF-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Long Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	\$235.00
AYSND-ND	1.0" NH (25 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Short Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	\$235.00
AYSNF-ND	1.5" NH (38 mm)	1.0" NH (25 mm)	Rocker Lug Swivel	Short Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	\$235.00
AYSNF-NF	1.5" NH (38 mm)	1.5" NH (38 mm)	Rocker Lug Swivel	Short Handle	5.0" (12.7 cm)	2.2 lb (1.0 kg)	\$235.00

2.5" x 1.5" (64 mm x 38 mm) Gated Wye



AYNJ-NF

- Quarter-turn aluminum ball valves provide a positive shut-off
- Hardcoat anodized couplings
- Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out
- Full flow 1.5" (38 mm) ball waterway
- Super tough nylon color coded folding handles



AYSNJ-NF

- Quarter-turn aluminum ball valves provide a positive shut-off
- Hardcoat anodized couplings
- Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out
- Full flow 1.5" (38 mm) ball waterway
- Hardcoat anodized aluminum color coded short handles



**AYG-NJ-NF
AYT-NJ-NF**

- Intended for use in high rise packs
- One branch connects to the hose the other branch has a quarter-turn aluminum ball valve for a positive shut-off
- A 0-200 psi (0-14 bar) pressure gauge on top of the wye
- Hardcoat anodized couplings
- Rugged lightweight aluminum alloy casting with durable powder coat finish inside and out
- Full flow 1.5" (38 mm) ball waterway
- Super tough nylon folding handle

MODEL	THREADS		COUPLING	VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE					
AYNJ-NF	2.5" NH (64 mm)	(2) 1.5" NH (38 mm)	Rocker Lug Swivel	Long Handles	6.0" x 6.75" (15.2 x 17.1 cm)	3.6 lb (1.6 kg)	\$520.00
AYSNJ-NF	2.5" NH (64 mm)	(2) 1.5" NH (38 mm)	Rocker Lug Swivel	Short Handles	5.2" x 6.75" (13.2 x 17.1 cm)	4.9 lb (2.2 kg)	\$520.00
AYG-NJ-NF	2.5" NH (64 mm)	(2) 1.5" NH (38 mm)	Rocker Lug Swivel	Long Handle	6.0" x 6.75" (15.2 x 17.1 cm)	4.9 lb (2.2 kg)	\$520.00
AYT-NJ-NF	2.5" NH (64 mm)	(1) 1.5" NH (38 mm) & (1) 2.5" NH (64 mm)	Rocker Lug Swivel	Long Handle	6.0" x 6.75" (15.2 x 17.1 cm)	4.9 lb (2.2 kg)	\$520.00

2.5" (64 mm) HYDRANT VALVE

TFT's Quarter Turn Hydrant Valve is a lightweight valve with a full 2.5" (64 mm) waterway. 300 psi (21 bar) operating pressure from either side of valve. 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 hardcoat anodized aluminum for additional corrosion protection. Pipe threaded port for pressure gauge or bleeder valve. Aluminum casting is hardcoated and silver TFT-powder coat finish inside and out for maximum corrosion protection.



AV5NJ-NJ

- Quarter-turn aluminum ball valve provide a positives shut-off
- Field replaceable valve seat
- Super tough nylon folding handle
- A1621-KIT Vent drain kit available



AV5HNJ-NJ

- Quarter-turn aluminum ball valves provide a positive shut-off
- Field replaceable valve seat
- Super tough nylon folding handle
- A1621-KIT Vent drain kit available



AV5NJ-NJ-SC

- Slow close multi-turn knob prevents water hammer
- Includes valve position indicator
- Field replaceable valve seat
- A1621-KIT Vent drain kit available



AV5HNJ-NJ-SC

- Slow close multi-turn knob prevents water hammer
- Includes valve position indicator
- Field replaceable valve seat
- A1621-KIT Vent drain kit available

NFPA 1964
COMPLIANT

MODEL	THREADS		INLET COUPLING	WATERWAY SIZE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET					
AV5NJ-NJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	2.5" (64 mm)	7.6"H x 5.7"W x 8.4"L (19.3 x 14.5 x 21.3 cm)	5.8 lb (2.6 kg)	\$555.00
AV5HNJ-NJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	2.5" (64 mm)	7.6"H x 9.0"W x 8.4"L (19.3 x 22.9 x 21.3 cm)	5.8 lb (2.6 kg)	\$555.00
AV5NJ-NJ-SC	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	2.5" (64 mm)	9.1"H x 5.7"W x 8.4"L (22.6 x 14.5 x 21.3 cm)	5.8 lb (2.6 kg)	\$600.00
AV5HNJ-NJ-SC	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	2.5" (64 mm)	9.1"H x 9.0"W x 8.4"L (22.6 x 22.9 x 21.3 cm)	5.8 lb (2.6 kg)	\$600.00

2.5" x 1.5" (64 mm x 38 mm) WATER THIEF

TFT's Water Thief is a lightweight valve with full 2.5" and 1.5" (64 mm and 38 mm) waterways. 300 psi (21 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" (64 mm) valve keeps its position while flowing at partial openings. Special

internal contour on the 1.5" (38 mm) valves keeps them in position while flowing. Aluminum casting is hardcoat anodized and silver TFT-powder coat finish inside and out for maximum corrosion protection. Slow close 2.5" (64 mm) valve models available.



WT5NJ-NJ-NF

- Folding nylon handles minimize storage space
- Red, blue, and orange valve color coding
- Pipe theaded port for pressure gauge
- Strap assists in carrying and dragging hose



WT5HNJ-NJ-NF

- Folding nylon handles minimize storage space
- Red, blue, and orange valve color coding
- Pipe theaded port for pressure gauge
- Strap assists in carrying and dragging hose

MODEL	THREADS		INLET COUPLING	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE				
WT5NJ-NJ-NF	2.5" (64 mm)	2.5" (64 mm), (2) 1.5" (38 mm)	Rocker Lug Swivel	7.6"H x 9.8"W x 10.6"L (19.3 x 24.9 x 26.9 cm)	9.7 lb (4.4 kg)	\$1300.00
WT5HNJ-NJ-NF	2.5" (64 mm)	2.5" (64 mm), (2) 1.5" (38 mm)	Swivel Long Handle	7.6"H x 9.8"W x 10.6"L (19.3 x 24.9 x 26.9 cm)	10.4 lb (4.7 kg)	\$1300.00

2.5" (64 mm) SLOW CLOSE HI-RISE VALVE

TFT's 2.5" (64 mm) Slow Close High Rise Valve is a lightweight valve with a full 2.5" (64 mm) waterway designed for use on standpipes, truck outlets, on the ground, or where having a pressure reading is advantageous. 300 psi (21 bar) operating pressure from either side of valve. Automatic valve lock keeps valve position while flowing at partial openings. All the components on the wet side of the valve are made of hardcoat anodized aluminum for additional corrosion protection. Anchor point for cap tether attachment. Aluminum casting is hardcoated and silver TFT-powder coat finish inside and out for maximum corrosion protection. The In-line 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. Pivoting outlets cut the weight of hi-rise packs by eliminating separate components. Fully pivoting the discharge changes the gauge reading by less than 5 psi (0.3 bar) at 500 gpm (2000 l/min).



AVGSC3FNJNJ
AVGSC2FNJNJ

- Slow close knob has low force to rotate valve even under pressure
- Valve position indicator
- Pipe threaded port for bleeder valve
- Field replaceable valve seat.



AVGSC3FHNJNJ
AVGSC2FHNJNJ

- Slow close knob has low force to rotate valve even under pressure
- Valve position indicator
- Pipe threaded port for bleeder valve
- Field replaceable valve seat.



AVGSC3SNJNJ
AVGSC2SNJNJ

- Slow close knob has low force to rotate valve even under pressure
- Valve position indicator
- Pipe threaded port for bleeder valve
- Field replaceable valve seat
- Pivoting outlet joint that moves $\pm 20^\circ$ from center for controlling hose kinks on standpipes with horizontal or vertical discharge



AVGSC3SHNJNJ
AVGSC2SHNJNJ

- Slow close knob has low force to rotate valve even under pressure
- Valve position indicator
- Pipe threaded port for bleeder valve
- Field replaceable valve seat
- Pivoting outlet joint that moves $\pm 20^\circ$ from center for controlling hose kinks on standpipes with horizontal or vertical discharge

MODEL	THREADS		INLET COUPLING	PIVOTING OUTLET	PRESSURE GAUGE	LENGTH	WEIGHT	LIST PRICE
	INLET FEMALE	OUTLET MALE						
AVGSC3FNJNJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	NO	0-300 psi (0-21 bar)	7.7"H x 5.6"W x 12.4"L (19.6 x 14.2 x 31.5 cm)	9.4 lb (4.3 kg)	\$995.00
AVGSC2FHNJNJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	NO	0-200 psi (0-14 bar)	7.7"H x 5.6"W x 12.4"L (19.6 x 14.2 x 31.5 cm)	9.4 lb (4.3 kg)	\$995.00
AVGSC3SNJNJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	$\pm 20^\circ$ pivoting NH male	0-300 psi (0-21 bar)	7.7"H x 5.6"W x 14.1"L (19.6 x 14.2 x 35.8 cm)	9.5 lb (4.3 kg)	\$995.00
AVGSC2FNJNJ	2.5" (64 mm)	2.5" (64 mm)	Rocker Lug Swivel	$\pm 20^\circ$ pivoting NH male	0-200 psi (0-14 bar)	7.7"H x 5.6"W x 14.1"L (19.6 x 14.2 x 35.8 cm)	9.5 lb (4.3 kg)	\$995.00
AVGSC3FHNJNJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	NO	0-300 psi (0-21 bar)	7.7"H x 9.0"W x 12.4"L (19.6 x 22.9 x 31.5 cm)	9.4 lb (4.3 kg)	\$995.00
AVGSC2SHNJNJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	NO	0-200 psi (0-14 bar)	7.7"H x 9.0"W x 12.4"L (19.6 x 22.9 x 31.5 cm)	9.4 lb (4.3 kg)	\$995.00
AVGSC3SHNJNJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	$\pm 20^\circ$ pivoting NH male	0-300 psi (0-21 bar)	7.7"H x 9.0"W x 14.1"L (19.6 x 22.9 x 35.8 cm)	10.1 lb (4.6 kg)	\$995.00
AVGSC2SNJNJ	2.5" (64 mm)	2.5" (64 mm)	Swivel Long Handle	$\pm 20^\circ$ pivoting NH male	0-200 psi (0-14 bar)	7.7"H x 9.0"W x 14.1"L (19.6 x 22.9 x 35.8 cm)	10.1 lb (4.6 kg)	\$995.00

2.5" (64 mm) GATED WYE

TFT's 2 ½ Inch (64 mm) Gated Wye is a lightweight wye with a full 2 ½ inch (64 mm) waterway. 300 psi (21 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.



AY5NJ-NJ
AY5NP-NJ
AY5NR-NJ
AY5NT-NJ



AY5HNJ-NJ
AY5HNP-NJ
AY5HNR-NJ
AY5HNT-NJ
AY5HNX-NJ



AY8SP-NJ
AY8ST-NJ
AY8SX-NJ

**NFPA 1964
COMPLIANT**

MODEL	THREADS		COUPLING		VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET	INLET	OUTLET				
AY5NJ-NJ	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.4 lb (4.7 kg)	\$1530.00
AY5NP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.1 lb (5.5 kg)	\$1640.00
AY5NR-NJ	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.4 lb (6.0 kg)	\$1690.00
AY5NT-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.0 lb (6.1 kg)	\$1885.00
AY5HNJ-NJ	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.8 lb (4.9 kg)	\$1530.00
AY5HNP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.3 lb (5.6 kg)	\$1640.00
AY5HNR-NJ	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19.0 cm)	13.5 lb (6.1 kg)	\$1690.00
AY5HNT-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19.0 cm)	13.4 lb (6.1 kg)	\$1885.00
AY5HNX-NJ	6.0 " NH (152 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.2 lb (5.5 kg)	\$2080.00
AY8SP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.2 lb (5.1 kg)	\$1860.00
AY8ST-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.9 lb (5.9 kg)	\$2080.00
AY8SX-NJ	6.0 " NH (152 mm)+	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	15.4 lb (7.0 kg)	\$2265.00

AY175-KIT - GAUGE KIT is available for the AY Series Gated Wye. See page T2

A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page T4

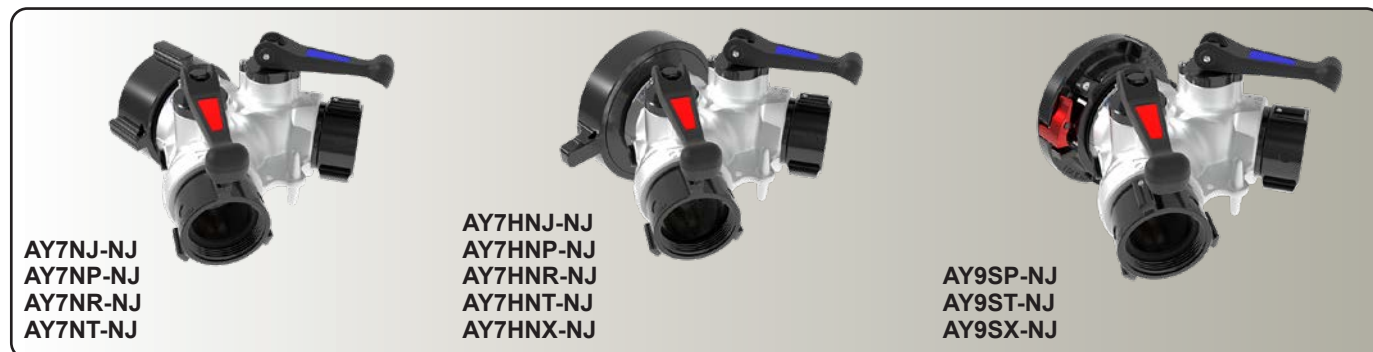
To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

2.5" (64 mm) GATED SIAMESE

TFT's 2 ½ Inch (64 mm) Gated Siamese is a lightweight wye with a full 2 ½ inch (64 mm) waterway. 300 psi (21 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.



**NFPA 1964
COMPLIANT**

MODEL	THREADS		COUPLING		VALVE HANDLE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET	INLET	OUTLET				
AY7NJ-NJ	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.1 lb (4.6 kg)	\$1530.00
AY7NP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.1 lb (5.9 kg)	\$1640.00
AY7NR-NJ	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.4 lb (6.5 kg)	\$1690.00
AY7NT-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.6 lb (6.2 kg)	\$1885.00
AY7HNJ-NJ	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.9 lb (5.4 kg)	\$1530.00
AY7HNP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	13.7 lb (6.2 kg)	\$1640.00
AY7HNR-NJ	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.6 lb (6.6 kg)	\$1690.00
AY7HNT-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.4 lb (6.5 kg)	\$1885.00
AY7HNX-NJ	6.0" NH (152 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.4 lb (6.5 kg)	\$2080.00
AY9SP-NJ	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.3 lb (5.6 kg)	\$1860.00
AY9ST-NJ	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	14.0 lb (6.4 kg)	\$2080.00
AY9SX-NJ	6.0" NH (152 mm)+	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Long Handle	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	16.5 lb (7.5 kg)	\$2265.00

AY175-KIT - GAUGE KIT is available for the AY Series Gated Wye. See page T2

A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page T4

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

2.5" (64 mm) GATED WYE - SLOW CLOSE

TFT's 2.5" (64 mm) Gated Wye is a lightweight wye with a full 2.5" (64 mm) waterway. 300 psi (21 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 bleeder 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.



AY5NJ-NJ-SC
AY5NP-NJ-SC
AY5NR-NJ-SC
AY5NT-NJ-SC



AY5HNP-NJ-SC
AY5HNR-NJ-SC
AY5HNT-NJ-SC
AY5HNX-NJ-SC



AY8SP-NJ-SC
AY8ST-NJ-SC
AY8SX-NJ-SC

**NFPA 1964
COMPLIANT**

MODEL	THREADS		COUPLING		SLOW CLOSE VALVE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET	INLET	OUTLET				
AY5NJ-NJ-SC	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$1620.00
AY5NP-NJ-SC	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$1730.00
AY5NR-NJ-SC	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$1780.00
AY5NT-NJ-SC	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$1975.00
AY5HNP-NJ-SC	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$1620.00
AY5HNP-NJ-SC	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$1730.00
AY5HNR-NJ-SC	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$1780.00
AY5HNT-NJ-SC	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$1975.00
AY5HNX-NJ-SC	6.0" NH (152 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	10.2 lb (4.6 kg)	\$2170.00
AY8SP-NJ-SC	4.0" (102 mm)	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	\$1950.00
AY8ST-NJ-SC	5.0" (127 mm)	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	\$2170.00
AY8SX-NJ-SC	6.0" (152 mm)+	(2) 2.5" NH (64 mm)	Storz	Male Threaded	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	\$2355.00

AY175-KIT - GAUGE KIT is available for the AY Series Gated Wye. See page T2

A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page T4

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

2.5" (64 mm) GATED SIAMESE - SLOW CLOSE

TFT's 2.5" (64 mm) Gated Siamese is a lightweight wye with a full 2.5" (64 mm) waterway. 300 psi (21 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 bleeder 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.



**NFPA 1964
COMPLIANT**

MODEL	THREADS		COUPLING		SLOW CLOSE VALVE	LENGTH	WEIGHT	LIST PRICE
	INLET	OUTLET	INLET	OUTLET				
AY7NJ-NJ-SC	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$1620.00
AY7NP-NJ-SC	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$1730.00
AY7NR-NJ-SC	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$1780.00
AY7NT-NJ-SC	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Rocker Lug Swivel	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$1975.00
AY7HNJ-NJ-SC	2.5" NH (64 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$1620.00
AY7HNP-NJ-SC	4.0" NH (102 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$1730.00
AY7HNR-NJ-SC	4.5" NH (114 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$1780.00
AY7HNT-NJ-SC	5.0" NH (127 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$1975.00
AY7HNX-NJ-SC	6.0" NH (152 mm)	(2) 2.5" NH (64 mm)	Female Swivel Handle	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	11.0 lb (5.0 kg)	\$2170.00
AY9SP-NJ-SC	4.0" (102 mm)	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	\$1920.00
AY9ST-NJ-SC	5.0" (127 mm)	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	\$2170.00
AY9SX-NJ-SC	6.0" (152 mm)+	(2) 2.5" NH (64 mm)	Storz	Rocker Lug Swivel	Multi-turn knob	8.9" H x 10.5" W x 7.4" D (23 x 27 x 19 cm)	12.0 lb (5.4 kg)	\$2355.00

AY175-KIT - GAUGE KIT is available for the AY Series Gated Wye. See page T2

A1621-KIT - VENT DRAIN KIT is available for the AY Series Gated Wye. See page T4

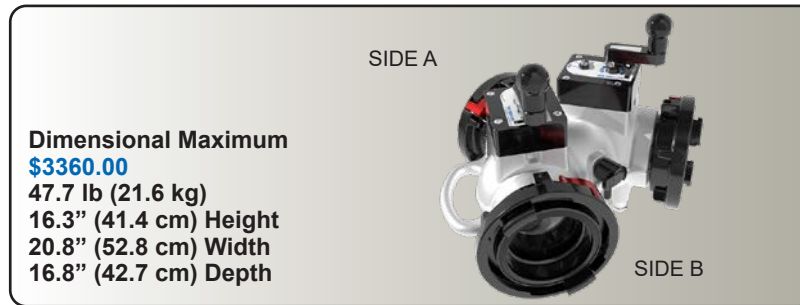
To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

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 (21 bar) pressure gauge 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

\$3360.00

47.7 lb (21.6 kg)

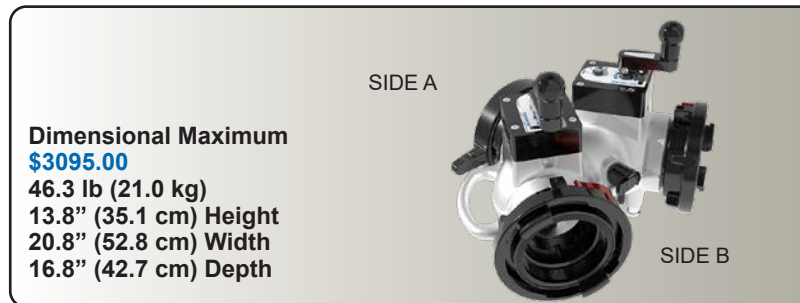
16.3" (41.4 cm) Height

20.8" (52.8 cm) Width

16.8" (42.7 cm) Depth

DUAL BALL INTAKE VALVE - Truck / Fixed Applications

AL2	SIDE A		SIDE B (2 Couplings)		PRV
	TYPE	SIZE	TYPE	SIZE	
					1
	1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug (FTS) 5) Female Long Handle (FTS) 6) Female Long Handle (NFS) 7) Rigid Male	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug (FTS) 7) Rigid Male	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	1) PRV



Dimensional Maximum

\$3095.00

46.3 lb (21.0 kg)

13.8" (35.1 cm) Height

20.8" (52.8 cm) Width

16.8" (42.7 cm) Depth

LDH GATED WYE - Ground / Loose Equipment

AL2	SIDE A		SIDE B (2 Couplings)		PRV
	TYPE	SIZE	TYPE	SIZE	
					0
	1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug (FTS) 5) Female Long Handle (FTS) 6) Female Long Handle (NFS) 7) Rigid Male	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	1) Storz Rigid 2) Storz Swivel 3) Female Rocker Lug (FTS) 7) Rigid Male	P) 4" (102 mm) R) 4.5" (114 mm) T) 5" (127 mm) X) 6" (152 mm)	0) NO PRV



- Stainless Steel
- Mounts vertically or horizontally
- Not for units with PRV

AU-BRACKET

\$285.00

5.5 lbs. (2.5 kg)

12.5" W x 11.1" D x 1.0" H

(31.8 x 28.2 x 2.5 cm)

NFS, Non-Full-time Swivel. Coupling will not swivel after tightening connection

FTS, Full-time Swivel. Coupling can still swivel after tightening connection.

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

JUMBO SIAMESE DUAL CLAPPER

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 150 mm) 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.

AS2		SIDE A - Single Male Rigid NH			
		4.0" (102 mm) Threaded Rigid	4.5" (114 mm) Threaded Rigid	5.0" (127 mm) Threaded Rigid	6.0" (152 mm) Threaded Rigid
SIDE B - Dual	4.0" (102 mm) Storz	AS2SP-NP \$1330.00	AS2SP-NR \$1330.00	AS2SP-NT \$1330.00	AS2SP-NX \$1420.00
	5.0" (127 mm) Storz	AS2ST-NP \$1420.00	AS2ST-NR \$1420.00	AS2ST-NT \$1420.00	AS2ST-NX \$1475.00
	6.0" (152 mm) Storz Swivel+	AS2SX-NP \$1475.00	AS2SX-NR \$1555.00	AS2SX-NT \$1555.00	AS2SX-NX \$1555.00



AS3		SIDE A - Single Female Swivel Rocker NH			
		4.0" (102 mm) Threaded Swivel	4.5" (114 mm) Threaded Swivel	5.0" (127 mm) Threaded Swivel	6.0" (152 mm) Threaded Swivel*
SIDE B - Dual Swivel	4.0" (102 mm) Storz	AS3SP-NP \$1330.00	AS3SP-NR \$1330.00	AS3SP-NT \$1420.00	AS3SP-NX \$1420.00
	5.0" (127 mm) Storz	AS3ST-NP \$1420.00	AS3ST-NR \$1475.00	AS3ST-NT \$1475.00	AS3ST-NX \$1535.00
	6.0" (152 mm) Storz Swivel+	AS3SX-NP \$1555.00	AS3SX-NR \$1555.00	AS3SX-NT \$1615.00	AS3SX-NX \$1685.00

* Short handle only. All others rocker lug.



AS4		SIDE A - Single Storz		
		4.0" (102 mm) Storz	5.0" (127 mm) Storz	6.0" (152 mm) Storz Swivel+
SIDE B - Dual	4.0" (102 mm) Storz	AS4SP-SP \$1420.00	AS4SP-ST \$1420.00	AS4SP-SX \$1475.00
	5.0" (127 mm) Storz	AS4ST-SP \$1475.00	AS4ST-ST \$1535.00	AS4ST-SX \$1535.00
	6.0" (152 mm) Storz Swivel+	AS4SX-SP \$1645.00	AS4SX-ST \$1685.00	AS4SX-SX \$1730.00



To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

JUMBO SIAMESE DUAL CLAPPER

AS5		SIDE A - Single Male Rigid NH			
		4.0" (102 mm) Threaded Male Rigid	4.5" (114 mm) Threaded Male Rigid	5.0" (127 mm) Threaded Male Rigid	6.0" (152 mm) Threaded Male Rigid
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AS5NL-NP \$885.00	AS5NL-NR \$935.00	AS5NL-NT \$995.00	AS5NL-NX \$1080.00
	3.5" (89 mm) Threaded Swivel	AS5NN-NP \$910.00	AS5NN-NR \$970.00	AS5NN-NT \$1030.00	AS5NN-NX \$1105.00
	4.0" (110 mm) Threaded Swivel	AS5NP-NP \$935.00	AS5NP-NR \$995.00	AS5NP-NT \$1030.00	AS5NP-NX \$1135.00
	4.5" (114 mm) Threaded Swivel	AS5NR-NP \$970.00	AS5NR-NR \$1030.00	AS5NR-NT \$1055.00	AS5NR-NX \$1160.00
	5.0" (127 mm) Threaded Swivel	AS5NT-NP \$995.00	AS5NT-NR \$1030.00	AS5NT-NT \$1080.00	AS5NT-NX \$1160.00



AS7		SIDE A - Single Female Swivel Rocker NH			
		4.0" (102 mm) Threaded Swivel	4.5" (114 mm) Threaded Swivel	5.0" (127 mm) Threaded Swivel	6.0" (152 mm) Threaded Swivel*
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AS7NL-NP \$935.00	AS7NL-NR \$995.00	AS7NL-NT \$1030.00	AS7NL-NX \$1135.00
	3.5" (89 mm) Threaded Swivel	AS7NN-NP \$970.00	AS7NN-NR \$1030.00	AS7NN-NT \$1055.00	AS7NN-NX \$1160.00
	4.0" (110 mm) Threaded Swivel	AS7NP-NP \$995.00	AS7NP-NR \$1030.00	AS7NP-NT \$1080.00	AS7NP-NX \$1185.00
	4.5" (114 mm) Threaded Swivel	AS7NR-NP \$1030.00	AS7NR-NR \$1055.00	AS7NR-NT \$1105.00	AS7NR-NX \$1185.00
	5.0" (127 mm) Threaded Swivel	AS7NT-NP \$1030.00	AS7NT-NR \$1080.00	AS7NT-NT \$1135.00	AS7NT-NX \$1250.00



*Short handle only. All others rocker lug.

AS9		SIDE A - Single Storz Swivel		
		4.0" (102 mm) Storz	5.0" (127 mm) Storz	6.0" (152 mm) Storz Swivel +
SIDE B - Dual Female Swivel Rocker NH	2.5" (64 mm) Threaded Swivel	AS9NJ-SP# \$650.00	AS9NJ-ST# \$650.00	AS9NJ-SX# \$890.00
	3.0" (76 mm) Threaded Swivel	AS9NL-SP \$995.00	AS9NL-ST \$1080.00	AS9NL-SX \$1185.00
	3.5" (89 mm) Threaded Swivel	AS9NN-SP \$1030.00	AS9NN-ST \$1105.00	AS9NN-SX \$1185.00
	4.0" (110 mm) Threaded Swivel	AS9NP-SP \$1030.00	AS9NP-ST \$1135.00	AS9NP-SX \$1250.00
	4.5" (114 mm) Threaded Swivel	AS9NR-SP \$1055.00	AS9NR-ST \$1160.00	AS9NR-SX \$1275.00
	5.0" (127 mm) Threaded Swivel	AS9NT-SP \$1080.00	AS9NT-ST \$1185.00	AS9NT-SX \$1275.00



AS9*-* #

#Single clapper only. Single Leg.
Does not include carrying handle.

To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

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.

AW2		SIDE A - Single Male Rigid NH			
		4.0" (102 mm) Threaded Rigid	4.5" (114 mm) Threaded Rigid	5.0" (127 mm) Threaded Rigid	6.0" (152 mm) Threaded Rigid
SIDE B - Dual	4.0" (102 mm) Storz	AW2SP-NP \$1185.00	AW2SP-NR \$1220.00	AW2SP-NT \$1275.00	AW2SP-NX \$1330.00
	5.0" (127 mm) Storz	AW2ST-NP \$1330.00	AW2ST-NR \$1330.00	AW2ST-NT \$1420.00	AW2ST-NX \$1420.00
	6.0" (152 mm) Storz Swivel+	AW2SX-NP \$1475.00	AW2SX-NR \$1475.00	AW2SX-NT \$1475.00	AW2SX-NX \$1535.00



AW3		SIDE A - Single Female Swivel Rocker NH			
		4.0" (102 mm) Threaded Swivel	4.5" (114 mm) Threaded Swivel	5.0" (127 mm) Threaded Swivel	6.0" (152 mm) Threaded Swivel
SIDE B - Dual	4.0" (102 mm) Storz	AW3SP-NP \$1275.00	AW3SP-NR \$1275.00	AW3SP-NT \$1275.00	AW3SP-NX \$1420.00
	5.0" (127 mm) Storz	AW3ST-NP \$1420.00	AW3ST-NR \$1420.00	AW3ST-NT \$1420.00	AW3ST-NX \$1420.00
	6.0" (152 mm) Storz Swivel+	AW3SX-NP \$1475.00	AW3SX-NR \$1535.00	AW3SX-NT \$1535.00	AW3SX-NX \$1615.00



*Short handle only. All others rocker lug.

AW4		SIDE A - Single Storz		
		4.0" (102 mm) Storz	5.0" (127 mm) Storz	6.0" (152 mm) Storz Swivel+
SIDE B - Dual	4.0" (102 mm) Storz	AW4SP-SP \$1330.00	AW4SP-ST \$1420.00	AW4SP-SX \$1475.00
	5.0" (127 mm) Storz	AW4ST-SP \$1420.00	AW4ST-ST \$1475.00	AW4ST-SX \$1475.00
	6.0" (152 mm) Storz Swivel+	AW4SX-SP \$1535.00	AW4SX-ST \$1615.00	AW4SX-SX \$1675.00



To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

+ All 6" Storz couplings have an adjustable seal compression feature

JUMBO WYE

AW5		SIDE A - Single Male Rigid NH			
		4.0" (102 mm) Threaded Male Rigid	4.5" (114 mm) Threaded Male Rigid	5.0" (127 mm) Threaded Male Rigid	6.0" (152 mm) Threaded Male Rigid
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AW5NL-NP \$850.00	AW5NL-NR \$910.00	AW5NL-NT \$935.00	AW5NL-NX \$1030.00
	3.5" (89 mm) Threaded Swivel	AW5NN-NP \$885.00	AW5NN-NR \$910.00	AW5NN-NT \$970.00	AW5NN-NX \$1055.00
	4.0" (102 mm) Threaded Swivel	AW5NP-NP \$935.00	AW5NP-NR \$935.00	AW5NP-NT \$995.00	AW5NP-NX \$1080.00
	4.5" (114 mm) Threaded Swivel	AW5NR-NP \$910.00	AW5NR-NR \$970.00	AW5NR-NT \$1030.00	AW5NR-NX \$1110.00
	5.0" (127 mm) Threaded Swivel	AW5NT-NP \$935.00	AW5NT-NR \$995.00	AW5NT-NT \$1030.00	AW5NT-NX \$1135.00



AW7		SIDE A - Single Female Swivel Rocker NH			
		4.0" (102 mm) Threaded Swivel	4.5" (114 mm) Threaded Swivel	5.0" (127 mm) Threaded Swivel	6.0" (152 mm) Threaded Swivel *
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AW7NL-NP \$885.00	AW7NL-NR \$935.00	AW7NL-NT \$995.00	AW7NL-NX \$1080.00
	3.5" (89 mm) Threaded Swivel	AW7NN-NP \$910.00	AW7NN-NR \$970.00	AW7NN-NT \$1030.00	AW7NN-NX \$1110.00
	4.0" (102 mm) Threaded Swivel	AW7NP-NP \$935.00	AW7NP-NR \$995.00	AW7NP-NT \$1030.00	AW7NP-NX \$1135.00
	4.5" (114 mm) Threaded Swivel	AW7NR-NP \$970.00	AW7NR-NR \$1030.00	AW7NR-NT \$1055.00	AW7NR-NX \$1160.00
	5.0" (127 mm) Threaded Swivel	AW7NT-NP \$995.00	AW7NT-NR \$1030.00	AW7NT-NT \$1080.00	AW7NT-NX \$1160.00



*Short handle only. All others rocker lug.

AW9		SIDE A - Single Storz Swivel		
		4.0" (102 mm) Storz	5.0" (127 mm) Storz	6.0" (152 mm) Storz Swivel+
SIDE B - Dual Female Swivel Rocker NH	3.0" (76 mm) Threaded Swivel	AW9NL-SP \$935.00	AW9NL-ST \$1030.00	AW9NL-SX \$1110.00
	3.5" (89 mm) Threaded Swivel	AW9NN-SP \$970.00	AW9NN-ST \$1055.00	AW9NN-SX \$1135.00
	4.0" (102 mm) Threaded Swivel	AW9NP-SP \$995.00	AW9NP-ST \$1080.00	AW9NP-SX \$1160.00
	4.5" (114 mm) Threaded Swivel	AW9NR-SP \$1030.00	AW9NR-ST \$1110.00	AW9NR-SX \$1185.00
	5.0" (127 mm) Threaded Swivel	AW9NT-SP \$1030.00	AW9NT-ST \$1135.00	AW9NT-SX \$1220.00



To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

LDH WATER THIEF

TFT's LDH Water Thief is a rugged valve with two valved discharge ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles operate 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 Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Contact TFT customer service for configurations not shown.

WITHOUT PRV

Dimensional Maximum

\$1640.00

22.0 lbs (10.0 kg)

8.75" (22.2 cm) Height

15.00" (38.1 cm) Width

15.60" (39.6 cm) Depth

WITH PRV

Dimensional Maximum

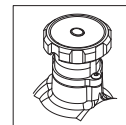
\$1905.00

25.00 lbs (11.30 kg)

11.50" (29.2 cm) Height

15.00" (38.1 cm) Width

15.60" (39.60 cm) Depth



Slow Close Valve Option is available on all models. Add suffix -SC and add \$90.00 to list price.

AL1

A INLET SIDE		B OUTLET SIDE		PRV
Inlet Type	Size	Outlet Type	Size	
1) Storz Rigid	P) 4" (102 mm)	1) Storz Rigid	P) 4" (102 mm)	0) No
2) Storz Swivel	R) 4.5" (114 mm)	2) Storz Swivel	R) 4.5" (114 mm)	1) Yes
3) F Rocker Lug Swivel	T) 5" (127 mm)	7) Male Rigid	T) 5" (127 mm)	
5) F Long Handle Swivel	X) 6" (152 mm)		X) 6" (152 mm)	

Water Thief Supplied with 2.5" (64 mm) Male Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

LDH SIAMESE WATER THIEF

TFT's LDH Siamese Water Thief is a rugged valve with two valved inlet ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles operate 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 Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Contact TFT customer service for configurations not shown.

WITHOUT PRV

Dimensional Maximum

\$1640.00

22.0 lbs (10.0 kg)

8.75" (22.2 cm) Height

15.00" (38.1 cm) Width

15.60" (39.6 cm) Depth

WITH PRV

Dimensional Maximum

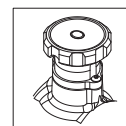
\$1905.00

25.00 lbs (11.30 kg)

11.50" (29.2 cm) Height

15.00" (38.1 cm) Width

15.60" (39.60 cm) Depth



Slow Close Valve Option is available on all models. Add suffix -SC and add \$90.00 to list price.

AL5

A OUTLET SIDE		B INLET SIDE		PRV
Inlet Type	Size	Outlet Type	Size	
1) Storz Rigid	P) 4" (102 mm)	1) Storz Rigid	P) 4" (102 mm)	0) No
2) Storz Swivel	R) 4.5" (114 mm)	2) Storz Swivel	R) 4.5" (114 mm)	1) Yes
7) Male Rigid	T) 5" (127 mm)	3) F Rocker Lug Swivel	T) 5" (127 mm)	
	X) 6" (152 mm)		X) 6" (152 mm)	

LDH Siamese Water Thief Supplied With Female 2.5" (64 mm) Swivel Rocker Lug Inlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

3-WAY VALVED MANIFOLD

TFT's 3-Way Valved Manifold is a rugged manifold with three 2.5" (64 mm) valved discharge ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles operate 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 Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Optional rugged .75" (19 mm) 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.

WITH OUT PRV

Dimensional Maximum

\$2045.00

23.00 lbs (10.4 kg)

8.75" (22.2 cm) Height

15.00" (38.1 cm) Width

17.50" (44.50 cm) Depth

WITH PRV

Dimensional Maximum

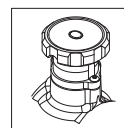
\$2310.00

25.00 lbs (11.3 kg)

11.50" (29.2 cm) Height

15.00" (38.1 cm) Width

17.50" (44.50 cm) Depth



Slow Close Valve Option is available on all models. Add suffix -SC and add \$135.00 to list price.

AL3

A INLET SIDE		PRV
Inlet Type	Size	
1) Storz Rigid	P) 4" (102 mm)	0) No
2) Storz Swivel	R) 4.5" (114 mm)	1) Yes
3) Female Rocker Lug Swivel	T) 5" (127 mm)	
5) Female Long Handle Swivel	X) 6" (152 mm)	

3-Way Manifold Supplied with 2.5" (64 mm) Male Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

3-WAY SIAMESE MANIFOLD

TFT's 3-Way Valved Siamese Manifold is a rugged siamese manifold with three 2.5" (64 mm) valved inlet ports, each with a full 2.5" (65mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve seats are field replaceable. Quarter turn valve handles operate 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 Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Optional rugged .75" (19 mm) 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.

WITHOUT PRV

Dimensional Maximum

\$2045.00

23.00 lbs (10.1 kg)

8.75" (22.2 cm) Height

15.00" (38.1 cm) Width

17.50" (44.50 cm) Depth

WITH PRV

Dimensional Maximum

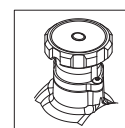
\$2310.00

25.00 lbs (11.3 kg)

11.50" (29.2 cm) Height

15.00" (38.1 cm) Width

17.50" (44.50 cm) Depth



Slow Close Valve Option is available on all models. Add suffix -SC and add \$135.00 to list price.

AL7

A OUTLET SIDE		PRV
Outlet Type	Size	
1) Storz Rigid	P) 4" (102 mm)	0) No
2) Storz Swivel	R) 4.5" (114 mm)	1) Yes
7) Male Rigid	T) 5" (127 mm)	
	X) 6" (152 mm)	

3-Way Siamese Manifold Supplied with 2.5" (64 mm) Female Swivel Rocker Lug Inlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

4-WAY VALVED MANIFOLD

TFT's 4-Way Valved Manifold is a rugged manifold with four 2.5" (64 mm) valved discharge ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). 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 Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Optional rugged .75" (19 mm) 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.

WITHOUT PRV

Dimensional Maximum

\$2380.00

27.30 lbs (12.4 kg)

8.75" (22.2 cm) Height

15.00" (38.1 cm) Width

17.50" (44.50 cm) Depth

WITH PRV

Dimensional Maximum

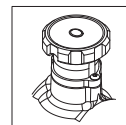
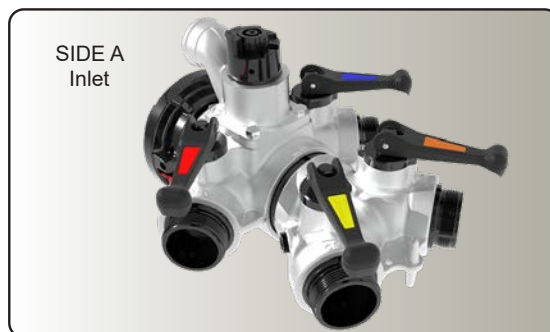
\$2645.00

30.00 lbs (13.60 kg)

11.50" (29.2 cm) Height

15.00" (38.1 cm) Width

17.50" (44.50 cm) Depth



Slow Close Valve Option is available on all models. Add suffix -SC and add \$180.00 to list price.

AL4

A INLET SIDE		PRV
Inlet Type	Size	
1) Storz Rigid	P) 4" (102 mm)	0) No
2) Storz Swivel	R) 4.5" (114 mm)	1) Yes
3) Female Rocker Lug Swivel	T) 5" (127 mm)	
5) Female Long Handle Swivel	X) 6" (152 mm)	

4-Way Manifold Supplied with 2.5" (64 mm) Male Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

4-WAY VALVED SIAMESE

TFT's 4-Way Valved Siamese Manifold is a rugged siamese manifold with four 2.5" (64 mm) valved inlet ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). 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 Powder Coat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Optional rugged .75" (19 mm) 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.

WITHOUT PRV

Dimensional Maximum

\$2380.00

27.30 lbs (12.4 kg)

8.75" (22.2 cm) Height

15.00" (38.1 cm) Width

17.50" (44.50 cm) Depth

WITH PRV

Dimensional Maximum

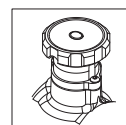
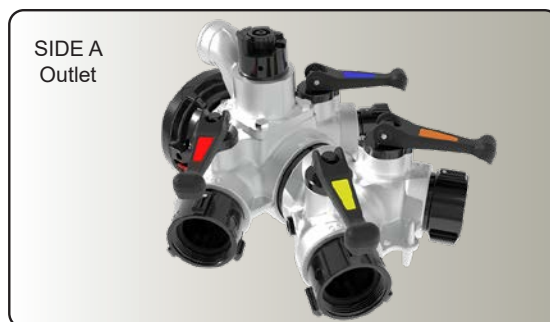
\$2645.00

30.00 lbs (13.60 kg)

11.50" (29.2 cm) Height

15.00" (38.1 cm) Width

17.50" (44.50 cm) Depth



Slow Close Valve Option is available on all models. Add suffix -SC and add \$180.00 to list price.

AL8

A OUTLET SIDE		PRV
Outlet Type	Size	
1) Storz Rigid	P) 4" (102 mm)	0) No
2) Storz Swivel	R) 4.5" (114 mm)	1) Yes
7) Male Rigid	T) 5" (127 mm)	
	X) 6" (152 mm)	

4-Way Manifold Supplied with 2.5" (64 mm) Female Swivel Rocker Lug Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram. All 6" Storz couplings have an adjustable seal compression feature.

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" (64 mm) quarter-turn ball valves with folding handles make for the ultimate in versatility. All four 2.5" (64 mm) valves can be used with or without the LDH valve being open. Valve seats are field replaceable, and quarter-turn color coded valve handles require

low force to move, even under pressure. The automatic valve lock on the 2.5" (64 mm) valves maintain valve position while flowing at partial openings. Folding handles minimize required storage space. Device includes carrying handle, a pressure gauge and optional pressure relief valve (PRV). A polymer bearing ring helps prevent galvanic corrosion on LDH couplings. Storage bracket available.

WITHOUT PRV
Dimensional Maximum
\$2795.00
 48 lb (21.8 kg)
 11.5" (29.2 cm) Height
 17.5" (44.5 cm) Width
 16.0" (40.6 cm) Depth



WITH PRV
Dimensional Maximum
\$3060.00
 51.1 lb (23.2 kg)
 11.5" (29.2 cm) Height
 17.5" (44.5 cm) Width
 16.0" (40.6 cm) Depth

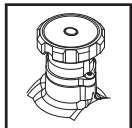
AL9

INLET SIDE A		OUTLET SIDE B		PRV
TYPE	SIZE	TYPE	SIZE	
1) Storz Rigid	P) 4" (102 mm)	1) Storz Rigid	P) 4" (102 mm)	0) NO
2) Storz Swivel	R) 4.5" (114 mm)	2) Storz Swivel	R) 4.5" (114 mm)	3) YES
3) Female Rocker Lug Full-time Swivel	T) 5" (127 mm)	7) Male Rigid	T) 5" (127 mm)	
4) Female Rocker Lug Non-Full-time Swivel	X) 6" (152 mm)		X) 6" (152 mm)	

5-Way Manifold Supplied with 2.5" (64 mm) Male Outlets.

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

All 6" Storz couplings have an adjustable seal compression feature.



Slow Close Valve Option is available on all models. Add suffix -SC and add \$180.00 to list price.



- Stainless Steel
- Mounts vertically or horizontally
- Quick release locking lever

AU-BRACKET
\$285.00
 5.5 lbs. (2.5kg)
 12.5" W x 11.1" D x 1.0" H
 (31.8 x 28.2 x 2.5 cm)

LDH GATED WATER THIEF

TFT's LDH Gated Water Thief is a rugged 3.65" (93 mm) LDH valve with two valved discharge ports, each with a full 2.5" (64 mm) waterway. Maximum operating pressure is 300 psi (21 bar). Valve 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. Meets NFPA slow close requirements. Main valve has crank handle with valve position indicator. 2.5"

(64 mm) valves feature multi-turn knobs with valve position indicators. Aluminum casting is hardcoat anodized and silver TFT powercoat finish inside and out for maximum corrosion protection. Optional adjustable pressure relief valve. Large carrying handle for easy deployment. Contact TFT customer service for configurations not shown.

WITH PRV

Dimensional Maximum

\$2720.00

45.2 lbs (20.5 kg)

13.8"H x 15.0"W x 19.6"L

(35.0 x 38.1 x 49.8 cm)

WITHOUT PRV

Dimensional Maximum

\$2720.00

42.1 lbs (19.1 kg)

13.4"H x 15.0"W x 19.6"L

(34.0 x 38.1 x 49.8 cm)



AL6

SIDE A		SIDE B		PRV	2.5" TYPE
TYPE	SIZE	TYPE	SIZE		
1) Storz Rigid	P) 4" (102 mm)	1) Storz Rigid	P) 4" (102 mm)	0) NO	M) NHM
2) Storz Swivel	R) 4.5" (114 mm)	2) Storz Swivel	R) 4.5" (114 mm)	1) YES	F) NHF
3) Female Rocker Lug	T) 5" (127 mm)	7) Male Rigid	T) 5" (127 mm)		
Full-time Swivel	X) 6" (152 mm)		X) 6" (152 mm)		
5) Female Long Handle Swivel					

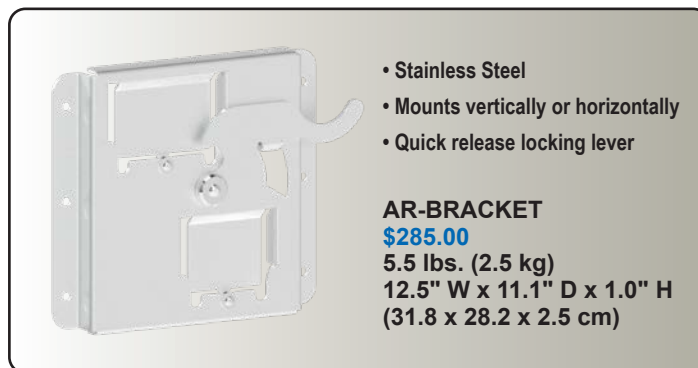
To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

All 6" Storz couplings have an adjustable seal compression feature.

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. 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
\$3310.00
32.7lbs (14.8 kg)
13.50" (34.3 cm) Height
16.50" (41.9 cm) Width
16.00" (40.60 cm) Depth

Conversions
 N) 3.5" (89 mm)
 P) 4" (102 mm)
 R) 4.5" (114 mm)
 T) 5" (127 mm)
 X) 6" (152 mm)

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

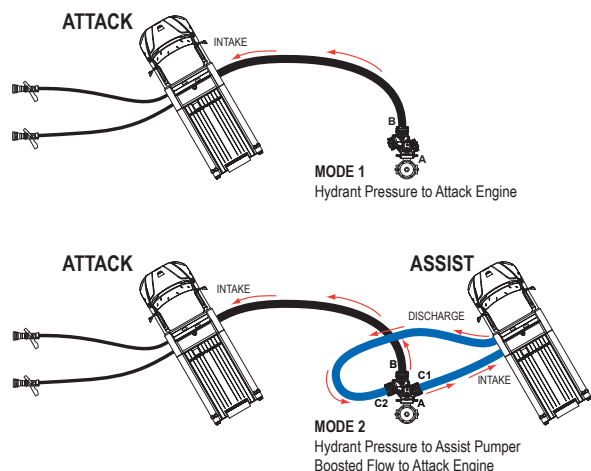
All 6" Storz couplings have an adjustable seal compression feature.

SIDE A SIDE A INLET FROM HYDRANT SIDE B OUTLET TO ATTACK SIDE C1 OUTLET TO BOOST SIDE C2 BOOSTED INLET

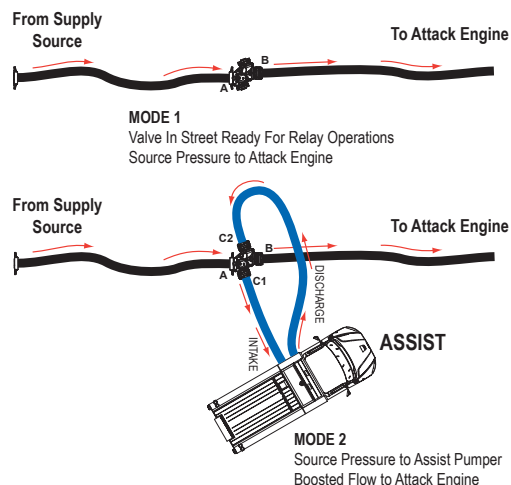
Shut-off AR) No ARS) Yes	Style 1) Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size N) 3.5" P) 4" R) 4.5" T) 5" X) 6"	Style 1) Storz Rigid 2) Storz Swivel 3) F Rocker Lug Swivel 5) F Long Handle Swivel 7) M Rigid	Size N) 3.5" P) 4" R) 4.5" T) 5" X) 6"	Style 1) Storz Rigid 2) Storz Swivel 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 1) Storz Rigid 2) Storz Swivel 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

Valve On Hydrant Used For Hydrant Boosting



Valve In Street Used For In-Line Relay Operations



Boost Water Supply

The Oasis is the perfect choice for dramatic water supply improvements when used with poorly performing hydrants, long rural water delivery relays, or small diameter hose operations.

Water to the Fire

Automatic clapper valve allows transfer from boosted to non-boosted without operator intervention.

Water from Discharge of Boost Apparatus

Oasis Hydrant Assist Valve

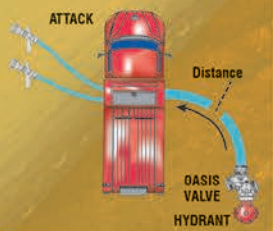
More info at TFT.com/oasis

Water Supply Inlet

Oasis can be used as a hydrant shutoff valve with a simple field modification.

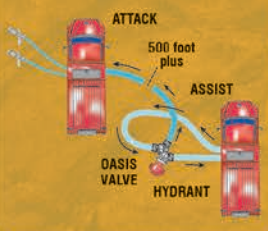
Water to Inlet of Boost Apparatus

Initial Attack Un-Boosted



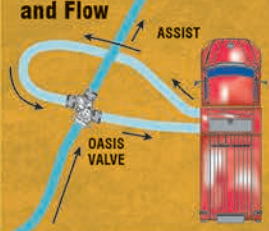
Deliver water to attack apparatus at the fire scene.

Boost Pressure and Flow



Boost pressure and flow from the hydrant to attack apparatus.

In Relay Boost Pressure and Flow



Boost pressure and flow with a hose lay of 500 feet plus.

TFT.com



TASK FORCE TIPS®
FIRE FIGHTING EQUIPMENT

IN-LINE VALVE

TFT's In-Line Valve is a multi-purpose valve designed for use with 3.5, 4, 4.5 or 5" (89, 102, 117, 127 or 152 mm) hose. Maximum operating pressure is 300 psi (21 bar). Meets 900 psi (62 bar) hydrostatic strength test. The aluminum casting are Hardcoat anodized, and Powder Coat finished inside and out for

maximum corrosion protection. The valve meets NFPA slow close requirements. Optional adjustable pressure relief valve meets NFPA 1901. Optional rugged .75" (19 mm) air bleed valve quickly bleeds air from the lines or drains water from the valve housing. Contact TFT customer service for configurations not shown.

No PRV or Drain 01 Dimensional Maximum \$2155.00

17.35 lbs (7.9 kg)
9.20" (23.4 cm) Height
8.60" (21.8 cm) Width
10.10" (25.7 cm) Depth

With PRV & Drain 31 Dimensional Maximum \$2420.00

21.85 lbs (9.9 kg)
15.60" (23.4 cm) Height
8.60" (39.6 cm) Width
10.10" (25.7 cm) Depth



Full-time swivel 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: 2, 3 or 5

Non-full-time swivel 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

SIDE A		SIDE B		
Side A Type	Size	Side B Type	Size	
1) Storz Rigid	P) 4" (102 mm)	1) Storz Rigid	P) 4" (102 mm)	01) Standard Gearbox
2) Storz Swivel	R) 4.5" (114 mm)	2) Storz Swivel	R) 4.5" (114 mm)	31) Standard Gearbox,
3) F Rocker Lug Swivel	T) 5" (127 mm)	3) F Rocker Lug Swivel	T) 5" (127 mm)	PRV & Drain
4) F Rocker Lug Non-Full-time Swivel	X) 6" (152 mm)	5) F Long Handle Swivel		
5) F Long Handle Swivel		7) Male Rigid		
6) F Long Handle Non-Full-time Swivel				
7) Male Rigid				

F = Female

No PRV or Drain 02 Dimensional Maximum \$2155.00

23.00 lbs (10.4 kg)
13.80" (35.1 cm) Height
8.60" (21.8 cm) Width
10.10" (25.70 cm) Depth

With PRV & Drain 32 Dimensional Maximum \$2420.00

23.35 lbs (10.6 kg)
17.60" (44.7 cm) Height
8.60" (21.8 cm) Width
10.10" (25.7 cm) Depth



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: 2, 3 or 5

Non-full-time swivel 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

SIDE A		SIDE B		
Side A Type	Size	Side B Type	Size	
1) Storz Rigid	P) 4" (102 mm)	1) Storz Rigid	P) 4" (102 mm)	02) Parallel Shaft Drive Gearbox
2) Storz Swivel	R) 4.5" (114 mm)	2) Storz Swivel	R) 4.5" (114 mm)	32) Parallel Shaft Drive Gearbox,
3) F Rocker Lug Swivel	T) 5" (127 mm)	3) F Rocker Lug Swivel	T) 5" (127 mm)	PRV & Drain
4) F Rocker Lug Non-Full-time Swivel	X) 6" (152 mm)	5) F Long Handle Swivel		
5) F Long Handle Swivel		7) Male Rigid		
6) F Long Handle Non-Full-time Swivel				
7) Male Rigid				

F = Female

To change a 4" or 5" (102 or 127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T1 for diagram.

All 6" Storz couplings have an adjustable seal compression feature.

SUCTION BARREL STRAINER

JUMBO BARREL STRAINER - 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.

\$210.00

4.0 lb (1.8g)

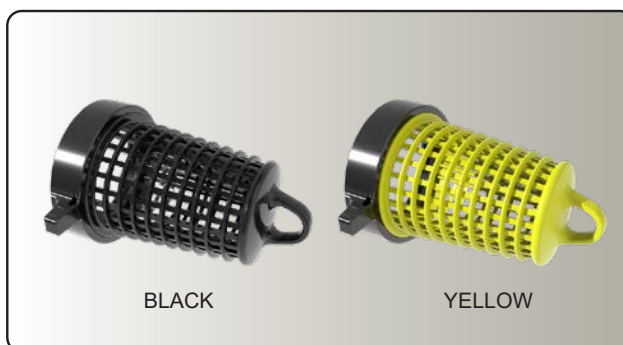
12.00" (30.5 cm) Length

8" (20.3 cm) Diameter

* Coupling = HNT = **\$350.00**

* Coupling = NP = **\$350.00**

* Coupling = SP = **\$350.00**



BLACK

YELLOW

COUPLING

A02		
	NJ) 2.5" NH (64 mm) Swivel Female Rocker Lug NP) 4.0" NH (102 mm) Swivel Female Rocker Lug HNT) 5.0" NH (127 mm) Swivel Female Long Handle HNX) 6.0" NH (152 mm) Swivel Female Long Handle SP) 4.0" (102 mm) Swivel Storz*	-Y) Barrel Color Yellow (omit for standard Black)

FLOATING BARREL STRAINER

The Floating Barrel Strainer includes an integrated detachable float that is compact, and both float and strainer are constructed of rugged, corrosion proof, hi-tech polymers. The flow efficient design

permits high flows and can be used in open bodies of water or portable tanks. The swivel inlet allows quick and easy installation to suction hose.

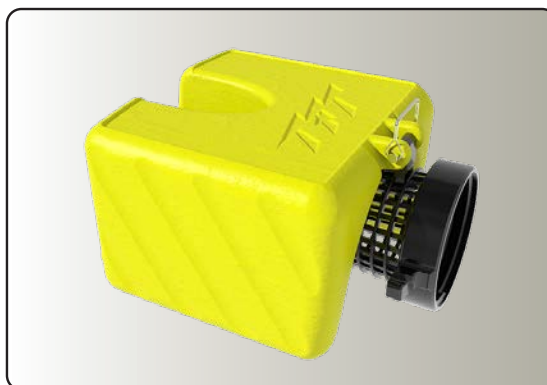
\$770.00

9.2 lb (4.3 kg)

21.3" (51.4 cm) Length

14.9" (37.8 cm) Width

10.5" (26.7 cm) Height



COUPLING

A06	
	HNT) 5.0"NHF (127 mm) Swivel Female Long Handle HNX) 6.0"NHF (152 mm) Swivel Female Long Handle NJ) 2.5" NHF (64 mm) Swivel Female Rocker Lug NP) 4.0" NHF (102 mm) Swivel Female Rocker Lug SL) 3.0" (76 mm) Swivel Storz SP) 4.0" (102 mm) Swivel Storz ST) 5.0" (127 mm) Swivel Storz SX) 6.0" (152 mm) Swivel Storz+

- **Extremely Lightweight** – Float and strainer basket made from corrosion proof hi-tech polymers.
- **Easily Detachable Float** – Quick conversion to simple barrel strainer
- **Compact** – Stores in small space
- **Flow Efficient Design** – Permits high flows
- **Versatile** – Can be used in open bodies of water, or portable tanks
- **Swivel Inlet Fitting** – Quick and easy installation to suction hose
- **Low-riding Barrel** – Reduces risk of roll-over

+ All 6" Storz couplings have an adjustable seal compression feature.

LOW LEVEL SUCTION 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" (152 mm) hose. This keeps friction loss down to 0.5 psi (0.03 bar) at 1500 gpm (5678 l/min) and reduces the potential for air vortices to form as water sinks towards the 2.5" (64 mm) minimum usable depth. Oversized sealed

ball pivot allows 45° range of hose angle without constricting the flow path. Optional Jet Siphon with 1.5" (38 mm) female hose thread substantially increases suction lift capability and is also useful for tank transfer, pump priming and dewatering with no need for a trash pump.

\$1080.00

22.7 lb (10.9 kg)
12.1" (30.7 cm) Height
14.9" (37.8 cm) Width
21.7" (55.1 cm) Depth



LOW-LEVEL STRAINER NO JET SIPHON

+ All 6" Storz couplings have an adjustable seal compression feature.

COUPLING		OPTIONAL
A03		
	NP) 4.0" (102 mm) Swivel Female Rocker Lug	-F) Floating (omit for non-floating)
	HNR) 4.5" (114 mm) Swivel Female Long Handle	
	HNT) 5.0" (127 mm) Swivel Female Long Handle	
	HNX) 6.0" (152 mm) NH Swivel Female Long Handle	
	SP) 4.0" (102 mm) Swivel Storz	
	ST) 5.0" (127 mm) Swivel Storz	
	SX) 6.0" (152 mm) Swivel Storz+	

FLOATING LOW LEVEL STRAINER

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" (45.7 cm) below water level to avoid sucking surface air and bottom debris. Capable of supporting up to 30 ft (9 m) 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" (152 mm) hose. This keeps friction loss down

to 0.5 psi (0.03 bar) at 1500 gpm (5678 l/min) and reduces the potential for air vortices 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.

\$1080.00

32.0 lb (13.9 kg)
12.9" (32.8 cm) Height
14.9" (37.8 cm) Width
22.0" (55.9 cm) Depth



A03HNX-F

Shown with 6" (152 mm) threaded coupling and float in operational position.



A03HNX-F

Shown with 6" (152 mm) threaded coupling and float in storage position.

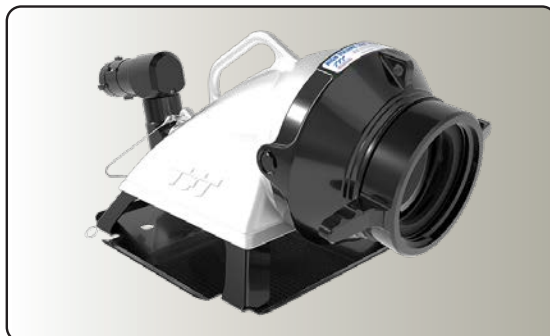
LOW LEVEL SUCTION STRAINER JET SIPHON

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" (152 mm) hose. This keeps friction loss down to 0.5 psi (0.03 bar) at 1500 gpm (5678 l/min) and reduces the potential for air vortices to form as water sinks towards the 2.5" (64 mm) minimum usable depth. Oversized sealed

ball pivot allows 45° range of hose angle without constricting the flow path. Optional Jet Siphon with 1.5" (38 mm) female hose thread substantially increases suction lift capability and is also useful for tank transfer, pump priming and dewatering with no need for a trash pump.

\$1220.00

23.4 lb (10.6 kg)
12.1" (30.7 cm) Height
14.9" (37.8 cm) Width
26.6" (67.6 cm) Depth



LOW-LEVEL STRAINER JET SIPHON

1.5" (38 mm) Female Pivoting Inlet

+ All 6" Storz couplings have an adjustable seal compression feature.

COUPLING

A03		-JET	
	NP) 4.0" (102 mm) Swivel Female Rocker Lug		-F) Floating (omit for non-floating)
	HNR) 4.5" (114 mm) Swivel Female Rocker Lug		
	HNT) 5.0" (127 mm) Swivel Female Long Handle		
	HNX) 6.0" NH (152 mm) Swivel Female Long Handle		
	SP) 4.0" (102 mm) Swivel Storz		
	ST) 5.0" (127 mm) Swivel Storz		
	SX) 6.0" (152 mm) Swivel Storz+		

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" (45.7 cm) below water level to avoid sucking surface air and bottom debris. Capable of supporting up to 30 ft (9 m) 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 (0.03 bar) at 1500 gpm (5678 l/min) and reduces the potential for air vortices 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" (38 mm) 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.

\$1220.00

33.2 lb (15.1 kg)
12.9" (32.8 cm) Height
14.9" (37.8 cm) Width
27.1" (68.8 cm) Depth



A03HNX-JET-F

Shown with 6" (152 mm) threaded coupling and float in operational position.



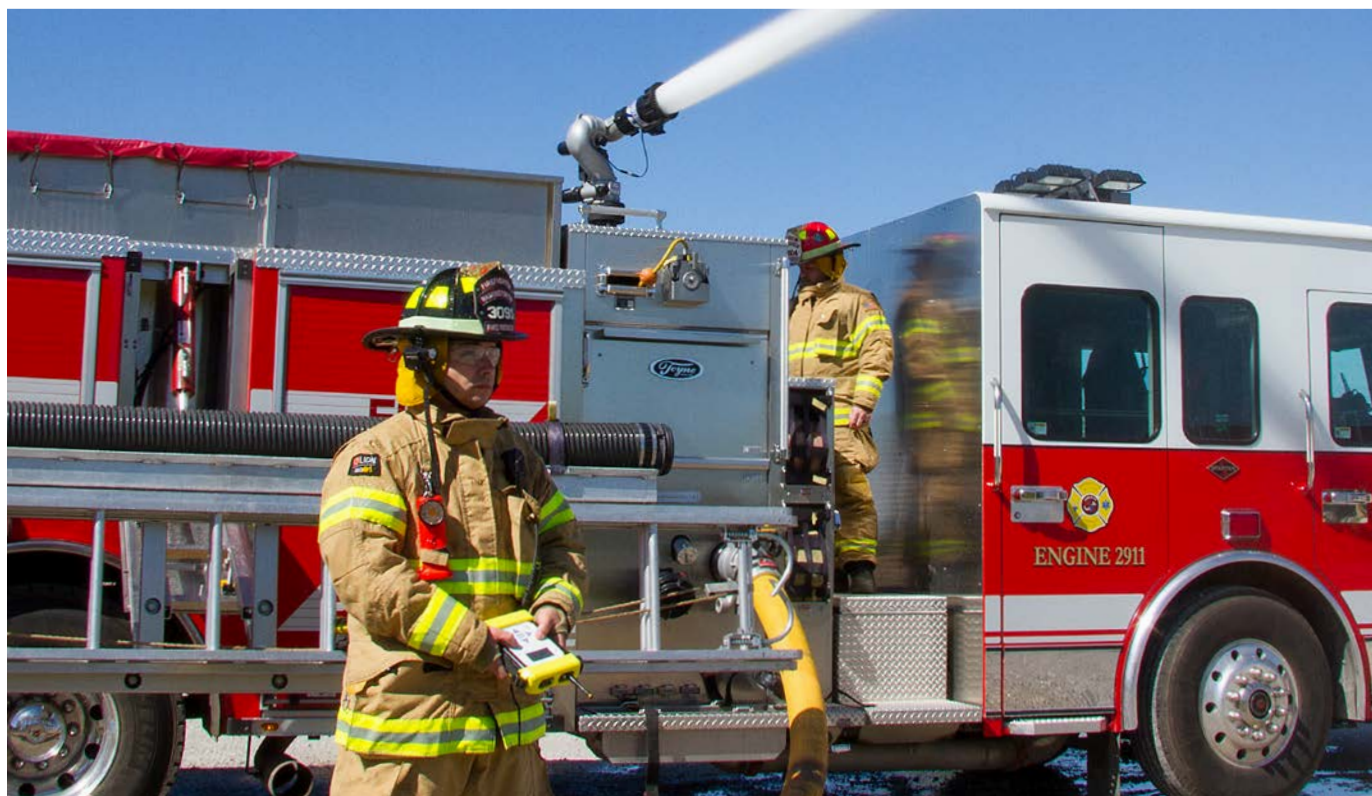
A03HNX-JET-F

Shown with 6" (152 mm) threaded coupling and float in storage position.

OEM Installed Products Table of Contents

The BLUE category includes apparatus manufacturer installed products that typically require plumbing and electrical installation, or are related items. This category includes manual and remote

control master stream nozzles, Extend-A-Guns, manual and remote control monitors, remote control intake and in-line valves and accessories.



PRESSURE RELIEF VALVES

PRV's B2 - B3

ELECTRIC REMOTE NOZZLES

Monitor Nozzle Selection Matrix B4 - B7
1.5" ER Nozzles B8 - B10
2.5" MAX Series B11

MASTER STREAM NOZZLES

Master Stream Series, Manual and Electric Remote. . B12 - B24

VORTEX

Vortex and Vortex ER B25 - B26

EXTEND-A-GUNS

Extend-A-Gun. B27
Extend-A-Gun RC B28 - B29

MONITORS

EF1 RC B30 - B32
Tornado Series B33 - B38
Hurricane Series B39 - B42
Typhoon Series B43 - B46
Monsoon Series B47 - B54
Tsunami Series B55 - B58

VALVE KITS

Valve and Gateable Valve Kits B59 - B60

REMOTE CONTROL ACCESSORIES

Remote Control Accessories B61 - B64

EXTEND-A-GUN PACKAGES

Crossfire and Hurricane Packages B65 - B68

VALVE UNDER MONITOR

VUM Series B69 - B76

BIV REMOTE CONTROL

RC BIV Series B77 - B80

PRESSURE RELIEF VALVES

A18 Series - TFT's PRV (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 (6, 9, 10, 14, 17 and 21 bar). Each pressure relief valve includes an OFF position. The pressure relief valve meets NFPA 1901 PRV requirements. 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" (51 mm) male pipe thread, 2.5" male NH (64 mm) thread, or 2.5" (64 mm) Victaulic® connection on the discharge spout. Available adapters include 2.5" (64 mm) and 3" (76 mm) NPT male and female threaded inlets for mounting the TFT pressure relief valve to plumbing. All A18 Series PRV's come standard with an intergrated galvanic isolator for maximum corrosion resistance.



A1810



A1820



A1830



A1831



A1840



A1850



A1860

PART NUMBER	MODEL	DISCHARGE	HEIGHT / WIDTH / DEPTH	WEIGHT	LIST PRICE
A1810	Waterous/Hale	Plain	5.4 x 4.2 x 6.4 in (13.7 x 10.7 x 16.3 cm)	3.0 lb (1.4 kg)	\$331.00
A1820	Waterous/Hale	2" (51 mm) Male Pipe (NPT)	5.4 x 4.2 x 6.3 in (13.7 x 10.7 x 16.0 cm)	3.0 lb (1.4 kg)	\$331.00
A1830	Darley	Plain	5.4 x 4.2 x 6.4 in (13.7 x 10.7 x 16.3 cm)	3.0 lb (1.4 kg)	\$331.00
A1831	Waterous/Hale	2.5" (64 mm) Male Pipe (NPT)	5.4 x 4.2 x 8.0 in (11.4 x 11.4 x 16.5 cm)	3.0 lb (1.4 kg)	\$331.00
A1840	Darley	2" (51 mm) Male Pipe (NPT)	4.5 x 4.5 x 6.5 in (13.7 x 10.7 x 16.0 cm)	3.5 lb (1.6 kg)	\$331.00
A1850	Waterous/Hale	2.5" (64 mm) Victaulic Connection	5.4 x 4.2 x 7.5 in (13.7 x 10.7 x 19.1 cm)	3.5 lb (1.6 kg)	\$331.00
A1860	Waterous/Hale	2.5" (64 mm) NH Male	5.4 x 4.2 x 8.0 in (13.7 x 10.7 x 20.3 cm)	3.9 lb (1.8 kg)	\$331.00

PRESSURE RELIEF VALVES

A18 Series - TFT's PRV (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 (6, 9, 10, 14, 17 and 21 bar). Each pressure relief valve includes an OFF position. The pressure relief valve meets NFPA 1901 PRV requirements. 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" (51 mm) male pipe thread, 2.5" male NH (64 mm) thread, or 2.5" (64 mm) Victaulic® connection on the discharge spout. Available adapters include 2.5" (64 mm) and 3" (76 mm) NPT male and female threaded inlets for mounting the TFT pressure relief valve to plumbing. All A18 Series PRV's come standard with an integrated galvanic isolator for maximum corrosion resistance.



A1811 - A1812
A1813 - A1814



A1821 - A1822
A1823 - A1824



A1856 - A1857
A1858 - A1859



A1866 - A1867
A1868 - A1869

PART NUMBER	NATIONAL PIPE THREAD INLET	DISCHARGE	HEIGHT / WIDTH / DEPTH	WEIGHT	LIST PRICE
A1811	2.5" (64 mm) Male Pipe NPT	Plain	7.3 x 4.2 x 6.4 in (18.5 x 10.7 x 16.3 cm)	4.4 lb (2.0 kg)	\$476.00
A1812	2.5" (64 mm) Female Pipe NPT	Plain	7.3 x 4.2 x 6.4 in (18.5 x 10.7 x 16.3 cm)	4.4 lb (2.0 kg)	\$476.00
A1813	3.0" (76 mm) Male Pipe NPT	Plain	7.3 x 4.2 x 6.4 in (18.5 x 10.7 x 16.3 cm)	4.4 lb (2.0 kg)	\$476.00
A1814	3.0" (76 mm) Male Pipe NPT	Plain	7.3 x 4.2 x 6.4 in (18.5 x 10.7 x 16.3 cm)	4.4 lb (2.0 kg)	\$476.00
A1821	2.5" (64 mm) Male Pipe NPT	2" (51 mm) Male Pipe (NPT)	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	\$476.00
A1822	2.5" (64 mm) Female Pipe NPT	2" (51 mm) Male Pipe (NPT)	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	\$476.00
A1823	3.0" (76 mm) Male Pipe NPT	2" (51 mm) Male Pipe (NPT)	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	\$476.00
A1824	3.0" (76 mm) Male Pipe NPT	2" (51 mm) Male Pipe (NPT)	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	\$476.00
A1856	2.5" (64 mm) Male Pipe NPT	2.5" (64 mm) Victaulic	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	\$476.00
A1857	2.5" (64 mm) Female Pipe NPT	2.5" (64 mm) Victaulic	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	\$476.00
A1858	3.0" (76 mm) Male Pipe NPT	2.5" (64 mm) Victaulic	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	\$476.00
A1859	3.0" (76 mm) Male Pipe NPT	2.5" (64 mm) Victaulic	7.3 x 4.2 x 7.5 in (18.5 x 10.7 x 19.1 cm)	4.4 lb (2.0 kg)	\$476.00
A1866	2.5" (64 mm) Male Pipe NPT	2.5" (64 mm) NH Male	7.3 x 4.2 x 8.0 in (18.5 x 10.7 x 20.3 cm)	4.4 lb (2.0 kg)	\$476.00
A1867	2.5" (64 mm) Female Pipe NPT	2.5" (64 mm) NH Male	7.3 x 4.2 x 8.0 in (18.5 x 10.7 x 20.3 cm)	4.4 lb (2.0 kg)	\$476.00
A1868	3.0" (76 mm) Male Pipe NPT	2.5" (64 mm) NH Male	7.3 x 4.2 x 8.0 in (18.5 x 10.7 x 20.3 cm)	4.4 lb (2.0 kg)	\$476.00
A1869	3.0" (76 mm) Male Pipe NPT	2.5" (64 mm) NH Male	7.3 x 4.2 x 8.0 in (18.5 x 10.7 x 20.3 cm)	4.4 lb (2.0 kg)	\$476.00

MONITOR NOZZLE SELECTION MATRIX



EF1 RC



Tornado RC

• EF1 RC 1.5" • Tornado 1.5" • Tornado RC 1.5"

Nozzle Choice	Performance	M = Manual E = Electric	Selection Factors	Additional	Additional	A = Aerial P = Pumper W = Wildland
Bubble Cup ER Dual Gallonage (EF1 Only)	20 & 60 or 20 & 95 GPM @ 100 psi	E	Dual flow for various attack options	Includes shut-off; Aspirates foam	Low flow options for improved water management	P, W
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		P, W
Metro 1 Fixed Gallonage	Various	M, E	Single Flow/ Pressure	Available with fixed or spinning teeth		P, W
Ultimatic Selectable Gallonage	15-120 GPM @ 100 psi	E	Selectable at the nozzle		Low flow options for improved water management	P, W
Ultimatic Automatic	10-125 GPM @ 100 psi; 10-100 GPM @ 75, 120, or 150 psi	M, E	Best choice when using gateable valve/joystick	Match with pump flow/pressure capabilities	Low flow options for improved water management	P, W
Mid-Matic Automatic	70-200 GPM @100 psi	M, E	Best choice when using gateable valve/joystick	For higher capacity pumps and tanks		P, W
Mid-Force Automatic	70-200 GPM @ 100 & 55 or 75 & 45 psi	M, E	Best choice when using gateable valve/joystick	For higher capacity pumps and tanks	Pressure control for improved performance	P, W
CAFS-Force 1 Dual Pressure Automatic	70-200 GPM @ 75 & 45 psi	M, E	Best choice for CAFS (Compressed Air Foam Systems)		Pressure control for adjusting foam qualities	P, W

MONITOR NOZZLE SELECTION MATRIX



Tornado RC

• Tornado 2.5" • Tornado RC 2.5"

Nozzle Choice	Performance	M = Manual E = Electric	Selection Factors	Additional	Additional	A = Aerial P = Pumper W = Wildland
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		P, W
Vortex 2	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern	Great choice for CAFS (Compressed Air Foam Systems)		P, W
Max-Force Dual Pressure Automatic	100-500 GPM @ 100 & 55 psi	M, E	Good choice for CAFS (Compressed Air Foam System)	For higher capacity pumps and tanks	Pressure control for improved performance	P, W
Max-Matic Automatic	100-500 GPM @ 100 or 80 psi	M, E	Best choice when using gateable valve/joystick	For higher capacity pumps and tanks	Low flow options for improved water management	P, W
Max-Flow Fixed	500 GPM @ 100 psi	M, E	For higher capacity tanks and pumps			P, W

MONITOR NOZZLE SELECTION MATRIX



Crossfire



Hurricane RC



Monsoon 1250 RC

• Crossfire • Hurricane • Hurricane RC • Monsoon 1250 • Monsoon 1250 RC

Nozzle Choice	Performance	M = Manual E = Electric	Selection Factors	Additional	Additional	A = Aerial P = Pumper W = Wildland
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Single flow/ pressure with each tip size	Best choice for CAFS (Compressed Air Foam Systems)		A, P, W
Vortex 2	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern	Great choice for CAFS (Compressed Air Foam Systems)		A, P, W
Max-Force Dual Pressure Automatic	100-500 GPM @ 100 & 55 psi	M, E	Good choice for CAFS (Compressed Air Foam System)	For higher capacity pumps and tanks	Pressure control for improved performance	P, W
Max-Matic Automatic	100-500 GPM @ 100 or 80 psi	M, E	For higher capacity pumps and tanks			P, W
Max-Flow Fixed Gallonage	500 GPM @ 100 psi	M, E	Single Flow/ Pressure	For higher capacity pumps and tanks		P, W
Master Stream Automatic	150-1000 GPM @ 100 psi; 150-1250 GPM @ 100 psi; 300- 1250 GPM @ 70-120 psi*	M, E	Automatic for variable flow, constant pressure	Adjustable pattern from straight stream to full fog	Models available with flush without shutting down. *Models available with adjustable pressure.	A, P
Master Stream Selectable Gallonage	250, 350, 500, 750, & 1000 GPM @ 100 psi; 500, 750, 1000 & 1250 GPM @ 100 psi	M, E (E 250-1000 only)	Selectable Gallonage	Adjustable pattern from straight stream to full fog	*Models available with flush without shutting down	A, P
Master Stream Fixed Gallonage	Up to 1000 GPM @ 100 psi; up to 1250 GPM @ 100 psi	M, E	Fixed flow, user specified	Adjustable pattern from straight stream to full fog	Models available with flush without shutting down	A, P

MONITOR NOZZLE SELECTION MATRIX



Typhoon RC



Monsoon RC



Tsunami RC

• Typhoon • Typhoon RC

Nozzle Choice	Performance	M = Manual E = Electric	Selection Factors	Additional	Additional	A = Aerial P = Pumper W = Wildland
Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		A, P
Vortex 3	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern	Great choice for CAFS (Compressed Air Foam Systems)		A, P
Master Stream Automatic	300-1500 GPM @ 70-100 psi	M, E	Automatic for variable flow, constant pressure	Adjustable pattern from straight stream to full fog	User adjustable nozzle pressure	A, P

• Monsoon 2000 • Monsoon 2000 RC

Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		A, P
Vortex 3	Used w/ Smoothbore/ Stacked Tips	M, E	Straight stream or uniformly dispersed steam pattern	Great choice for CAFS (Compressed Air Foam Systems)		A, P
Master Stream Automatic	300-2000 GPM @ 80-100 psi	M, E	Automatic for variable flow, constant pressure	Adjustable pattern from straight stream to full fog	User adjustable nozzle pressure	A, P

• Tsunami • Tsunami RC

Smoothbore/ Stacked Tips Fixed Gallonage	Various	M	Best choice for CAFS (Compressed Air Foam Systems)	Single flow		P
Vortex 6	Used w/ Smoothbore/ Stacked Tips	E	Straight stream or uniformly dispersed steam pattern			P
Master Stream Automatic	600 to 4000 GPM @ 80-120 psi	E	Automatic for variable flow, constant pressure	Adjustable pattern from straight stream to full fog	User adjustable nozzle pressure	P
Master Stream Selectable	2000 & 4000 GPM @100 psi	E	Dual gallonage	Adjustable pattern from straight stream to full fog		P

ELECTRIC REMOTE 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" (9.5 mm) 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 excessive 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 and EF1 RC monitors.

ULTIMATIC™ 10-125 GPM (40-500 l/min) Automatic



- For use on TFT Tornado RC and EF1 RC monitor
- Flush without shutting down
- Molded rubber fog teeth with full fill power fog
- Accepts both FJ-U low-expansion and FJ-UMX FOAMJET multi-expansion foam attachments



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
B-TO-ERP	1.5" NH (38 mm)	10-125 gpm (40-500 l/min)	100 psi (7 bar)	YES	10.25" (26.0 cm)	6.4 lb (2.9 kg)	\$1225.00
BL-TO-ERP	1.5" NH (38 mm)	10-100 gpm. (40-380 l/min)	75 psi (5 bar)	YES	10.25" (26.0 cm)	6.4 lb (2.9 kg)	\$1225.00
B-TO-ER	1.5" NH (38 mm)	10-125 gpm (40-500 l/min)	100 psi (7 bar)	NO	10.25" (26.0 cm)	6.4 lb (2.9 kg)	\$1225.00
B-TO-ERP-120	1.5" NH (38 mm)	10-100 gpm (40-380 l/min)	120 psi (8 bar)	YES	10.25" (26.0 cm)	6.4 lb (2.9 kg)	\$1225.00
B-TO-ERP-150	1.5" NH (38 mm)	10-100 gpm (40-380 l/min)	150 psi (10 bar)	YES	10.25" (26.0 cm)	6.4 lb (2.9 kg)	\$1225.00

ULTIMATIC™ 15-120 GPM (50-450 l/min) Selectable



- For use on TFT Tornado RC and EF1 RC monitor
- Flush without shutting down
- Molded rubber fog teeth with full fill power fog
- Accepts both FJ-U low-expansion and FJ-UMX FOAMJET multi-expansion foam attachments



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
B-TOS-ERP	1.5" NH (38 mm)	15-120 gpm (60-450 l/min)	100 psi (7 bar)	YES	9.9" (25.1 cm)	6.0 lb (2.7 kg)	\$1225.00
B-TOS-ER	1.5" NH (38 mm)	15-120 gpm (60-450 l/min)	100 psi (7 bar)	NO	9.9" (25.1 cm)	6.0 lb (2.7 kg)	\$1225.00

ELECTRIC REMOTE NOZZLES

MID-MATIC™ 70 - 200 GPM (260-760 l/min) Automatic



- For use on TFT Tornado RC and EF1 RC monitor
- Flush without shutting down
- Molded rubber fog teeth with full fill power fog
- Accepts both FJ-LX-HM low-expansion and FJ-MX-HM FOAMJET multi-expansion foam attachments



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
HM-TO-ERP	1.5" NH (38 mm)	70-200 gpm (260-760 l/min)	100 psi (7 bar)	YES	9.7" (24.6 cm)	6.5 lb (2.9 kg)	\$1745.00
HM-TO-ER	1.5" NH (38 mm)	70-200 gpm (260-760 l/min)	100 psi (7 bar)	NO	9.7" (24.6 cm)	6.5 lb (2.9 kg)	\$1745.00

MID-FORCE™ 70 - 200 GPM (260-760 l/min) Dual Pressure Automatic



- For use on TFT Tornado RC and EF1 RC monitor
- Flush without shutting down
- Molded rubber fog teeth with full fill power fog
- Accepts both FJ-LX-HM low-expansion and FJ-MX-HM FOAMJET multi-expansion foam attachments



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
HMD-TO-ERP	1.5" NH (38 mm)	70-200 gpm (260-760 l/min)	100/75 psi (7/5 bar)	YES	9.7" (24.6 cm)	6.5 lb (2.9 kg)	\$1745.00
HMD-TO-ER	1.5" NH (38 mm)	70-200 gpm (260-760 l/min)	100/75 psi (7/5 bar)	NO	9.7" (24.6 cm)	6.5 lb (2.9 kg)	\$1745.00

BUBBLE CUP® Dual Gallonage Foam Aspiring



- For use on TFT EF1 RC monitor only
- Integrated nozzle shut-off
- Quick change between low/high flow and straight stream and wide fog
- Integrated retractable Bubble Cup aspiring sleeve



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
F2060BCER	1.5" NH (38 mm)	20 and 60 gpm (75 and 230 l/min)	100 psi (7 bar)	YES	11.4" (29.0 cm)	5.7 lb (2.6 kg)	\$1200.00
F2095BCER	1.5" NH (38 mm)	20 and 95 gpm (75 and 360 l/min)	100 psi (7 bar)	YES	11.4" (29.0 cm)	5.7 lb (2.6 kg)	\$1200.00

ELECTRIC REMOTE NOZZLES



CAFS-FORCE™ 1 Automatic

For use on TFT Tornado RC and EF1 RC monitor only

- Flush without shutting down
- Molded rubber fog teeth with full fill power fog
- Switches from low pressure water to CAFS mode.



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
HMDC-TO-ERP	1.5" NH (38 mm)	70-200 gpm (264-757 l/min)	75/45 psi (5/3 bar)	YES	10.7" (27.2 cm)	6.9 lb (3.1 kg)	\$1745.00



METRO™ 1

For use on TFT Tornado RC and EF1 RC monitor

- Choose flow and pressure from matrix below
- Flush without shutting down
- Molded rubber fog teeth or stainless steel spinning teeth
- Accepts both FJ-LX-HM low expansion and FJ-MX-HM FOAMJET multi-expansion foam attachments

MODEL	INLET	FLOW AND OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
ME1TOERP***	1.5" NH (38 mm)	Order flow and pressure using ordering matrix below.	YES	9.5" (24.1 cm)	6.5 lb (2.9 kg)	\$1710.00
ME1TOE***	1.5" NH (38 mm)		NO	9.5" (24.1 cm)	6.5 lb (2.9 kg)	\$1710.00
ME1TOSERP***	1.5" NH (38 mm)		YES	9.5" (24.1 cm)	6.5 lb (2.9 kg)	\$1710.00
ME1TOSE***	1.5" NH (38 mm)		NO	9.5" (24.1 cm)	6.5 lb (2.9 kg)	\$1710.00

METRO 1 ER NO PLUG

M	E	1	T	O	E	-	A	B	C
---	---	---	---	---	---	---	---	---	---

METRO 1 ER W/PLUG

M	E	1	T	O	E	R	P	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---	---

METRO 1 ER NO PLUG SPINNING TEETH

M	E	1	T	O	S	E	-	A	B	C
---	---	---	---	---	---	---	---	---	---	---

METRO 1 ER W/PLUG SPINNING TEETH

M	E	1	T	O	S	E	R	P	A	B	C
---	---	---	---	---	---	---	---	---	---	---	---



METRO 1 ER ONLY — ORDERING MATRIX

A	B	C	GPM	PSI	LPM	BAR	K
1	3	4	95	50	360	3	13.4
1	7	7	125	50	473	3	17.7
2	1	2	150	50	568	3	21.2
2	2	6	160	50	606	3	22.6
2	4	7	175	50	662	3	24.7
2	6	2	185	50	700	3	26.2
2	8	3	200	50	757	3	28.3
0	6	9	60	75	227	5	6.9
1	4	4	125	75	473	5	14.4

A	B	C	GPM	PSI	LPM	BAR	K
1	7	3	150	75	568	5	17.3
2	0	2	175	75	662	5	20.2
2	1	4	185	75	700	5	21.4
2	3	1	200	75	757	5	23.1
0	6	0	60	100	227	7	6.0
0	9	5	95	100	360	7	9.5
1	2	5	125	100	473	7	12.5
1	5	0	150	100	568	7	15.0
1	7	5	175	100	662	7	17.5

MAX-SERIES NOZZLES

For use on TFT Tornado RC, Hurricane RC, and Monsoon 1250 RC.

MAX-FORCE™ 100 - 500 GPM (400-2000 l/min) Dual Pressure Automatic



MD-ERP-***
MD-ER-***
\$2035.00

10.2 lbs (4.6 kg)
10.2" (25.9 cm)



- Dual pressure control 100/55 psi (7/5 bar) nozzle
- 2.5" NH (64 mm) swivel rocker lug coupling is standard
- Molded rubber fog teeth with full fill power fog
- Accepts FJ-MX-MD multi-expansion foam attachment

MAX-MATIC™ 100 - 500 GPM (400-2000 l/min) Automatic



MD-ERP-***
MD-ER-***
\$1985.00

10.0 lbs (4.5 kg)
10.2" (25.9 cm)



- Standard 100 psi (7 bar) nozzle
- 2.5" NH (64 mm) swivel rocker lug coupling is standard
- Molded rubber fog teeth with full fill power fog
- Accepts FJ-MX-MD multi-expansion foam attachment

MAX-FLOW™ 500 GPM (2000 l/min) Fixed Gallonage



MD-ERP-***
MD-ER-***
\$1860.00

10.0 lbs (4.5 kg)
10.2" (25.9 cm)



- Standard 100 psi (7 bar) nozzle
- 2.5" NH (64 mm) swivel rocker lug coupling is standard
- Molded rubber fog teeth with full fill power fog
- Accepts FJ-MX-MD multi-expansion foam attachment

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, or Monsoon 1250 RC Monitor.

MD-ERP

For TFT RC Monitor Only

2.5" (64 mm) INLET (Swivel)	PRESSURE FLOW OPTIONS
1) NH FEMALE	2 = Dual Pressure 55/100 PSI (5/7 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)

A

MD-ER

With 6 ft (2 m) of non-terminated remote wire for custom installations. Does not have SMART STREAM technology.

2.5" (64 mm) INLET (Swivel)	PRESSURE FLOW OPTIONS
1) NH FEMALE	2 = Dual Pressure 55/100 PSI (5/7 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)

A

MASTER STREAM 1000 SERIES

150-1000 GPM (600-3800 LPM)

For use on TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors 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 preset fixed orifice. All Master Stream 1000 series nozzles are suitable for use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

Automatic



- 150-1000 gpm (600-3800 l/min)
- Variable from straight stream to wide fog
- Halo ring for pattern control
- Molded rubber fog teeth with full fill power fog

Selectable



- Five flow selections
- Nozzle must be shut down to change settings
- Rotate outer baffle to desired flow setting
- Variable from straight stream to wide fog
- Halo ring for pattern control
- Molded rubber fog teeth with full fill power fog

Fixed



- Factory preset fixed constant flow & pressure engraved on the baffle
- Variable from straight stream to wide fog
- Halo ring for pattern control
- Molded rubber fog teeth with full fill power fog

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R1000-NJ	2.5" NH (64 mm)	AUTOMATIC	150-1000 gpm (600-3800 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	\$1375.00
M-R1000-NL	3.0" NH (76 mm)	AUTOMATIC	150-1000 gpm (600-3800 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	\$1375.00
M-R1000-NN	3.5" NH (89 mm)	AUTOMATIC	150-1000 gpm (600-3800 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	\$1375.00
M-RS1000-NJ	2.5" NH (64 mm)	SELECTABLE	250, 350, 500, 750, and 1000 gpm (950, 1300, 2000, 3000 and 4000 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	\$1215.00
M-RS1000-NL	3.0" NH (76 mm)	SELECTABLE		100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	\$1215.00
M-RS1000-NN	3.5" NH (89 mm)	SELECTABLE		100 psi (7 bar)	10.0" (25.4 cm)	9.1 lb (4.1 kg)	\$1215.00
M-RF1000-NJ	2.5" NH (64 mm)	FIXED	Factory preset at the customer's specified K-factor 50 to 105 maximum Must specify flow and pressure at time of order.		10.0" (25.4 cm)	8.3 lb (3.8 kg)	\$1215.00
M-RF1000-NL	3.0" NH (76 mm)	FIXED			10.0" (25.4 cm)	8.3 lb (3.8 kg)	\$1215.00
M-RF1000-NN	3.5" NH (89 mm)	FIXED			10.0" (25.4 cm)	8.3 lb (3.8 kg)	\$1215.00

MASTER STREAM 1250S SERIES

150-1250 GPM (600-4500 l/min) Small Body

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 1250S series nozzles are suitable for

use with foam and accept the FJ-LX-M FOAMJET low expansion air aspirating attachment.

AUTOMATIC



- For use on TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Halo ring for pattern control
- Accepts FJ-LX-M Low-Expansion foam attachment

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R1250S-NJ	2.5" NH (64 mm)	AUTOMATIC	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	10.4 lb (4.7 kg)	\$1375.00
M-R1250S-NL	3.0" NH (76 mm)	AUTOMATIC	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	10.4 lb (4.7 kg)	\$1375.00
M-R1250S-NN	3.5" NH (89 mm)	AUTOMATIC	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	10.0" (25.4 cm)	10.4 lb (4.7 kg)	\$1375.00

MASTER STREAM 1250 SERIES

300-1250 GPM (1100-4500 l/min) Large Body

The Master Stream 1250 has the ability to produce an excellent hard-hitting stream at any volume from 300 to 1250 gpm (1100 - 4500 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 125. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or where a flow of 300 - 1250 gpm (1100 - 4500 l/min) is necessary or desired.

AUTOMATIC



- For use on TFT Hurricane, Typhoon, and Monsoon monitors
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Halo ring for pattern control

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R1250-NJ	2.5" NH (64 mm)	AUTOMATIC	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.9" (32.8 cm)	13.6 lb (6.2 kg)	\$1770.00
M-R1250-NL	3.0" NH (76 mm)	AUTOMATIC	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.9" (32.8 cm)	14.1 lb (6.4 kg)	\$1770.00
M-R1250-NN	3.5" NH (89 mm)	AUTOMATIC	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.0" (30.5 cm)	14.3 lb (6.5 kg)	\$1770.00
M-R1250-NP	4.0" NH (102 mm)	AUTOMATIC	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	12.4" (32.8 cm)	18.2 lb (8.3 kg)	\$1770.00

MASTER STREAM 1000 SERIES ELECTRIC REMOTE

150-1000 GPM (600-3800 LPM)

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.

When ordering a nozzle for use on TFT RC monitors, order a plug version (ERFP). ERFP 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 RC, Typhoon RC and Monsoon RC monitors.

FIXED



- For use with TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Accepts FJ-LX-M Low Expansion foam attachment



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
MERFP1000-NJ	2.5" NH (64 mm)	Factory preset at customer's specified K-factor 50 to 105 maximum. Must specify flow and pressure at time of order.		YES	12.0" (30.5 cm)	12.5 lb (5.7 kg)	\$2205.00
MERFP1000-NN	3.5" NH (89 mm)			YES	12.0" (30.5 cm)	14.9 lb (6.8 kg)	\$2205.00
M-ERF1000-NJ	2.5" NH (64 mm)	Factory preset at customer's specified K-factor 50 to 105 maximum. Must specify flow and pressure at time of order.		NO	12.0" (30.5 cm)	12.6 lb (5.7 kg)	\$2205.00

SELECTABLE



- For use with TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Accepts FJ-LX-M Low Expansion foam attachment



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
MERSP1000-NJ	2.5" NH (64 mm)	250, 350, 500, 750, and 1000 gpm	100 psi (7 bar)	YES	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
MERSP1000-NN	3.5" NH (89 mm)	(950, 1300, 1900, 3000 and 3800 l/min)	100 psi (7 bar)	YES	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ERS1000-NJ	2.5" NH (64 mm)	250, 350, 500, 750, and 1000 gpm (950, 1300, 1900, 3000 and 3800 l/min)	100 psi (7 bar)	NO	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00

MASTER STREAM 1000 SERIES

150-1000 gpm (570-3800 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.

AUTOMATIC



- For use with TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Accepts FJ-LX-M Low Expansion foam attachment



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
M-ERP1000-NJ	2.5" NH (64 mm)	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	YES	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ERP1000-NL	3.0" NH (76 mm)	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	YES	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ERP1000-NN	3.5" NH (89 mm)	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	YES	12.0" (30.5 cm)	15.8 lb (7.2 kg)	\$2205.00
M-ER1000-NJ	2.5" NH (64 mm)	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	NO	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ER1000-NL	3.0" NH (76 mm)	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	NO	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ER1000-NN	3.5" NH (89 mm)	150-1000 gpm (570-3800 l/min)	100 psi (7 bar)	NO	12.0" (30.5 cm)	15.9 lb (7.2 kg)	\$2205.00

MASTER STREAM 1250S SERIES

150-1250 gpm (570-4700 l/min) Small Body

The TFT Master Stream 1250S series gives a clean, far-reaching straight stream. It is adjustable from straight stream to a dense fog pattern. Master Stream 1250S series nozzles are suitable for use with foam.

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 RC, Typhoon RC and Monsoon RC monitors.

AUTOMATIC



- For use with TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Accepts FJ-LX-M Low Expansion foam attachment



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
M-ERP1250SNJ	2.5" NH (64 mm)	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	YES	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ERP1250SNL	3.0" NH (76 mm)	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	YES	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ERP1250SNN	3.5" NH (89 mm)	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	YES	12.0" (30.5 cm)	15.8 lb (7.2 kg)	\$2205.00
M-ER1250S-NJ	2.5" NH (64 mm)	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	NO	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ER1250S-NL	3.0" NH (76 mm)	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	NO	12.0" (30.5 cm)	13.7 lb (6.2 kg)	\$2205.00
M-ER1250S-NN	3.5" NH (89 mm)	150-1250 gpm (570-4700 l/min)	100 psi (7 bar)	NO	12.0" (30.5 cm)	15.9 lb (7.2 kg)	\$2205.00

MASTER STREAM 1250 SERIES ELECTRIC REMOTE

300-1250 gpm (600-4800 l/min) Large Body

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 RC, Typhoon RC and Monsoon RC monitors.

AUTOMATIC

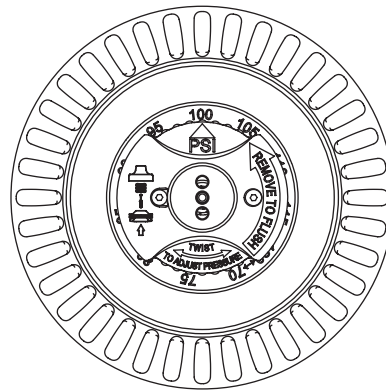


- For TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Operating pressure can be immediately adjusted to tactile detent settings between 70 and 120 psi (4.8 and 8.3 bar)
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
M-ERP1250-NJ	2.5" NH (64 mm)	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	YES	13.0" (33.0 cm)	18.4 lb (8.3 kg)	\$2320.00
M-ERP1250-NL	3.0" NH (76 mm)	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	YES	12.0" (30.5 cm)	16.8 lb (7.6 kg)	\$2320.00
M-ERP1250-NN	3.5" NH (89 mm)	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	YES	12.0" (30.5 cm)	17.3 lb (7.8 kg)	\$2320.00
M-ERP1250-NP	4.0" NH (102 mm)	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	YES	12.0" (30.5 cm)	16.8 lb (7.6 kg)	\$2320.00
M-ER1250-NJ	2.5" NH (64 mm)	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	NO	13.0" (33.0 cm)	16.8 lb (7.6 kg)	\$2320.00
M-ER1250-NL	3.0" NH (76 mm)	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	NO	12.0" (30.5 cm)	16.8 lb (7.6 kg)	\$2320.00
M-ER1250-NN	3.5" NH (89 mm)	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	NO	12.0" (30.5 cm)	16.8 lb (7.6 kg)	\$2320.00
M-ER1250-NP	4.0" NH (102 mm)	300-1250 gpm (1100-4500 l/min)	70-120 psi (4.8-8.3 bar)	NO	12.0" (30.5 cm)	16.8 lb (7.6 kg)	\$2320.00

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.



MASTER STREAM 1000 WITH FLUSH

300-1000 gpm (1100-3800 l/min)

The Master Stream 1000 with Flush has the ability to produce an excellent hard-hitting stream at any flow from 300 gpm to 1000 gpm (1100 l/min to 3800 l/min). Easily adjustable from a straight stream to a wide dense fog pattern, the Master Stream 1000 with Flush is standard with a rugged aluminum bumper with fixed fog teeth. The nozzle features a selector ring behind the stream 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 1000 with Flush is suitable for use with foam and accepts FJ-LX-M2 FoamJet Low Expansion air-aspirating attachment.

AUTOMATIC



- For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- 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)
- Continuously variable from straight stream to wide fog
- Flush without shutting down

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FA1000-NJ	2.5" NH (64 mm)	AUTOMATIC	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	11.1 lb (5.1 kg)	\$1635.00
M-FA1000-NL	3.0" NH (76 mm)	AUTOMATIC	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00
M-FA1000-NN	3.5" NH (89 mm)	AUTOMATIC	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00

SELECTABLE



- For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- A selector ring behind the shaper that can be adjusted while the nozzle is flowing to flows of 350, 500, 750, and 1000 gpm at 100 psi (1300, 2000, 3000, 3800 l/min)
- Continuously variable from straight stream to wide fog
- Flush without shutting down

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FS1000-NJ	2.5" NH (64 mm)	SELECTABLE	350, 500, 750, 1000 gpm (1300, 2000, 3000, 3800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	11.1 lb (5.1 kg)	\$1635.00
M-FS1000-NL	3.0" NH (76 mm)	SELECTABLE	350, 500, 750, 1000 gpm (1300, 2000, 3000, 3800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00
M-FS1000-NN	3.5" NH (89 mm)	SELECTABLE	350, 500, 750, 1000 gpm (1300, 2000, 3000, 3800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00

MASTER STREAM 1250 SERIES WITH FLUSH

300-1250 gpm (1100-4800 l/min)

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, aeriels, 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 FJ-LX-M2 FoamJet Low Expansion air-aspirating attachment.

AUTOMATIC



- For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- 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)
- Continuously variable from straight stream to wide fog
- Flush without shutting down

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FA1250-NJ	2.5" NH (64 mm)	AUTOMATIC	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	11.1 lb (5.1 kg)	\$1635.00
M-FA1250-NN	3.5" NH (89 mm)	AUTOMATIC	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00

SELECTABLE



- For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- A selector ring behind the shaper that can be adjusted while the nozzle is flowing to flows of 500, 750, 1000, and 1250 gpm at 100 psi (2000, 3000, 3800, 4800 l/min)
- Continuously variable from straight stream to wide fog
- Flush without shutting down

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FS1250-NJ	2.5" NH (64 mm)	SELECTABLE	500, 750, 1000, 1250 gpm (2000, 3000, 3800, 4800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	11.1 lb (5.1 kg)	\$1635.00
M-FS1250-NL	3.0" NH (76 mm)	SELECTABLE	500, 750, 1000, 1250 gpm (2000, 3000, 3800, 4800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00
M-FS1250-NN	3.5" NH (89 mm)	SELECTABLE	500, 750, 1000, 1250 gpm (2000, 3000, 3800, 4800 l/min)	100 psi (7 bar)	11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00

FIXED



- For TFT Crossfire, Hurricane, Typhoon, and Monsoon monitors
- Fixed Constant Flow nozzle factory preset at customer's specified K-Factor 50-130
- Continuously variable from straight stream to wide fog
- Flush without shutting down

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-FF1250-NJ	2.5" NH (64 mm)	FIXED	Customer's specified K-Factor 50-130 maximum. Must specify flow and pressure at time of order.		11.7" (29.7 cm)	11.1 lb (5.1 kg)	\$1635.00
M-FF1250-NL	3.0" NH (76 mm)	FIXED			11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00
M-FF1250-NN	3.5" NH (89 mm)	FIXED			11.7" (29.7 cm)	14.0 lb (6.4 kg)	\$1635.00

MASTER STREAM 1000 ELECTRIC REMOTE WITH FLUSH

300-1000 gpm (1100-3800 l/min)

The Master Stream 1000 Electric Remote with Flush has the ability to produce an excellent hard-hitting stream at any flow from 300 gpm to 1000 gpm (1100 l/min to 3800 l/min). Easily adjustable from a straight stream to a wide dense fog pattern, the Master Stream 1000 with Flush is standard with a rugged aluminum bumper with fixed fog teeth. The nozzle features a selector ring behind the shaper that allows 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 1000 with Flush is suitable for use with foam and accepts FJ-LX-M2 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 RC, Typhoon RC and Monsoon RC monitors.

AUTOMATIC

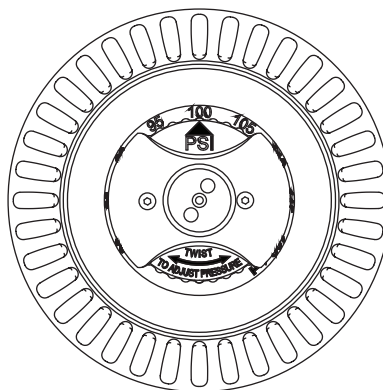


- For TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- With a twist of the large knob on the front of the nozzle, constant operating pressure can be immediately adjusted to tactile detent settings between 80 and 120 psi (5.5 and 8.3 bar)
- Continuously variable from straight stream to wide fog
- Flush without shutting down



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
M-FAEP1000NJ	2.5" NH (64 mm)	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAEP1000NL	3.0" NH (76 mm)	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAEP1000NN	3.5" NH (89 mm)	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAER1000NJ	2.5" NH (64 mm)	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAER1000NL	3.0" NH (76 mm)	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAER1000NN	3.5" NH (89 mm)	300-1000 gpm (1100-3800 l/min)	80-120 psi (5.5-8.3 bar)	NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00

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 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.



MASTER STREAM 1250 SERIES ELECTRIC REMOTE WITH FLUSH

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 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 FJ-LX-M2 FoamJet Low Expansion air-aspirating attachment.



AUTOMATIC

- For TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- 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)
- Continuously variable from straight stream to wide fog
- Flush without shutting down



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
M-FAEP1250NJ	2.5" NH (64 mm)	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAEP1250NL	3.0" NH (76 mm)	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAEP1250NN	3.5" NH (89 mm)	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAER1250NJ	2.5" NH (64 mm)	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAER1250NL	3.0" NH (76 mm)	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FAER1250NN	3.5" NH (89 mm)	300-1250 gpm (1100-4800 l/min)	80-120 psi (5.5-8.3 bar)	NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00



FIXED

- For TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Fixed Constant Flow nozzle factory preset at customer's specified K-Factor 50-130
- Continuously variable from straight stream to wide fog
- Flush without shutting down



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
M-FFEP1250NJ	2.5" NH (64 mm)	Customer's specified K-Factor 50-130 Must specify flow and pressure at time of order.		YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FFEP1250NL	3.0" NH (76 mm)			YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FFEP1250NN	3.5" NH (89 mm)			YES	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FFER1250NJ	2.5" NH (64 mm)			NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FFER1250NL	3.0" NH (76 mm)			NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00
M-FFER1250NN	3.5" NH (89 mm)			NO	11.7" (29.7 cm)	15.1 lb (6.8 kg)	\$2260.00

MASTER STREAM 1500 SERIES

300-1500 gpm (1100-6000 l/min)

The 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

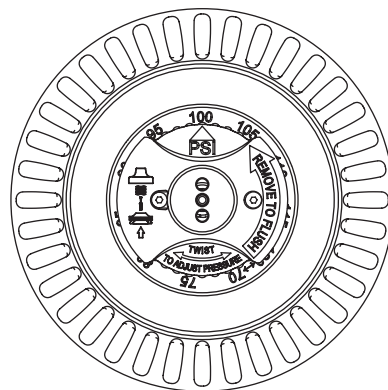
settings between 70 and 120 psi (4.8 and 8.3 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 150. Applications include truck mounted deluge devices, aerials, fireboats, industrial applications, or where a flow of 300 - 1500 gpm (1100 - 6000 l/min) is necessary or desired.



- For TFT Hurricane, Typhoon, and Monsoon monitors
- 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)
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Halo ring for pattern control

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R1500-NJ	2.5" NH (64 mm)	AUTOMATIC	300 - 1500 gpm (1100 - 6000 l/min)	70 - 120 psi (4.8 - 8.3 bar)	12.9" (32.8 cm)	15.5 lb (7.0 kg)	\$1770.00
M-R1500-NL	3.0" NH (76 mm)	AUTOMATIC	300 - 1500 gpm (1100 - 6000 l/min)	70 - 120 psi (4.8 - 8.3 bar)	12.0" (32.0 cm)	15.1 lb (6.8 kg)	\$1770.00
M-R1500-NN	3.5" NH (89 mm)	AUTOMATIC	300 - 1500 gpm (1100 - 6000 l/min)	70 - 120 psi (4.8 - 8.3 bar)	12.0" (32.0 cm)	14.4 lb (6.5 kg)	\$1770.00
M-R1500-NP	4.0" NH (102 mm)	AUTOMATIC	300 - 1500 gpm (1100 - 6000 l/min)	70 - 120 psi (4.8 - 8.3 bar)	12.0" (32.0 cm)	15.1 lb (6.8 kg)	\$1770.00

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.



MASTER STREAM 1500 ELECTRIC REMOTE SERIES

300-1500 gpm (1100-6000 l/min)

Electrically operated pattern control for use on remote applications.

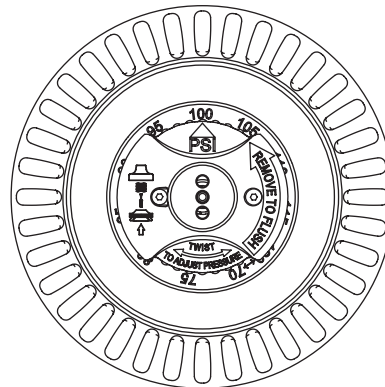
The rugged, aluminum drive is totally enclosed and waterproof. The 12 to 24 volt drive unit draws 3 amps. There is a manual override if the electrical power fails. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

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 RC, Typhoon RC and Monsoon RC monitors.



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
M-ERP1500-NJ	2.5" NH (64 mm)	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	YES	13.0" (33.0 cm)	18.0 lb (8.2 kg)	\$2320.00
M-ERP1500-NL	3.0" NH (76 mm)	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	YES	12.0" (32.0 cm)	16.8 lb (7.6 kg)	\$2320.00
M-ERP1500-NN	3.5" NH (89 mm)	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	YES	12.0" (32.0 cm)	17.3 lb (7.8 kg)	\$2320.00
M-ERP1500-NP	4.0" NH (102 mm)	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	YES	12.0" (32.0 cm)	16.8 lb (7.6 kg)	\$2320.00
M-ER1500-NJ	2.5" NH (64 mm)	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	NO	13.0" (33.0 cm)	18.0 lb (8.2 kg)	\$2320.00
M-ER1500-NL	3.0" NH (76 mm)	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	NO	12.0" (32.0 cm)	16.8 lb (7.6 kg)	\$2320.00
M-ER1500-NN	3.5" NH (89 mm)	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	NO	12.0" (32.0 cm)	17.3 lb (7.8 kg)	\$2320.00
M-ER1500-NP	4.0" NH (102 mm)	300-1500 gpm (1100-6000 l/min)	70-120 psi (4.8-8.3 bar)	NO	12.0" (32.0 cm)	18.7 lb (8.4 kg)	\$2320.00

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.



MASTER STREAM 2000 SERIES

300-2000 gpm (1100-7600 l/min)

The Master Stream 2000 has the ability to produce an excellent hard-hitting stream at any volume from 300 gpm to 2000 gpm (1100 - 7600 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

tactile detent settings between 80 and 120 psi (5.5 and 8.0 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 - 7600 l/min) is necessary or desired.



- For use on TFT Typhoon and Monsoon monitors
- Continuously variable from straight stream to wide fog
- Molded rubber fog teeth with full fill power fog
- Halo ring for pattern control

MODEL	INLET	OPERATING SYSTEM	FLOW	OPERATING PRESSURE	LENGTH	WEIGHT	LIST PRICE
M-R2000-NL	3.0" NH (76 mm)	AUTOMATIC	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	20.2 lb (9.2 kg)	\$2320.00
M-R2000-NN	3.5" NH (89 mm)	AUTOMATIC	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	18.7 lb (8.5 kg)	\$2320.00
M-R2000-NP	4.0" NH (102 mm)	AUTOMATIC	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	12.1" (30.7 cm)	18.7 lb (8.5 kg)	\$2320.00

MASTER STREAM STACKED TIP

Up to 2000 gpm (7600 l/min)

4 STACKED TIPS, 3.5" NH (89 mm) Designed for monitor use up to 2000 gpm (7600 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". (70 mm, 64 mm, 57 mm and 51 mm) 3.5" NH (89 mm) swivel inlet coupling is standard.



- For use on TFT Typhoon and Monsoon monitors
- Built in stream straightener

YST-4NN
\$1160.00
 10.7 lb (4.9 kg)
 22.0" (55.9 cm)

MASTER STREAM ELECTRIC REMOTE 2000 SERIES

300-2000 gpm (1100-7600 l/min)

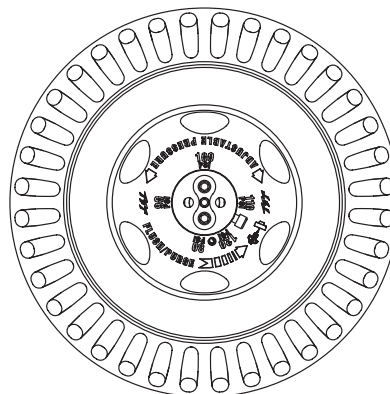
The rugged, aluminum drive is totally enclosed and waterproof. The 12 to 24 volt drive unit draws 3 amps. There is a manual override if the electrical power fails. Nozzle and actuator are hardcoat anodized aluminum for maximum resistance to corrosion and wear. Tip does not shut off.

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 Typhoon RC and Monsoon RC monitors.



MODEL	INLET	FLOW	OPERATING PRESSURE	SMART STREAM TECHNOLOGY	LENGTH	WEIGHT	LIST PRICE
M-ERP2000-NL	3.0" NH (76 mm)	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	YES	12.1" (30.7 cm)	23.1 lb (10.5 kg)	\$3090.00
M-ERP2000-NN	3.5" NH (89 mm)	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	YES	12.1" (30.7 cm)	22.3 lb (10.1 kg)	\$3090.00
M-ERP2000-NP	4.0" NH (102 mm)	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	YES	12.1" (30.7 cm)	24.2 lb (11.0 kg)	\$3090.00
M-ER2000-NL	3.0" NH (76 mm)	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	NO	12.1" (30.7 cm)	23.1 lb (10.5 kg)	\$3090.00
M-ER2000-NN	3.5" NH (89 mm)	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	NO	12.1" (30.7 cm)	22.3 lb (10.1 kg)	\$3090.00
M-ER2000-NP	4.0" NH (102 mm)	300 - 2000 gpm (1100 - 7600 l/min)	80-120 psi (5.5-8.0 bar)	NO	12.1" (30.7 cm)	24.2 lb (11.0 kg)	\$3090.00

This nozzle 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 (5.5 and 8.0 bar). At pressures other than 100 psi, maximum flow is determined by K-factor of 230.



VORTEX® 2 & VORTEX® 2ER ELECTRIC REMOTE

The TFT VORTEX® 2 and 2ER enhances the use of a smoothbore nozzle. It is intended for installation behind a smoothbore nozzle for use with water, firefighting foam solutions or CAFS. Six short vanes in the bore of the VORTEX reduce turbulence in straight stream. Actuation from "STREAM" to "VORTEX" causes the vanes to pivot

proportionally. This induces a gentle spin in the water to create a uniformly dispersed stream pattern at the exit of the smoothbore tip resulting in virtually no friction loss regardless of which stream pattern is selected. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear.



- For use on TFT Blitzfire, Hemisphere, Crossfire, Hurricane, Typhoon, and Monsoon monitors
- Uses a crank to actuate from "STREAM" to "VORTEX"
- Internal vanes allow larger debris to easily pass through the Vortex
- Unrestricted stream straightener
- Use with any Master Stream Smoothbore Tip

MODEL	INLET	OUTLET	OPERATING SYSTEM	MAXIMUM PRESSURE	FLOW	LENGTH	WEIGHT	LIST PRICE
SVJ-NJNJ	2.5" NH (64 mm)	2.5" NH (64 mm)	MANUAL	300 psi (21 bar)	up to 1250 gpm (up to 4500 l/min)	8.4" (21.3 cm)	5.5 lb (2.5 kg)	\$2025.00



- For use on TFT Hurricane RC, Typhoon RC, and Monsoon RC monitors
- Electric Remote control with a manual override to actuate from "STREAM" to "VORTEX"
- Internal vanes allow larger debris to easily pass through the Vortex
- Unrestricted stream straightener
- Use with any Master Stream Smoothbore Tip

MODEL	INLET	OUTLET	OPERATING SYSTEM	MAXIMUM PRESSURE	FLOW	LENGTH	WEIGHT	LIST PRICE
SVJE-NJNJ	2.5" NH (64 mm)	2.5" NH (64 mm)	ELECTRIC REMOTE	300 psi (21 bar)	up to 1250 gpm (up to 4500 l/min)	8.4" (21.3 cm)	7.9 lb (3.6 kg)	\$2080.00
SVJE-NNNJ	3.5" NH (76 mm)	2.5" NH (64 mm)	ELECTRIC REMOTE	300 psi (21 bar)	up to 1250 gpm (up to 4500 l/min)	8.4" (21.3 cm)	7.9 lb (3.6 kg)	\$2080.00



MST-4NJ
See page G5 for pricing.
3.10 lb (1.40 kg)

4 STACKED TIPS, 2.5" NH (64 mm) 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 (64 mm) swivel coupling is standard. Orifice openings are 2", 1.75", 1.5", and 1.375". (51 mm, 44 mm, 38 mm and 35 mm) Length 16.90". (42.9 cm)

VORTEX® 3 & VORTEX® 3ER ELECTRIC REMOTE

The TFT VORTEX® 3 and 3ER enhances the use of a smoothbore nozzle. It is intended for installation behind a smoothbore nozzle for use with water, firefighting foam solutions or CAFS. Six short vanes in the bore of the VORTEX reduce turbulence in straight stream. Actuation from "STREAM" to "VORTEX" causes the vanes to pivot

proportionally. This induces a gentle spin in the water to create a uniformly dispersed stream pattern at the exit of the smoothbore tip resulting in virtually no friction loss regardless of which stream pattern is selected. Lightweight hardcoat anodized aluminum for maximum resistance to corrosion and wear.



- For use on TFT Typhoon and Monsoon monitors
- Uses a crank to actuate from "STREAM" to "VORTEX"
- Internal vanes allow larger debris to easily pass through the Vortex
- Unrestricted stream straightener
- Use with any Master Stream Smoothbore Tip

MODEL	INLET	OUTLET	OPERATING SYSTEM	MAXIMUM PRESSURE	FLOW	LENGTH	WEIGHT	LIST PRICE
SVN-NNNN	3.5" NH (89 mm)	3.5" NH (89 mm)	MANUAL	300 psi (21 bar)	up to 2500 gpm (up to 9500 l/min)	9.0" (22.9 cm)	11.5 lb (5.2 kg)	\$2435.00



- For use on TFT Typhoon RC and Monsoon RC monitors
- Electric Remote control with a manual override to actuate from "STREAM" to "VORTEX"
- Internal vanes allow larger debris to easily pass through the Vortex
- Unrestricted stream straightener
- Use with any Master Stream Smoothbore Tip

MODEL	INLET	OUTLET	OPERATING SYSTEM	MAXIMUM PRESSURE	FLOW	LENGTH	WEIGHT	LIST PRICE
SVNE-NNNN	3.5" NH (89 mm)	3.5" NH (89 mm)	ELECTRIC REMOTE	300 psi (21 bar)	up to 2500 gpm (up to 9500 l/min)	9.0" (22.9 cm)	13.9 lb (6.3 kg)	\$2685.00

3 STACKED TIPS, 3.5" NH (76 mm) 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. 3.5" NH (89 mm) swivel coupling is standard. Orifice openings are 2.5", 2.25", and 2.0". (64 mm, 57 mm and 51 mm) Length 12.70" (32.3 cm)



YST-3NN
\$765.00
 4.9 lb (2.2 kg)
 12.7" (32.3 cm)

- For use on TFT Typhoon and Monsoon with Vortex 3 and 3ER
- 3.5" NH (89 mm) female swivel coupling inlet, 2.5" NH (64 mm) male outlet
- Flows up to 1650 gpm (6250 l/min)
- Flow and pressure charts laser engraved



YST-1NN
\$430.00
 2.7 lb (1.2 kg)
 6.1" (15.5 cm)

- For use on TFT Typhoon and Monsoon with Vortex 3 and 3ER
- 3.5 NH (89 mm) female swivel coupling inlet, 2.5" (64 mm) male outlet
- Flows up to 1650 gpm (6250 l/min)
- Flow and pressure charts laser engraved

EXTEND-A-GUN™

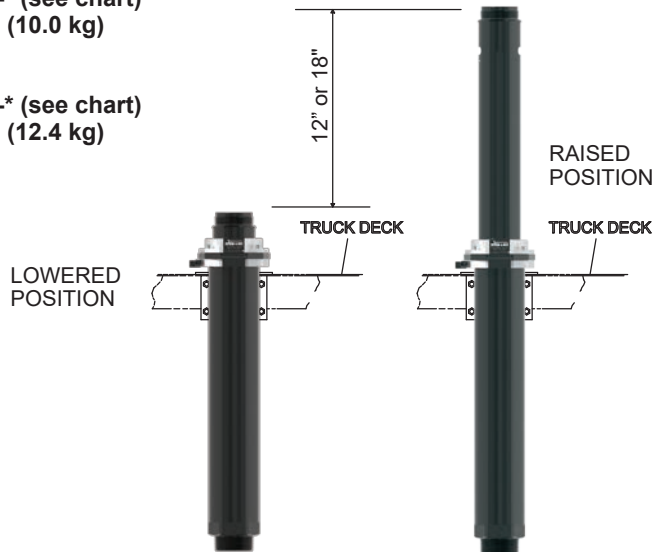
3" (76 mm) Manual Telescoping Waterway

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

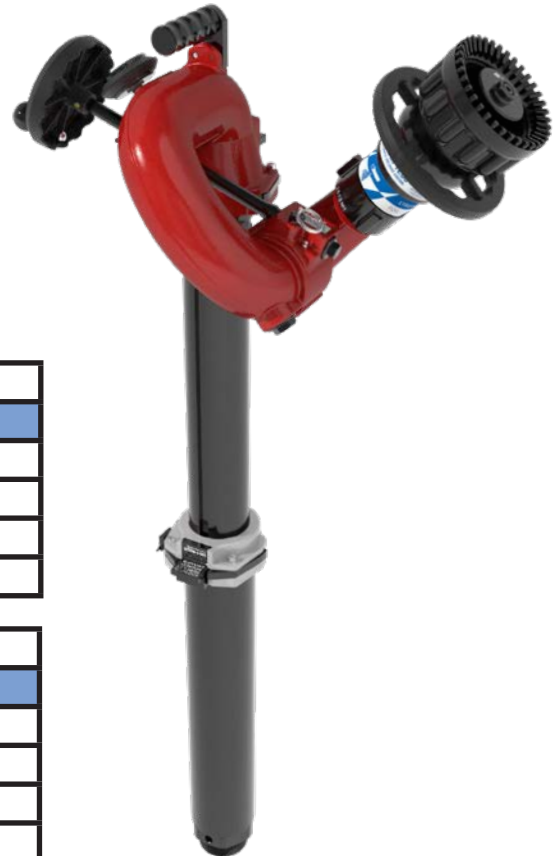
clearance of other equipment on the apparatus, greater freedom of movement and allows a more comfortable operating position. The Extend-A-Gun offers a full 3" (75mm) waterway, hardcoat anodized finish, and built-in sensor for connection to "monitor raised" light or truck open compartment warning. Can be specified with new, or retrofitted to existing apparatus.

XG12*-* (see chart)
22.0 lb (10.0 kg)

XG18*-* (see chart)
27.4 lb (12.4 kg)



Shown with
CROSSFIRE Monitor and Master Stream 1250 Nozzle.
(Monitor, Nozzle and Mounting Brackets not included)



TFT CODE-RLM OUTLET (For TFT Monitors with RLF inlets)			
INLET	MODEL#	EXTENSION	PRICE
3" TAPER PIPE MALE (76 mm)	XG12PL-RL	12" (30.5cm)	\$1635.00
	XG18PL-RL	18" (45.7cm)	\$1770.00
3" VICTAULIC (76 mm)	XG12VL-RL	12" (30.5cm)	\$1635.00
	XG18VL-RL	18" (45.7cm)	\$1770.00

CROSSFIRE OUTLET: ONLY FITS CROSSFIRE MONITOR TOP			
INLET	MODEL#	EXTENSION	PRICE
3" TAPER PIPE MALE (76 mm)	XG12PL-XL	12" (30.5cm)	\$1635.00
	XG18PL-XL	18" (45.7cm)	\$1770.00
3" VICTAULIC (76 mm)	XG12VL-XL	12" (30.5cm)	\$1635.00
	XG18VL-XL	18" (45.7cm)	\$1770.00

OUTLET: 3" NPT (TAPER PIPE MALE) FITS ANY MONITOR TOP			
INLET	MODEL#	EXTENSION	PRICE
3" TAPER PIPE MALE (76 mm)	XG12PL-PL	12" (30.5cm)	\$1880.00
	XG18PL-PL	18" (45.7cm)	\$2100.00
3" VICTAULIC (76 mm)	XG12VL-PL	12" (30.5cm)	\$1880.00
	XG18VL-PL	18" (45.7cm)	\$2100.00

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
\$180.00
10.2 lbs (4.6 kg)

XGB-13
TUBE/SADDLE



XGB-23
\$165.00
8.2 lbs (3.7 kg)

XGB-23
PLATE/SADDLE



XGB-33
\$150.00
5.0 lbs (2.3 kg)

XGB-33
SADDLE/SADDLE



EXTEND-A-GUN™ RC3

3" (76 mm) Remote Control 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

XGA32*-* (see chart)
12" Extend-A-Gun
26.6 lbs (12 kg)

XGA38*-* (see chart)
18" Extend-A-Gun
32 lbs (14.5 kg)



LOWERED
POSITION

RAISED
POSITION



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 B62) is required if the RC Extend-A-Gun is to be installed with a TFT manual Monitor.**

Shown with HURRICANE RC Monitor and Master Stream 1250SERP Nozzle. (Monitor, Nozzle and Mounting Bracket not included)



TFT CODE-RLM OUTLET*			
INLET	MODEL#	EXTENSION	PRICE
3" BSP (76 mm)	XGA32BL-RL	12" (30.5cm)	\$4670.00
3" BSP (76 mm)	XGA38BL-RL	18" (45.7cm)	\$4670.00
3" NPT (76 mm)	XGA32PL-RL	12" (30.5cm)	\$4670.00
3" NPT (76 mm)	XGA38PL-RL	18" (45.7cm)	\$4670.00
3" VICTAULIC	XGA32VL-RL	12" (30.5cm)	\$4670.00
3" VICTAULIC	XGA38VL-RL	18" (45.7cm)	\$4670.00

* Fits inlet of Tornado RC, Hurricane RC, Typhoon RC or Monsoon RC monitors with 3" connection code-RLF.

CROSSFIRE OUTLET: ONLY FITS CROSSFIRE MONITOR TOP			
INLET	MODEL#	EXTENSION	PRICE
3" BSP (76 mm)	XGA38BL-XL	18" (45.7 cm)	\$4670.00
3" NPT (76 mm)	XGA38PL-XL	18" (45.7 cm)	\$4670.00
3" VICTAULIC	XGA38VL-XL	18" (45.7 cm)	\$4670.00

CONTROL BOX
 (complete with 10 ft (3 m) of power & communication cable for connection to monitor communication link & power, 10 ft (3 m) of cable for connection to RC monitor, and 12 ft (3.6 m) 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
\$180.00
10.2 lbs (4.6 kg)



XGB-13
TUBE/SADDLE

XGB-23
\$165.00
8.2 lbs (3.7 kg)



XGB-23
PLATE/SADDLE

XGB-33
\$150.00
5.0 lbs (2.3 kg)



XGB-33
SADDLE/SADDLE

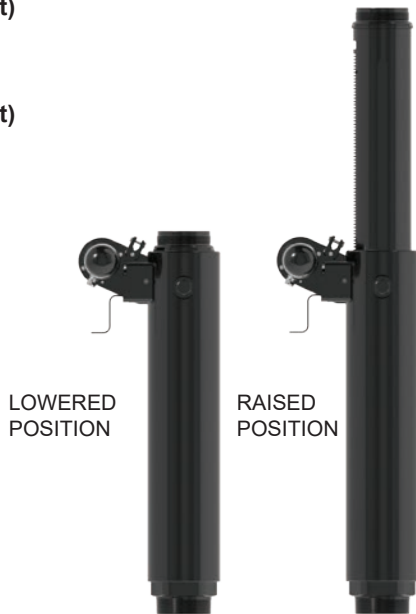
EXTEND-A-GUN™ RC4

4" (102 mm) Remote Control 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.

XGA42*-* (see chart)
12" Extend-A-Gun
 41.5 lbs (12 kg)

XGA48*-* (see chart)
18" Extend-A-Gun
 47.0 lbs (21.3 kg)



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 B62) is required if the RC Extend-A-Gun is to be installed with a TFT manual Monitor.**

Shown with MONSOON RC Monitor and Master Stream 2000ERP Nozzle. (Monitor, Nozzle and Mounting Brackets not included)



CONTROL BOX
 (complete with 10 ft (3 m) of power & communication cable for connection to monitor communication link & power, 10 ft (3 m) of cable for connection to RC monitor, and 12 ft (3.6 m) of cable for connection to RC Extend-A-Gun motor)



TFT CODE-RPM OUTLET*			
INLET	MODEL#	EXTENSION	PRICE
4" BSP (102 mm)	XGA42BP-RP	12" (30.5 cm)	\$4845.00
4" BSP (102 mm)	XGA48BP-RP	18" (45.7 cm)	\$4845.00
4" NPT (102 mm)	XGA42PP-RP	12" (30.5 cm)	\$4845.00
4" NPT (102 mm)	XGA48PP-RP	18" (45.7 cm)	\$4845.00
4" VICTAULIC	XGA42VP-RP	12" (30.5 cm)	\$4845.00
4" VICTAULIC	XGA48VP-RP	18" (45.7 cm)	\$4845.00

* 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
\$186.00
 17.8 lbs (8.1 kg)

XGB-43
PLATE/SADDLE



XGB-53
\$171.00
 11.4 lbs (5.1 kg)

XGB-53
SADDLE/SADDLE



NOZZLE OPTIONS FOR THE EF1 RC MONITOR



SMOOTH BORE

Smoothbore Tips—
5/8" for 80 gpm (300 l/min)
or 1" for 200 gpm (750 l/min)
Good for CAFS Applications

Y1-E32A Monitor with FF152



SELECTABLE

100 psi Selectable ER Tip
Flow Capacity that ranges
from 15 to 120 gpm
(50 to 450 l/min)

Y1-E32A Monitor with B-TOS-ERP



ULTIMATIC

75, 100, 120 or 150 psi
Automatic Tip
Flow Capacities that range
from 10 to 125 gpm
(35 to 470 l/min)

Y1-E32A Monitor with B-TO-ERP



BUBBLE CUP

100 psi Dual Gallonage Tip
Flow Capacities at
20/60 gpm (75/230 l/min)
or 20/95 gpm (75/360 l/min)
Integrated Aspirated Foam Sleeve
Integrated Nozzle Shut-off

Y1-E32A Monitor with FS2095BCER

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-BT1
Bluetooth®
Adapter



FREE BLUETOOTH® OPERATIONS APP
SEARCH: TASK FORCE TIPS OPS APP

PUMP PANEL



Panel Mount
Monitor Operator
Station

HANDHELD W/30 FT TETHER

Tethered Monitor
Operator Station



JOYSTICK IN THE CAB



Joystick Monitor Operator Station
with Valve Control. Available in a
Gateable or Non-Gateable Version



Heavy Duty
Stainless Steel Water
Valve and Interface Box:
Gateable Version or Non-Gateable
Version

EF1™ RC**Remote Control Monitor Up To 200 gpm (750 l/min)**

The EF1 RC monitor is extremely compact, yet it has a large 1.5" (38 mm) 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 (750 l/min). Elevation range is 90° above horizontal to 45° below. 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 optional controllers allow 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 aluminum. Silver powder coat finish. Various inlets are available. Contact factory for details about wireless operation.



- Excellent wildland and interface monitor
- Compact for front bumper mounting
- Enclosed motors and electronics
- External wiring is reduced to a minimum
- Single plug for quick installation

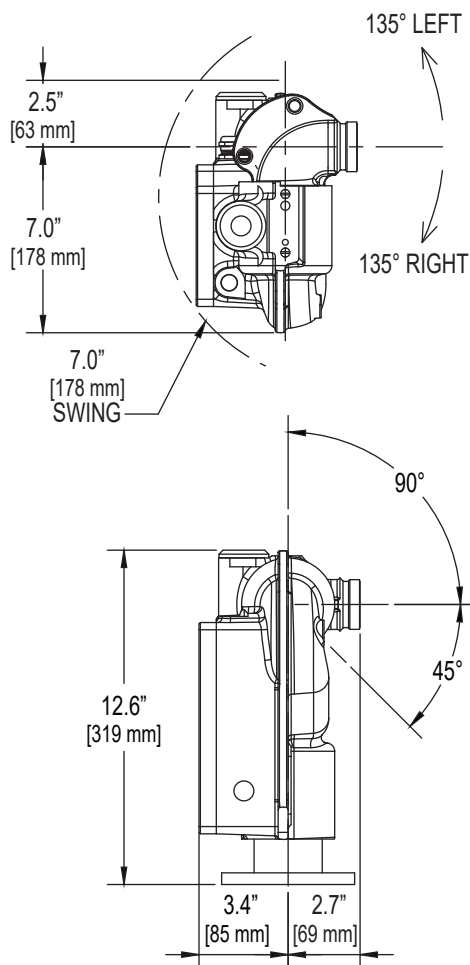
Y1-E31A

\$5050.00

17.0 lb (7.7 kg)

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-E31A is an monitor with 1.5" (38 mm) ANSI 150 inlet and 1.5"-11 BSP (38 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

Y1-E**A**

Inlet	Outlet
2) 1.5" (38 mm) BSPT Female	1) 1.5"-11 (38 mm) BSP Male
3) 1.5" (38 mm) ANSI 150 **	2) 1.5"-9 (38 mm) NH Male
4) 1.5" (38 mm) NPT Female	3) 1.5" (38 mm) NPSH Male
6) 2.0" (51 mm) BSPT Female	
7) 2.0" (51 mm) ANSI 150 **	
8) 2.0" (51 mm) NPT Female	
9) 2.5"-7.5 (64 mm) NH Female § ±	
0) 2.5"-11 (64 mm) BSPT Female ±	
A) 2.0"-11 (51 mm) BSPT Female ±	
B) DN80, PN16 Flange ±	
C) 2.5" (64 mm) ANSI 150 ±	
D) 2.5"-8 (64 mm) NPT Female ±	
E) 2.0"-11.5 (51 mm) NPT Female ±	
F) 3.0" -8 (76 mm) NPT Female ±	
G) 3.0" (76 mm) ANSI 150 Rigid ±	
H) TFT Code-RLF * ±	
J) 1.5"-11.5 (38 mm) NPT Female ±	
*Code-RLF Fits Extend-A-Gun RC3 ± Quick Connect Inlet Adapter ** 1.5" (38 mm) NPT Female on inner diameter of flange § No inlet adapter	

Combination Package EF1 RC

Rated to 200 gpm (750 l/min) with a maximum operating pressure of 200 psi (14 bar), 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 hardcoat anodized aluminum alloy and has a silver powder coat finish.



- Package includes EF1 monitor, nozzle and Bluetooth adapter
- Operate monitor via Bluetooth® from any smart device using the free App
- Easy one cable installation
- Compact and flow efficient

Y1C-71
\$7080.00
7.0 lb (7.7 kg)

PACKAGE PART NUMBER
Specify Nozzle and monitor Inlet and Outlet by number from chart

When ordering a EF1 RC monitor Package Y1C-71, choose one option from each category.

Example: Y1-E31A is an monitor with 1.5" (38 mm) ANSI 150 inlet and 1.5"-11 (38 mm) BSP male threaded outlet.

F2060BCER is a 20/60 GPM Bubble Cup ER Nozzle

YE-BT1 is a Bluetooth® interface to allow monitor control from any smart device using the free App.

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

MONITOR CHOICE

Y1-E

Inlet	Outlet
2) 1.5" (38 mm) BSPT Female	1) 1.5"-11 (38 mm) BSP Male
3) 1.5" (38 mm) ANSI 150 **	2) 1.5"-9 (38 mm) NH Male
4) 1.5" (38 mm) NPT Female	3) 1.5" (38 mm) NPSH Male
6) 2.0" (51 mm) BSPT Female	
7) 2.0" (51 mm) ANSI 150 **	
8) 2.0" (51 mm) NPT Female	
9) 2.5"-7.5 (64 mm) NH Female § ±	
0) 2.5"-11 (64 mm) BSPT Female ±	
A) 2.0"-11 (51 mm) BSPT Female ±	
B) DN80, PN16 Flange ±	
C) 2.5" (64 mm) ANSI 150 ±	
D) 2.5"-8 (64 mm) NPT Female ±	
E) 2.0"-11.5 (51 mm) NPT Female ±	
F) 3.0" -8 (76 mm) NPT Female ±	
G) 3.0" (76 mm) ANSI 150 Rigid ±	
H) TFT Code-RLF * ±	
J) 1.5"-11.5 (38 mm) NPT Female ±	
*Code-RLF Fits Extend-A-Gun RC3 ± Quick Connect Inlet Adapter ** 1.5" (38 mm) NPT Female on inner diameter of flange § No inlet adapter	

A

NOZZLE CHOICE



☐ **F2060BCER**
20/60 GPM Nozzle

☐ **F2095BCER**
20/95 GPM Nozzle

CONTROLLER

☐ **YE-BT1**
Bluetooth®
Adapter

FREE BLUETOOTH® OPERATIONS APP



SEARCH: TASK FORCE TIPS OPS APP

NOZZLE OPTIONS FOR THE TORNADO RC LT MONITOR

TORNADO RC LT

ULTIMATIC
Automatic @ 100,
120 or 150 psi
or
Selectable @ 100 psi

Smoothbore
Stacked Tips

MID-MATIC
Automatic @ 100 psi

MID-FORCE
Dual Pressure
Automatic
@ 55 or 100 psi

Smoothbore
Stacked Tips

MAX-MATIC
Automatic
@ 100 psi

MAX-FORCE
Dual Pressure
Automatic
@ 55 or 100 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2ER

MAX-FLOW
Fixed gpm
500 gpm

Smoothbore
Stacked Tips
With or Without
Vortex 2ER

CAFS-FORCE
Dual Pressure Automatic
@ 45 psi (CAFS)
and 75 psi (Water)

Smoothbore
1½ with 1.5"
or 2.5" inlet
With or Without
Vortex 2ER

FLOW RATE

**10 - 125
gpm**

**70 - 200
gpm**

**100 - 500
gpm**

**500
gpm**

CAFS

RC CONTROLLER OPTIONS

BLUETOOTH®

YE-BT1
Bluetooth®
Adapter


 GET IT ON
Google Play

 Download on the
App Store

FREE BLUETOOTH® OPERATIONS APP
SEARCH: TASK FORCE TIPS OPS APP

PUMP PANEL

Panel Mount



HANDHELD W/30 FT TETHER



Tethered Monitor Operator Station

JOYSTICK IN THE CAB



**Joystick Monitor Operator Station
(required) with valve control.**



**Heavy Duty
Water Valve and
Interface Box.**

TORNADO® RC LT

Remote Control Monitor Up To 500 gpm (2000 l/min)

The Tornado RC LT is very compact, yet it has a large 2.25" (57 mm) waterway, capable of flowing up to 500 gpm (2000 l/min), making it the ideal bumper turret. Waterway with turning vane has only 19 psi (1.3 bar) friction loss at 500 gpm (2000 l/min). Elevation range is 90° above horizontal to 45° below horizontal. 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.

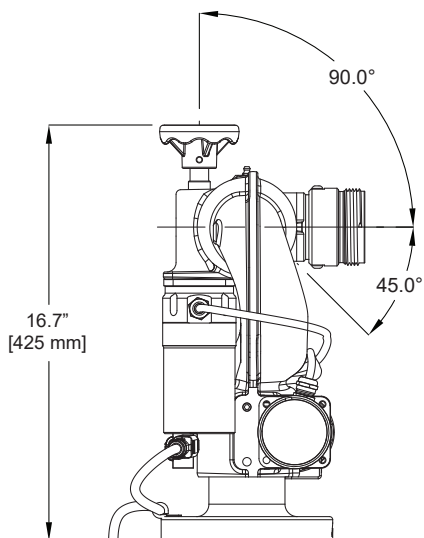
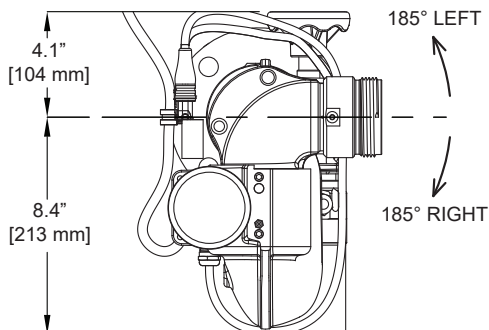


- Compact design with plug connections for easy installation
- Consult factory for special nozzle options
- LED light kit available see page B64



Y2-E11A-LT
\$7595.00
 25.0 lb. (11.3 kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart



Y4E-JS-LT

Joystick Monitor Operator Station
With Valve Control Must Be Ordered
And Installed.

When ordering a Tornado RC LT monitor, choose one option from each category. Example: Y2-E61A-LT is an electric monitor with 2.5" (64 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) 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	Outlet		
1) 2.5"-7.5 NH (64 mm) Female §	1) 2.5"-7.5 NH (64 mm) Male		
2) 2.5"-11 BSPT (64 mm) Female	2) 2.5"-11 BSP (64 mm) Male		
3) 2.0"-11 BSPT (51 mm) Female	3) 1.5"-11 BSP (38 mm) Male		
5) DN80, PN16 Flange	4) 1.5"-9 NH (38 mm) Male		
6) 2.5" (64 mm) ANSI 150	8) Special 1.5" (38 mm)		
7) 2.5"-8 NPT (64 mm) Female	9) Special 2.5" (64 mm)		
8) 2.0"-11.5 NPT (51 mm) Female			
9) 3.0"-8 NPT (76 mm) Female			
0) 3.0" (76 mm) ANSI 150 Rigid			
F) 2.5" (64 mm) ANSI 150 Rigid			
§ No inlet adapter			

TORNADO® RC DUST MITIGATION

Compact Industrial Monitor Flows Up To 500 gpm (2000 l/min)

TFT's TORNADO® RC compact industrial monitor is designed for both fire and industrial applications. This industrial version is certified to ingress protection IP66/67 to limit penetration of dust and moisture into the electronics, ball races and gears. Models are remotely operated and are capable of flowing up to 500 gpm (2000 l/min). Heavy duty seals and O-rings help mitigate contamination in applications like mining and road construction.

- High performance seals in both the vertical and horizontal axis minimize penetration of dust and moisture in bearing races
- Override knobs have been replaced with protective caps and seals to minimize penetration of dust and moisture in the worm gear area
- 340 ° maximum total rotation for the horizontal axis
- Horizontal axis has infinitely adjustable travel stops



10001004 QM08
ISO 9001:2015
TASK FORCE TIPS LLC



Y2-EG4A-S
\$7990.00
12.3 lb (5.5 kg)

Shown with NYSTACK and DN65 Table E Inlet Flange
Other inlets & outlets available, consult factory

Worldwide Approval and Certifications

from agencies around the world, as well as being a Registered Firm to ISO 9001:2015 by Underwriter's. Certificates for specific models are available for review on the TFT website at tft.com/Resource-Library, and include approvals of remote controlled models used in potentially hazardous atmospheres as well as country specific requirements.

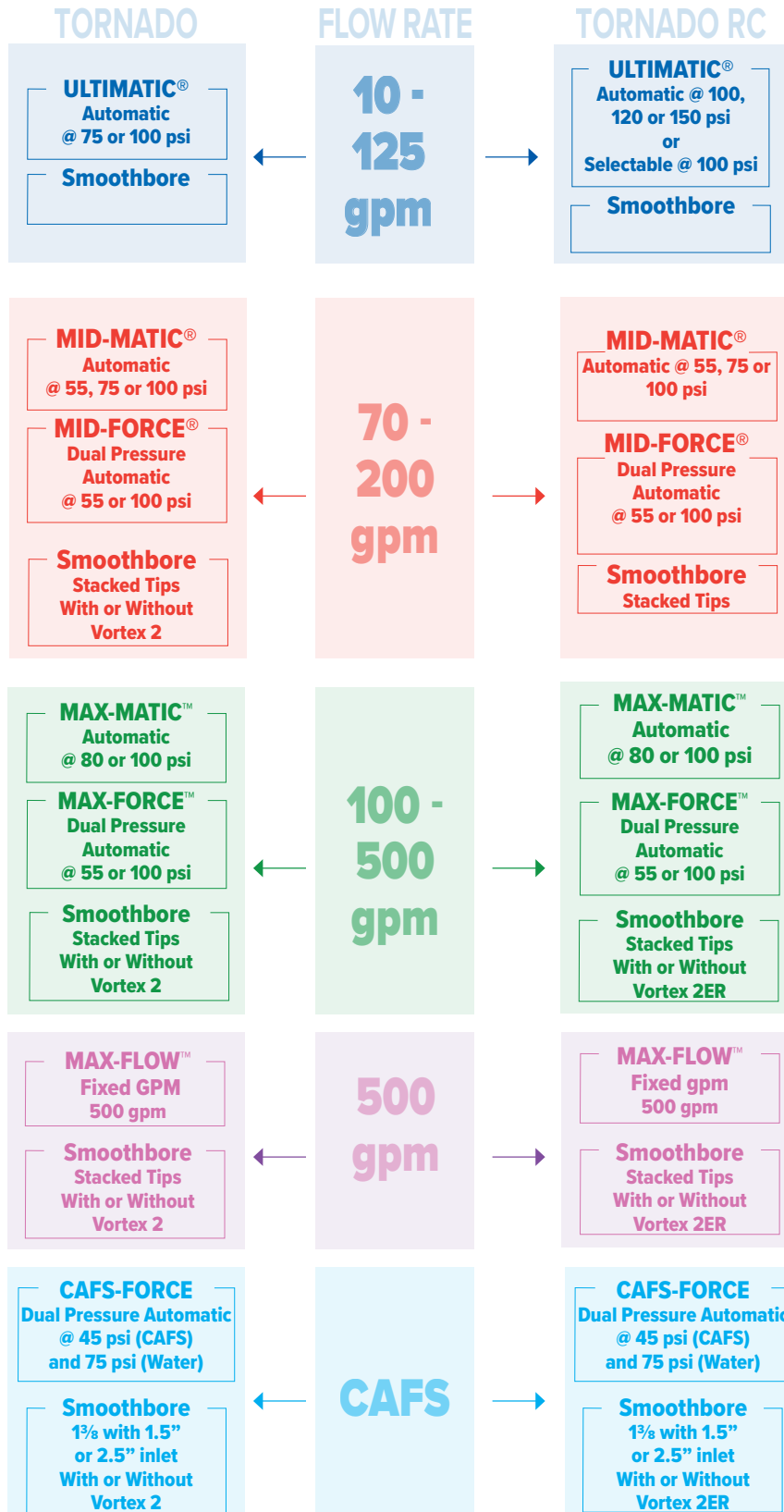
All products are designed, developed, and manufactured in the United States of America at our Valparaiso, Indiana world headquarters.

SPECIFICATIONS

Application	Industrial/Commercial
Certification	CE
Finish	Black Wrinkle
Horizontal Movement	340° total range (±170°)
Inlet	DN65 Table E Flange*
Max Flow	500 gpm (2,000 l/min)
Operating Voltage	12/24 VDC
Horizontal Oscillation	Yes
Outlet	1.5" (38 mm) NH Male*
Remote Control	Yes
Vertical Movement	135° total range (-45° to +90°)
Vertical Oscillation	Yes
Weight	27.1
Electronics Ingress Protection Rating (Control Box & Motors)	IP66 / IP67
Mechanical Ingress Protection Rating (Ball Races & Gears)	IP66 / IP67

* Other inlets and outlets available. Consult factory.

NOZZLE OPTIONS FOR THE TORNADO MONITOR



RC CONTROLLER OPTIONS

BLUETOOTH®



YE-BT1
Bluetooth® Adapter

Bluetooth



FREE BLUETOOTH® OPERATIONS APP
SEARCH: TASK FORCE TIPS OPS APP

PUMP PANEL



Panel Mount

HANDHELD W/30 FT TETHER

Tethered Monitor Operator Station



WIRELESS HANDHELD



Wireless Monitor Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with valve control. Available in a gateable or non-gateable version.



Heavy Duty Water Valve and Interface Box: gateable version or non-gateable version.

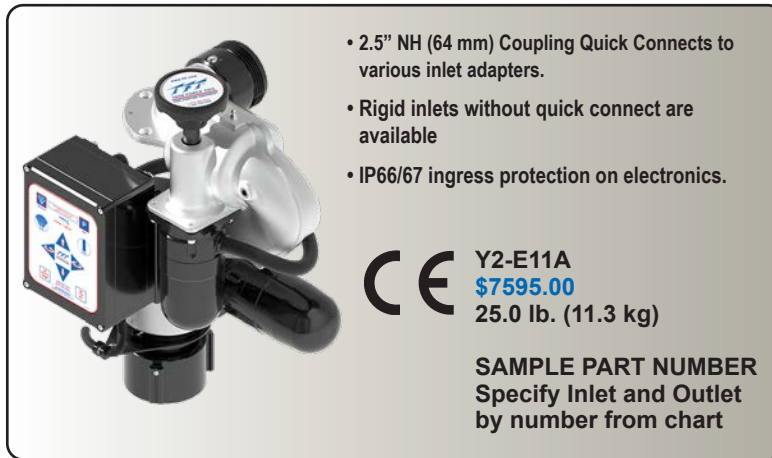
TORNADO® RC

Remote Control Monitor Up To 500 gpm (2000 l/min)

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 pages B61-B64 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

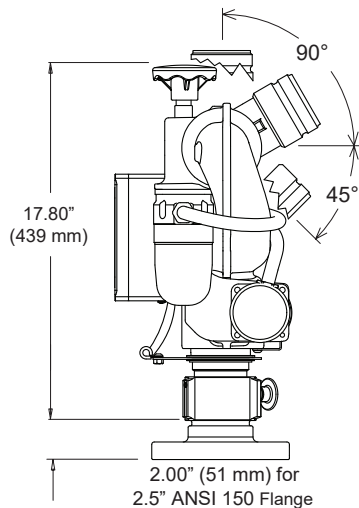
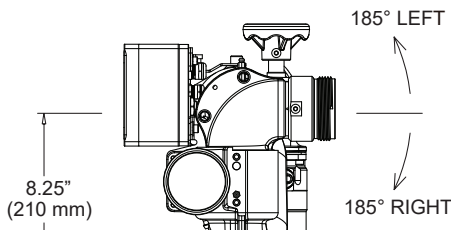
or reinstallation. Knobs for manual override are provided on the horizontal rotation and elevation drive. Electric drives and control box are waterproof. Main waterway made from hardcoat anodized ANSI 356-T6 aluminum. Silver powder coat finish inside and out. Various inlets are available. Locking quick 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 B62.

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..



See pages B4-B5, B8-B11 for ER nozzle choices

See Page B64 for LED Integrated Lighting Kit.



When ordering a Tornado RC monitor, choose one option from each category. Example: Y2-E61A is an electric monitor with 2.5" (64 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded exit. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist.

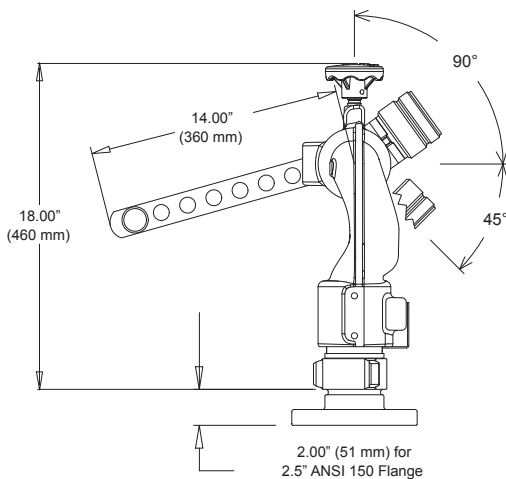
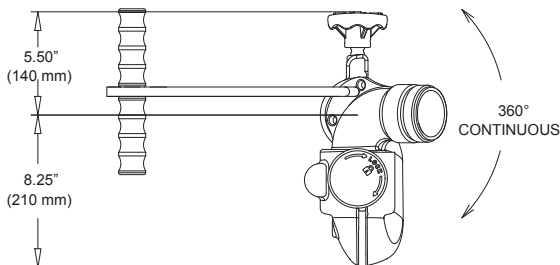
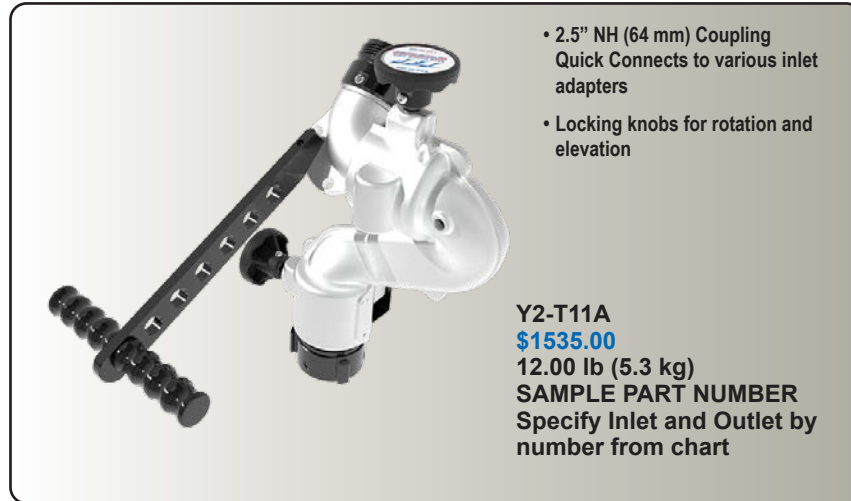
Y2-E

		A	
Inlet 1) 2.5"-7.5 NH (64 mm) Female § 2) 2.5"-11 BSPT (64 mm) Female 3) 2.0"-11 BSPT (51 mm) Female 5) DN80, PN16 Flange 6) 2.5" (64mm) ANSI 150 7) 2.5"-8 NPT (64 mm) Female 8) 2.0"-11.5 NPT (51 mm) Female 9) 3.0" -8 NPT (76 mm) Female 0) 3.0" (76mm) ANSI 150 Rigid + F) 2.5" ANSI 150 Rigid + H) 2.0"-11.5 NPTF (51 mm) Rigid + L) TFT Code-RLF* V) VUM Flange**+	Outlet 1) 2.5"-7.5 NH (64 mm) Male 2) 2.5"-11 BSP (64 mm) Male 3) 1.5"-11 BSP (38 mm) Male 4) 1.5"-9 NH (38 mm) Male 8) Special 1.5" (38 mm) 9) Special 2.5" (64 mm) *Code-RLF fits Extend-A-Gun RC3 § No inlet adapter ** Fits VUM, IVUM, HUM and OUM + No quick connect		Optional -Z) Industrial Model with American Red powdered coat (omit for standard silver models)

Tiller Bar Monitor Up To 500 gpm (2000 l/min)

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.



When ordering a Tornado monitor, choose one option from each category. Example: Y2-T61A is an tiller monitor with 2.5" (64 mm) ANSI 150 inlet and 2.5" NH (64 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

Y2-T

Inlet	Outlet
1) 2.5"-7.5 NH (64 mm) Female §	1) 2.5"-7.5 NH (64 mm) Male
2) 2.5"-11 BSPT (64 mm) Female	2) 2.5"-11 BSP (64 mm) Male
3) 2.0"-11 BSPT (51 mm) Female	3) 1.5"-11 BSP (38 mm) Male
5) DN80, PN16 Flange	4) 1.5"-9 NH (38 mm) Male
6) 2.5" (64 mm) ANSI 150	8) Special 1.5" (38 mm)
7) 2.5"-8 NPT (64 mm) Female	9) Special 2.5" (64 mm)
8) 2.0"-11.5 NPT (51 mm) Female	
9) 3.0" -8 NPT (76 mm) Female	*Code-RLF fits
0) 3.0" (76 mm) ANSI 150	Extend-A-Gun RC3
L) TFT Code-RLF*	§ No inlet adapter
V) VUM Flange**+	** Fits VUM, IVUM, HUM and OUM
	+ No quick connect

A

NOZZLE OPTIONS FOR THE HURRICANE MONITOR

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-BT1
Bluetooth®
Adapter



FREE BLUETOOTH® OPERATIONS APP
SEARCH: TASK FORCE TIPS OPS APP

PUMP PANEL



Panel Mount

HANDHELD W/30 FT TETHER

Tethered Monitor
Operator Station



WIRELESS HANDHELD



Wireless Monitor
Operator Station

YE-RF-RAD-9 Radio
Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with
valve control. Available in a gateable or
non-gateable version



Heavy Duty
Water Valve and
Interface Box:
gateable version
or non-gateable version

HURRICANE

MASTER STREAM 1000

Automatic, Selectable,
Fixed @ 100 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2

FLOW RATE

**150 -
1000
gpm**

HURRICANE RC

MASTER STREAM 1000

Automatic, Selectable,
FIXED @ 100 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2ER

MASTER STREAM 1250

Automatic @ 100 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2

**150 -
1250
gpm**

MASTER STREAM 1250

Automatic @ 100 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2ER

MASTER STREAM 1000 w/FLUSH

Automatic
@ 80 to 120 psi
or
Selectable
@ 100 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2

**300 -
1000
gpm**

MASTER STREAM 1000 w/FLUSH

Automatic
@ 80 to 120 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2ER

MASTER STREAM 1250 w/FLUSH

Automatic
@ 80 to 120 psi
or
Selectable or Fixed
@ 100 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2

**300 -
1250
gpm**

MASTER STREAM 1250 w/FLUSH

Automatic
@ 80 to 120 psi
or
Fixed @ 100 psi

Smoothbore
Stacked Tips
With or Without
Vortex 2ER

Smoothbore
Stacked Tips
With or Without
Vortex 2

CAFS

Smoothbore
Stacked Tips
With or Without
Vortex 2ER

Fixed Station Monitor Up To 1250 gpm (4750 l/min)

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 (4750 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 0.25" NPT (6 mm) 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.

To Replace polymer handwheel controls with optional aluminum crank "Z" is added to the end of the model number.

- 3" ANSI (76 mm) 150 flange inlet
- 2.5" NH (64 mm) outlet



FM
APPROVED

XFI-FLNJ
\$1925.00
19.60 lb (8.90 kg)

- 4" ANSI (102 mm) 150 flange inlet
- 2.5" NH (64 mm) outlet
- Galvanic isolation sleeve included



FM
APPROVED

XFI-FPNJ
\$1925.00
22.20 lb (10.10 kg)

- 3" (76 mm) female NPT inlet
- 2.5" NH (64 mm) outlet



FM
APPROVED

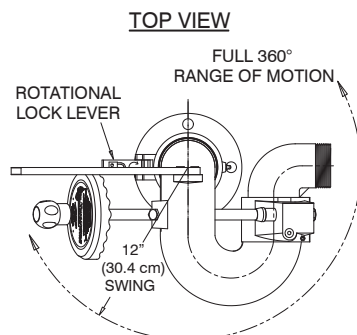
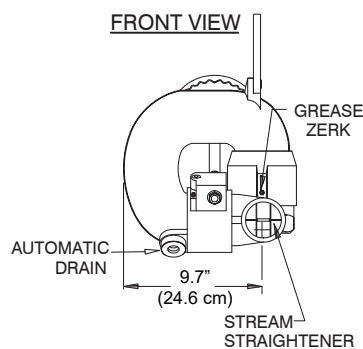
XFI-PLNJ
\$1925.00
18.20 lb (8.30 kg)

- 3" ANSI (76 mm) 150 flange inlet
- 4 bolts
- 2.5" NH (64 mm) outlet
- Galvanic isolation sleeve included



FM
APPROVED

XFIE-FLNJ
3" Flange Extended
\$1925.00
21.00 lb (9.50 kg)



- 4" ANSI (102 mm) 150 flange inlet
- 2.5" NH (64 mm) outlet
- Galvanic isolation sleeve included



FM
APPROVED

XFIE-FPNJ
4" Flange Extended
\$1925.00
22.60 lb (10.30 kg)


HURRICANE™

Hurricane Manually Controlled Monitor 1250 gpm (4750 l/min)

The TFT 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" (83 mm) waterway will deliver up to 1250 gpm (4750 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 0.25" NPT (6 mm) is provided for a pressure gauge. 2.5" male NH (64 mm) outlet threads are standard. 2.5" male BSP (64 mm) threads available on request. The Hurricane is made from hard anodized 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.



- Handwheels for both axis
- Low profile, high flow design

XFIH-DP1A
\$1925.00
 31.8 lb (14.4 kg)

SAMPLE PART NUMBER
 Specify Inlet and Outlet by number from chart .



- Handwheel for elevation
- Tiller bar for rotation
- Rotation locking knob

XFIH-TP1A
\$1925.00
 31.8 lb (14.4 kg)

SAMPLE PART NUMBER
 Specify Inlet and Outlet by number from chart .



When ordering a Hurricane Dual Handwheel or Tiller monitor, choose one option from each category. Example: Model XFIH-D11A is a dual handwheel monitor with 3" (76 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist.

Conversions

- 2.5" (64 mm)
- 3.0" (76 mm)
- 4" (102 mm)
- 4.5" (114 mm)

XFIH-			A
	D) Dual	T) Tiller	
	Inlet	Outlet	Optional
	1) 3" ANSI 150	1) 2.5" - 7.5 NH Male	-Z) Industrial
	2) 4" ANSI 150	2) 2.5" - 11 BSP Male	Model with
	4) DN80, PN16	9) Special	American Red
	5) DN100, PN16		powdered coat
	6) 3" NPT Female		and aluminum
	7) 4" NPT Female		crank handles
	8) 3" BSP Male		(omit for standard
	9) 4" BSP Male		silver models)
	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***		

* 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 (4750 l/min)

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 (4750 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 B61-B64 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 B62.

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.



Conversions

2.5" (64 mm)
3.0" (76 mm)
4" (102 mm)
4.5" (114 mm)

See pages B61-B64 for control options.
See pages B4-B20 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" (76 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to an RC monitor specialist.

XFIH-E

		A	
Inlet		Outlet	Optional
1) 3" ANSI 150	L) TFT CODE-RLF*	1) 2.5" - 7.5 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) 2.5" - 11 BSP Male	
4) DN80, PN16	P) TFT CODE-RPF Extend-A-Gun RC4	9) Special	
5) DN100, PN16	Q) 4.5" NH Quick Connect for VUM +		
6) 3" NPT Female	R) 4.5" NH Quick Connect with 4" ANSI 150 +		
7) 4" NPT Female	S) 4.5" NH 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

+ Horizontal Axis Travel Limited to 135° left/right

NOZZLE OPTIONS FOR THE TYPHOON MONITOR

TYPHOON

FLOW RATE

TYPHOON RC



MASTER STREAM 1250
Automatic
70-120 psi

Smoothbore Stacked Tips
With or Without
Vortex 2

300 - 1250 gpm

MASTER STREAM 1250
Automatic
70-120 psi

Smoothbore Stacked Tips
With or Without
Vortex 2ER



MASTER STREAM 1500
Automatic
70-120 psi

Smoothbore Stacked Tips
With or Without
Vortex 3

300 - 1500 gpm

MASTER STREAM 1500
Automatic
70-120 psi

Smoothbore Stacked Tips
With or Without
Vortex 3ER



Smoothbore Stacked Tips
With or Without
Vortex 2 or 3

CAFS

Smoothbore Stacked Tips
With or Without
Vortex 2ER or 3ER

RC CONTROLLER OPTIONS

BLUETOOTH®



YE-BT1
Bluetooth®
Adapter

Bluetooth

GET IT ON
Google Play

Download on the
App Store

FREE BLUETOOTH® OPERATIONS APP
SEARCH: TASK FORCE TIPS OPS APP

PUMP PANEL



Panel Mount
Monitor Operator
Station

HANDHELD W/30 FT TETHER



Tethered Monitor Operator Station

WIRELESS HANDHELD



Wireless Monitor Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with
valve control

Manually Controlled Monitor - 1500 gpm (6000 l/min)

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.

- Handwheels for both axis



Y5-D11A
\$3735.00
22.0 lb (10.0 kg)



- Handwheel for elevation
- Tiller bar for rotation
- Rotation locking knob



Y5-M11A
\$3615.00
23.0 lb (10.4 kg)



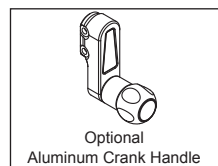
- Tiller bar with locks on both axis



Y5-T11A
\$3615.00
23.0 lb (10.4 kg)



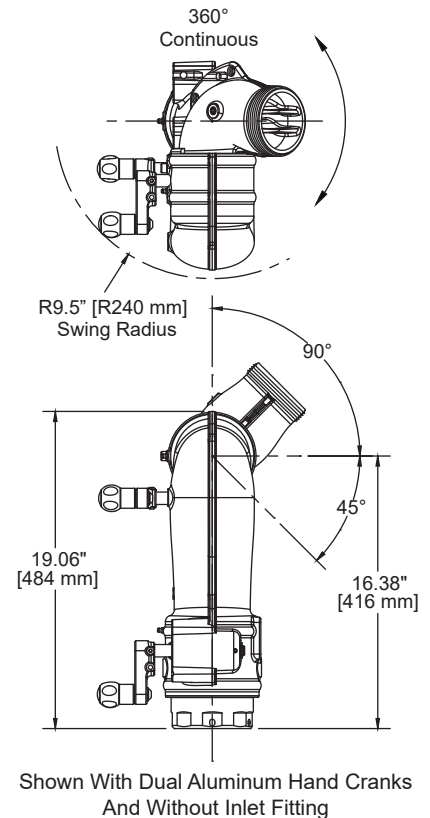
SAMPLE PART NUMBERS - Specify Inlet and Outlet by number from chart .



Optional
Aluminum Crank Handle

Conversions
3.0" (76 mm)
3.5" (89 mm)
4.0" (102 mm)
4.5" (114 mm)
6.0" (152 mm)

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" (102 mm) ANSI 150 flange inlet and 3.5" NH (89 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.



Shown With Dual Aluminum Hand Cranks
And Without Inlet Fitting

Y5-

Actuation	Inlet	Outlet
D) Dual Handwheel	1) 3" ANSI 150	L) TFT CODE-RLF*
M) Elevation Handwheel	2) 4" ANSI 150	P) TFT CODE-RPF**
Horizontal Tiller	3) 6" ANSI 150	Q) 4.5" NH Quick Connect for VUM
T) Tiller Both Axis	4) DN80, PN16	R) 4.5" NH Quick Connect with 4" ANSI 150
	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	W) Swivel Base for Booster OSC
	9) 4" BSP Male	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

A

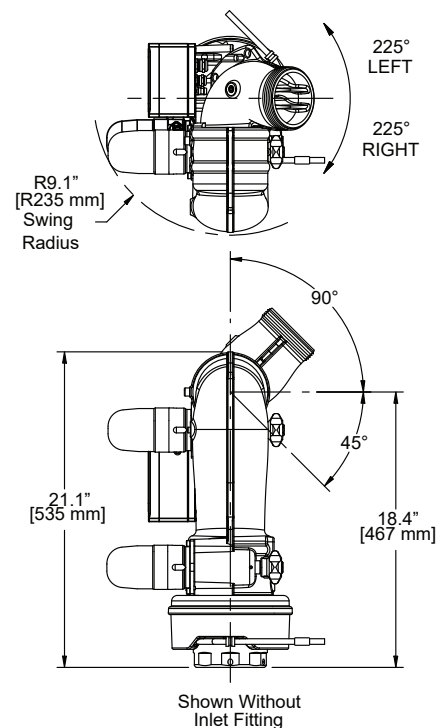
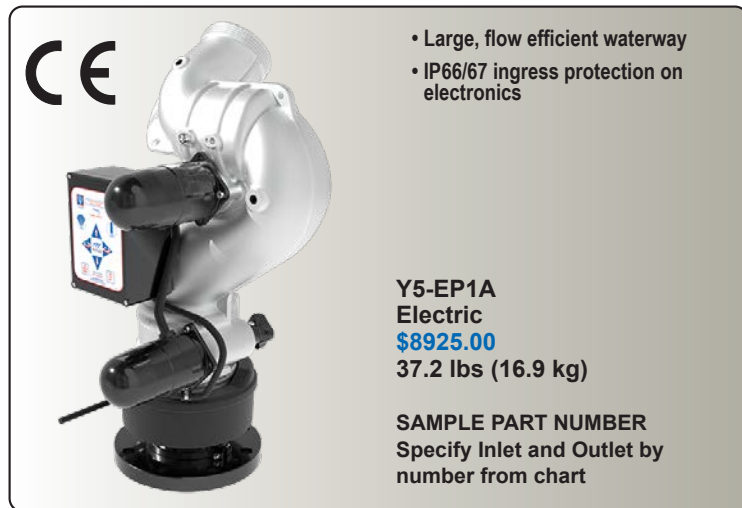
Optional
-Z) Industrial Model with American Red powder coat and aluminum crank handles (omit for standard silver models)

TYPHOON™ RC**Remote Controlled Monitor 1500 gpm (6000 l/min) 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 B61-B64 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 B62.

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.



See page B4-B24 for nozzle choices.
See page B64 for LED Integrated Lighting Kit

Conversions

3.0" (76 mm)
3.5" (89 mm)
4.0" (102 mm)
4.5" (114 mm)
6.0" (152 mm)

When ordering a Typhoon monitor, choose one option from each category below. For example Model Y5-E21A is an electric aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 3.5" NH (89 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

Y5-

Actuation E) Electric	Inlet	Outlet
	1) 3" ANSI 150	1) 3.5"-6 NH Male
	2) 4" ANSI 150	2) 3.5"-11 BSP Male
	3) 6" ANSI 150	3) 3.5"-8 NPSH Male
	4) DN80, PN16	4) 4.0"-11 BSP Male
	5) DN100, PN16	9) Special
	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 +	

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3

** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

+ Horizontal Axis Travel Limited to 135° left/right

A

Optional -Z) Industrial Model with American Red powder coat (omit for standard silver models)
--

TYPHOON™ RC

Remote Controlled Monitor - 1500 gpm (6000 l/min) 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 B61-B64 for additional control stations. For wireless operation, purchase wireless operator station package on page B62.

Ladder/platform electronics enclosures includes inputs for DEPLOY monitor, INHIBIT monitor, and LIMIT VERTICAL movement on -Lxx models with extra travel.

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.



- Large, flow efficient waterway
- Additional upward travel options
- IP66/67 ingress protection on electronics

Y5-E21A-L
\$8925.00
37.20 lbs (16.90 kg).

C E

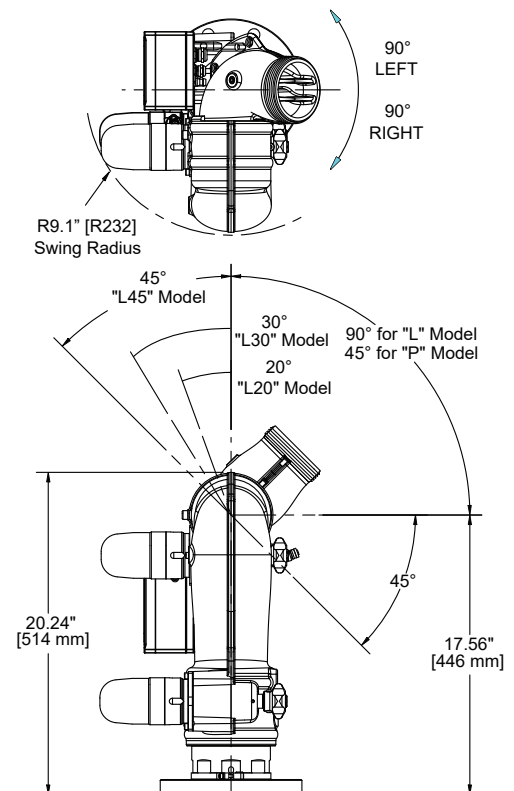
SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart

Conversions

- 3.0" (76 mm)
- 3.5" (89 mm)
- 4.0" (102 mm)
- 4.5" (114 mm)
- 6.0" (152 mm)



Includes Multipoint
Aerial/ Interface



Inlet Options A & B increase operating clearance by offsetting the monitor inlet forward by 1.5" (38 mm).

Y5-E

<p>Inlet</p> <p>A) 1.5" Offset for VUM B) 1.5" Offset with 4" ANSI 150 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</p> <p>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** X) TFT CODE RRM fits 4" IVUM and HUM</p>	<p>Outlet</p> <p>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</p>	<p>A</p> <p>Configuration</p> <p>-L) Ladder -P) Platform -L20) Ladder w/20° Extra Elevation -L30) Ladder w/30° Extra Elevation -L45) Ladder w/45° Extra Elevation</p>
---	--	--

* TFT CODE-RLF fits Extend-A-Gun and Extend-A-Gun RC3

** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

MONSOON® 1250

1250 gpm (4750 l/min)

NOZZLE OPTIONS FOR THE MONSOON 1250 MONITOR



RC CONTROLLER OPTIONS

BLUETOOTH®



YE-BT1
Bluetooth® Adapter



FREE BLUETOOTH® OPERATIONS APP
SEARCH: TASK FORCE TIPS OPS APP

PUMP PANEL



Panel Mount
Monitor Operator Station

HANDHELD W/30 FT TETHER

Tethered Monitor
Operator Station



WIRELESS HANDHELD



Wireless Monitor
Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB



Joystick Monitor Operator Station with valve control. Available in a gateable or non-gateable version



Heavy Duty Water Valve and Interface Box:
gateable version or non-gateable version

MONSOON® 1250

Mannually Controlled Monitor - 1250 gpm (4750 l/min)

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 (0.4 bar) friction loss at 1250 gpm (4750 l/min). 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° above horizontal to 45° below. Field changeable elevation travel stops at 45° above, 30° above, and 30° 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 below for model numbers. Main waterway made from hardcoat anodized 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.

- Flow efficient waterway
- Handwheel for elevation
- Crank handle for rotation

Y4-M15A
\$3080.00
25.0 lb (11.3 kg)



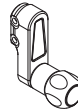
SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart

- Handwheel for elevation
- Tiller bar for rotation
- Rotation locking knob

Y4-T15A
\$3080.00
26.0 lb (11.8 kg)



SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart



Optional
Aluminum Crank Handle

Conversions

2.5" (64 mm) 3.0" (76 mm)
3.5" (89 mm) 4.0" (102 mm)
4.5" (114 mm) 6.0" (152 mm)

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-M25A is a manual aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 2.5" NH (64mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

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 8) SPECIAL	Optional -Z) Industrial Model with American Red powder 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

MONSOON® RC 1250**Remote Controlled Monitor - 1250 gpm (4750 l/min) Designed for Pumper Applications**

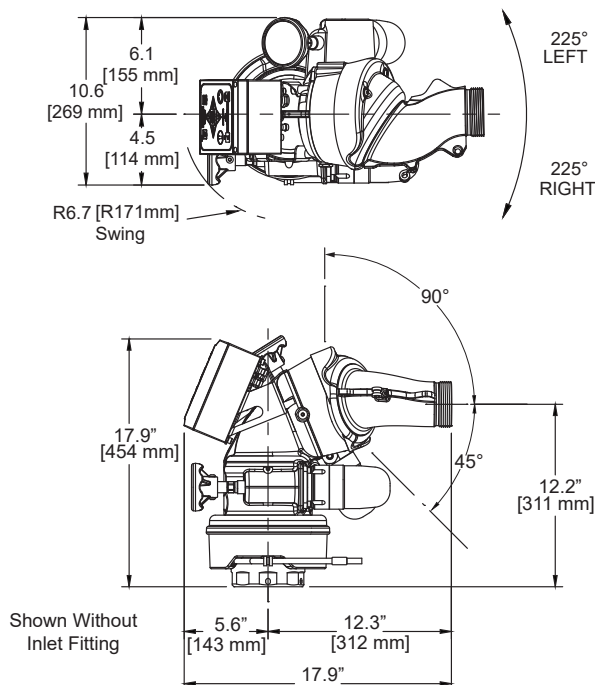
The Monsoon RC for pumper installations is an electric remote controlled monitor that has all the benefits of the Monsoon monitor with the addition of powered operation. It has a greater horizontal sweep angle than the RC model for Ladder or Platform installations. Designed for 12 VDC or 24 VDC operation, 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 B61-B64 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' (10 m) 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 plug into the factory installed nozzle power wire. Electric drives and control box are waterproof and have a IP66/IP67 rating. Main waterway made from hardcoat anodized 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 B62.

All TFT RC monitors are capable of being controlled by multiplex CANbus system or a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.



SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart

**Conversions**

2.5" (64 mm)	3.0" (76 mm)
3.5" (89 mm)	4.0" (102 mm)
4.5" (114 mm)	6.0" (152mm)

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4E-25A is an electric aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 2.5" NH (64 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

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 8) SPECIAL		Optional -Z) Industrial Model with American Red powder 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

+ Horizontal Axis Travel Limited to 135° left/right

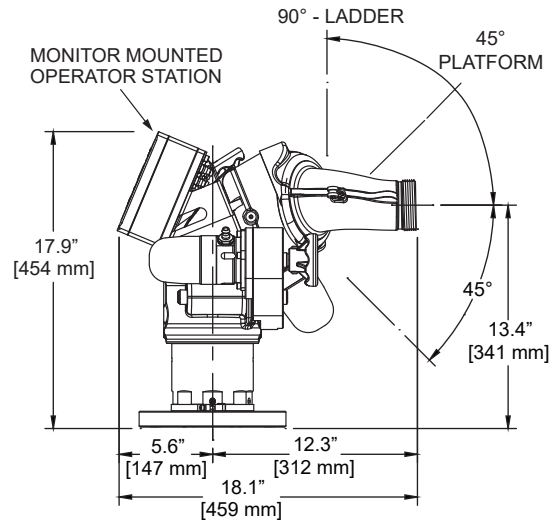
MONSOON® RC 1250

Remote Controlled High Clearance - 1250 gpm (4750 l/min) 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° (90° either side of a center position). Ladder and Platform models include an electronics enclosure and 10' (3 m) 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' (3 m) 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 page B61-B64 for additional control stations. For wireless operation, purchase wireless operator station and radio/ antenna on page B62.

Ladder/platform electronics enclosure includes inputs for DEPLOY monitor and INHIBIT monitor.



Includes Multipoint Aerial/ Interface

SAMPLE PART NUMBER
Specify Inlet and Outlet
by number from chart

Conversions

2.5" (64 mm)	3.0" (76 mm)
3.5" (89 mm)	4.0" (102 mm)
4.5" (114 mm)	6.0" (152 mm)

Example: Y4-E25A-L is an electric aluminum monitor for ladders with a 4" (102 mm) ANSI 150 flange inlet and 2.5 (64 mm) NH male threaded outlet.

Inlet Options A & B increase operating clearance by offsetting the monitor inlet forward by 1.5" (38 mm).

Y4-E		A	
Inlet		Outlet	Configuration
1) 3" ANSI 150	A) 1.5" Offset for VUM	5) 2.5" NHM	-L) Ladder
2) 4" ANSI 150	B) 1.5" Offset for 4" ANSI 150	6) 2.5" BSPM	-P) Platform
3) 6" ANSI 150	L) TFT CODE-RLF*	7) 2.5" NPSHM	
4) DN80, PN16	P) TFT CODE-RPF**	8) SPECIAL	
5) DN100, PN16	Q) 4.5" NH Quick Connect for VUM		
6) 3" NPT Female	R) 4.5" NH Quick Connect with 4" ANSI 150		
7) 4" NPT Female	S) 4.5" NH 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 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

MONSOON® 2000

2000 gpm (7600 l/min)

**NOZZLE OPTIONS FOR
THE MONSOON 2000
MONITOR**

MONSOON 2000

FLOW RATE

MONSOON 2000 RC



**MASTER STREAM
2000**
Automatic
@ 80-120 psi

Smoothbore
Stacked Tips
With or Without
Vortex 3

**300 -
2000
gpm**

**MASTER STREAM
2000 RC**
Automatic
@ 80-120 psi

Smoothbore
Stacked Tips
With or Without
Vortex 3ER



Smoothbore
Stacked Tips
With or Without
Vortex 3

**750 -
1850
gpm**

Smoothbore
Stacked Tips
With or Without
Vortex 3ER



Smoothbore
Stacked Tips with or
without Vortex 3

CAFS

Smoothbore
Stacked Tips with or
without Vortex 3ER

RC CONTROLLER
OPTIONS**BLUETOOTH®**

**YE-BT1
Bluetooth®
Adapter**

Bluetooth

GET IT ON
Google Play

Download on the
App Store

FREE BLUETOOTH® OPERATIONS APP
SEARCH: TASK FORCE TIPS OPS APP

PUMP PANEL

**Panel Mount
Monitor Operator
Station**

HANDHELD W/30 FT TETHER

Tethered Monitor Operator Station

WIRELESS HANDHELD

Wireless Monitor Operator Station

YE-RF-RAD-9 Radio Antenna

JOYSTICK IN THE CAB

**Joystick Monitor Operator Station
with valve control**

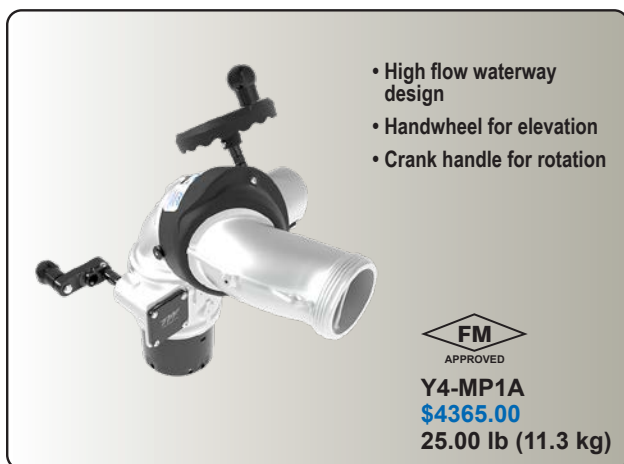
MONSOON® 2000

Manually Controlled Monitor - 2000 gpm (7600 l/min)

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.



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



SAMPLE PART NUMBER
Specify Inlet and Outlet by number from chart



Conversions

3.0" (76 mm) 3.5" (89 mm)
4.0" (102 mm) 4.5" (114 mm)
6.0" (152 mm)

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-M21A is a manual aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 3.5" NH (89 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

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 powder 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

MONSOON® RC 2000

Remote Controlled Deck Monitor - 2000 gpm (7600 l/min) Designed for Pumper Applications

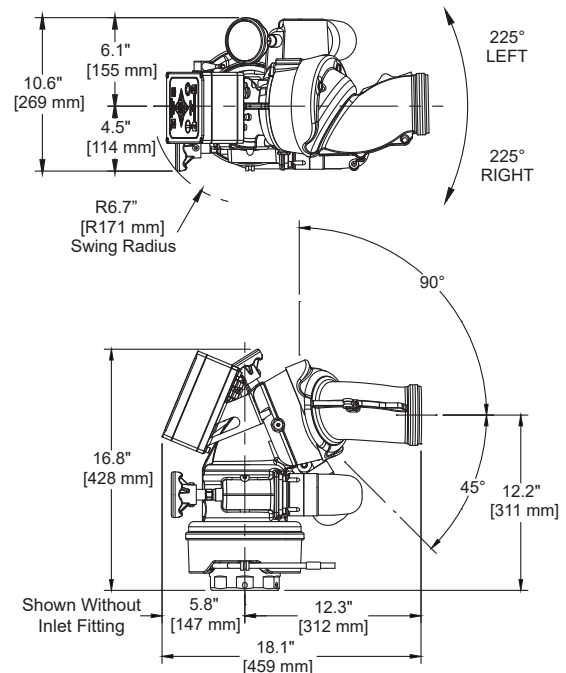
The Monsoon RC for pumper installations is an electric remote controlled monitor that has all the benefits of the Monsoon monitor with the addition of powered operation. It has a greater horizontal sweep angle than the RC model for Ladder or Platform installations. Designed for 12 VDC or 24 VDC operation, 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 B61-B64 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 plug 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 B62.

All TFT RC monitors are capable of being controlled by multiplex CANbus system or a programmable logic controller with full three-axis position control & feedback using the Allen Bradley EtherNet/IP protocol. Contact factory for details.



SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart



Conversions

3.0" (76 mm) 3.5" (89 mm)
4.0" (102 mm) 4.5" (114 mm)
6.0" (152 mm)

When ordering a Monsoon monitor, choose one option from each category below. For example Model Y4-E21A is a manual aluminum monitor with 4" (102 mm) ANSI 150 flange inlet and 3.5" NH (89 mm) male threaded outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

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 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 powder 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

+ Horizontal Axis Travel Limited to 135° left/right

MONSOON® RC 2000

Remote Controlled High Clearance - 2000 gpm (7600 l/min) 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. For wireless operation, purchase wireless operator station package on page B62.

Ladder/platform electronics enclosures includes inputs for DEPLOY monitor, INHIBIT monitor



SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart

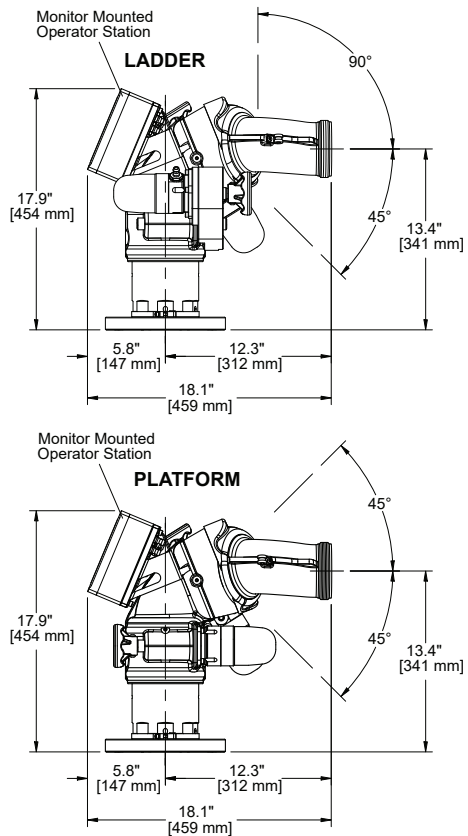


Includes Multipoint
Aerial/ Interface

Conversions

3.0" (76 mm) 3.5" (89 mm)
4.0" (102 mm) 4.5" (114 mm)
6.0" (152 mm)

Example: Y4-E21A-L is an electric aluminum monitor for ladders with a 4" (102 mm) ANSI 150 flange inlet and 3.5 NH (89mm) male threaded outlet.



Y4-E

Inlet		Outlet
1) 3" ANSI 150	L) TFT CODE-RLF*	1) 3.5"-6 NH Male
2) 4" ANSI 150	P) TFT CODE-RPF**	2) 3.5"-11 BSP Male
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 RC3

** TFT CODE-RPF fits Extend-A-Gun RC4, VUM and HUM

A

Configuration
-L) Ladder
-P) Platform

THREE BIG WATER NOZZLE OPTIONS!



MASTER STREAM 4000 ER

- Available in Automatic or Selectable
- Automatic: Adjustable Pressure with flow range of 600 to 4,000 GPM (1,500 to 16,000 l/min)
- Selectable: 2,000, 3,000 and 4,000 GPM (7,500, 11,000, and 15,000 l/min) at 100 psi (7 bar)
- Available with either the Tsunami quick connect or 6" (152 mm) ANSI 150 flange inlet
- Electric Remote nozzle that easily adjusts from straight stream to a dense fog pattern



VORTEX VERSATILITY

- Add to stacked tips for the ability to go from Straight Stream to Dispersed pattern with no loss to stream flow !
- Available in Electric Remote with Manual Override

STACKED TIPS



Smoothbore SIZE: 3.5" (89 mm)
FLOW RATE: 3260 gpm (12,340 l/min)
NOZZLE PRESSURE: 80 psi (6 bar)
Industry Standard for
Master Stream Stacked Tips



Smoothbore SIZE: 4.5" (114 mm)
FLOW RATE: 5380 gpm (20,360 l/min)
NOZZLE PRESSURE: 80 psi (6 bar)
Industry Standard for
Master Stream Stacked Tips



Smoothbore SIZE: 4" (102 mm)
FLOW RATE: 4250 gpm (16,090 l/min)
NOZZLE PRESSURE: 80 psi (6 bar)
Industry Standard for
Master Stream Stacked Tips



Smoothbore SIZE: 5.125" (130 mm)
FLOW RATE: 6980 gpm (26,420 l/min)
NOZZLE PRESSURE: 80 psi (6 bar)
Industry Standard for
Master Stream Stacked Tips

TSUNAMI™ RC

The TSUNAMI is TFT's largest

highest volume industrial monitor for fixed, trailer, or apparatus use. The monitor offers 600 to 8,000 gpm (2,300 to 30,000 l/min) flows in manual and RC versions.



Manual Monitor - Up To 8,000 gpm (30,000 l/min)

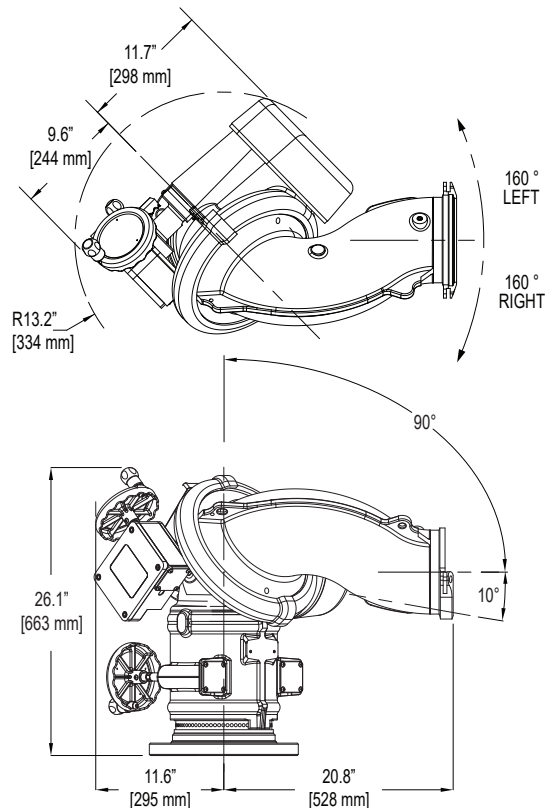
The Tsunami monitor is capable of flowing 8,000 gpm (30,000 l/min). Waterway with turning vane has only 15 psi (1 bar) friction loss at 8,000 gpm (30,000 l/min). Elevation range is 90° above horizontal to 10° below. Field changeable elevation travel stops. Horizontal travel is 320° (160° either side 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 aluminum. Silver powder coat finish inside and out.



- 8" ANSI (203 mm) 150 flange inlet
- Quick connect outlet
- Handwheels for both axis

Y8-M11A
\$47,390.00
138.0 lb (62.6 kg)

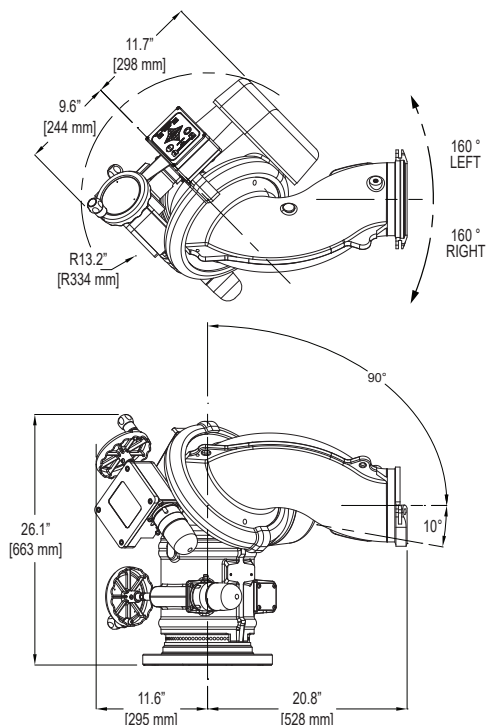


TSUNAMI™ RC

Remote Controlled Monitor - Up To 8,000 gpm (30,000 l/min)

The Tsunami RC is an electric remote controlled monitor capable of flowing 8,000 gpm (30,000 l/min). Waterway with turning vane has only 15 psi (1 bar) friction loss at 8,000 gpm (30,000 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 and have a IP66/IP67 rating.. Main waterway made from hardcoat anodized aluminum. Silver powder coat finish inside and out. For wireless operation, purchase wireless operator station and radio/ antenna on page B62.



TSUNAMI™ STACKED TIPS

Designed for monitor use up to 8,000 gpm (30,000 l/min), these stacked tips are hardcoat anodized, allow four orifice options, have a built in stream straightener and pressure/flow charts labeled on

each tip. Orifice openings are 5.125", 4.5", 4.0", and 3.5". (130 mm, 114 mm, 102 mm and 89 mm). Quick connect inlet coupling for Tsunami monitor is standard.



- Quick connect inlet
- Removable straight section for Vortex 6ER installation

YST-8NX

\$3915.00

37.0 lb (16.8 kg)

VORTEX® 6ER

Designed for monitor use up to 8,000 gpm (30,000 l/min), it is intended for installation behind the Tsunami smoothbore nozzles for use with water or fire fighting foam solutions. Six short vanes in the bore of the Vortex reduce turbulence in straight stream. Actuating 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, 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. Manual override included.



- 6" NHF (152 mm) inlet
- 6" NHM (152 mm) outlet
- Replaces straight section of YST-8NX stacked tips

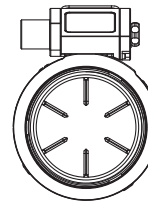
SVXE

\$7625.00

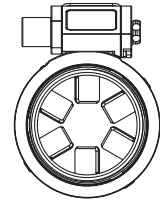
19.90 lbs (9.0 kg)

11.00" Long (27.9 cm)

VORTEX Vane Positions



Straight Stream



Dispersed Pattern

MASTER STREAM 4000 ER



56.3 lbs (25.5 kg)
19.0" (49.2 cm) Length
13.0" (33.0 cm) Width
10.0" (25.4 cm) Height

The Master Stream 4000 ER series is a super-high volume nozzle capable of flowing up to 4,000 gpm (15,000 l/min). The automatic version flows 600-4,000 gpm (2,300-15,000 l/min) and incorporates field adjustable nozzle pressure regulation capable of constant nozzle pressures from 80-120 psi (5.5-8.3 bar).

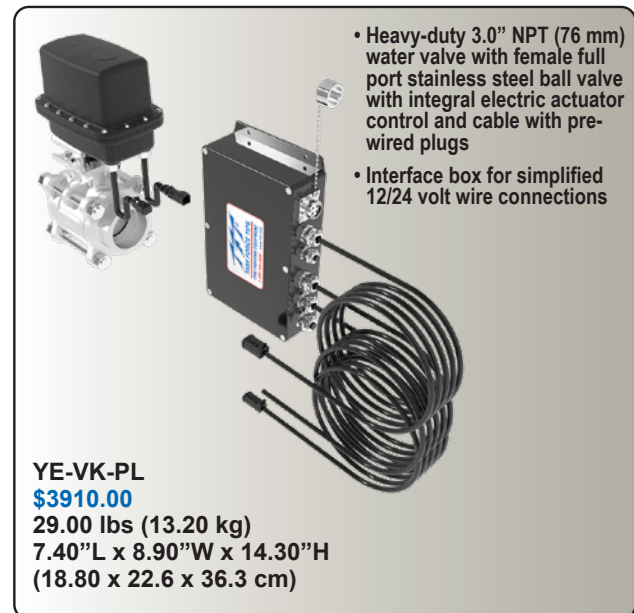
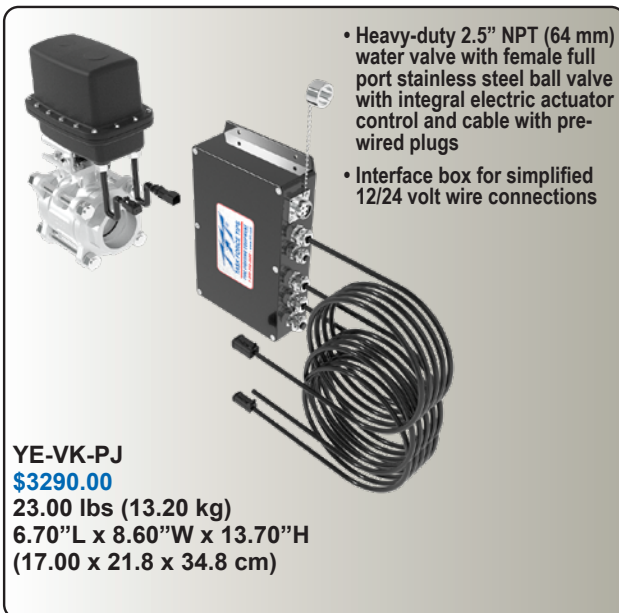
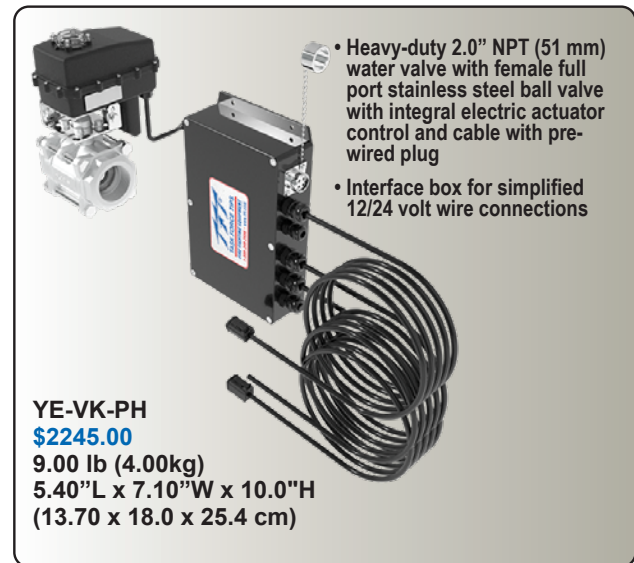
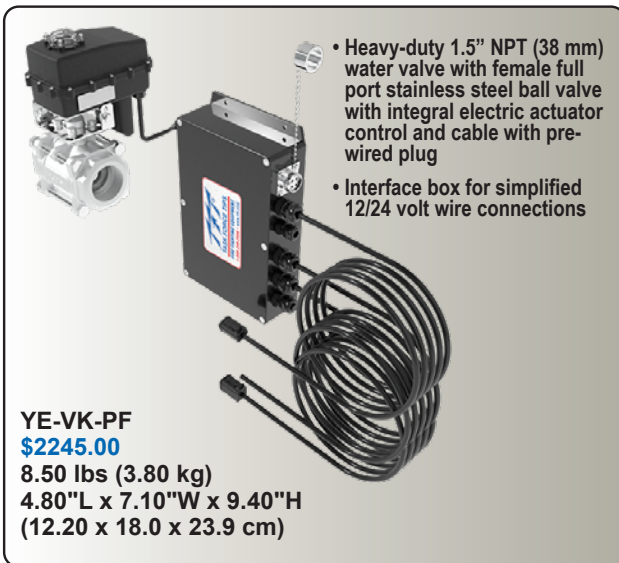
The Selectable version has flow settings of 2,000, 3,000, and 4,000 gpm (7,500, 11,000 and 15,000 l/min) at 100 psi (7 bar). Continuously variable pattern from straight stream to wide fog. Fog and straight stream adjustments are smooth and are controlled from the TFT monitor controller. Hardcoat anodized aluminum for maximum resistance to corrosion and wear. Quick connect coupling for Tsunami monitor and 6" (152 mm) ANSI flange inlet options available.

MODEL	ATTACHMENT	FLOW	PRESSURE	OPERATING SYSTEM	LIST PRICE
MT-A4ERP-QC	TSUNAMI QC	600-4000 gpm (2300-15000 l/min)	80-120 psi (5.5-8.3 bar)	AUTOMATIC	\$10,150.00
MT-A4ERP-FX	6" ANSI 150 FLG	600-4000 gpm (2300-15000 l/min)	80-120 psi (5.5-8.3 bar)	AUTOMATIC	\$10,150.00
MT-S3ERP-QC	TSUNAMI QC	2000/3000/4000 gpm (7500/11000/15000 l/min)	100 psi (7 bar)	SELECTABLE	\$10,150.00
MT-S3ERP-FX	6" ANSI 150 FLG	2000/3000/4000 gpm (7500/11000/15000 l/min)	100 psi (7 bar)	SELECTABLE	\$10,150.00

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' (6 m) cables with receptacles for monitor and water valve plug connections, a 15' (4.5 m) 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.



Valve Interface Control Box

Weight 7.0 lb (3.1kg)

Overall Dimensions:

8.80"L x 5.80"W x 2.20"H

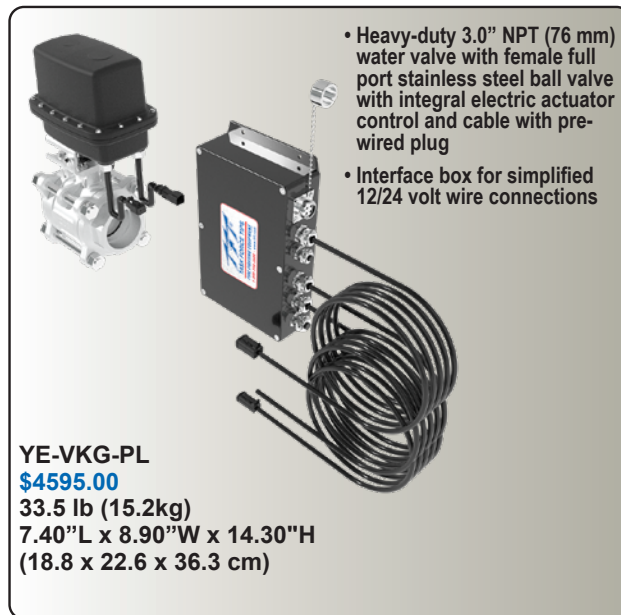
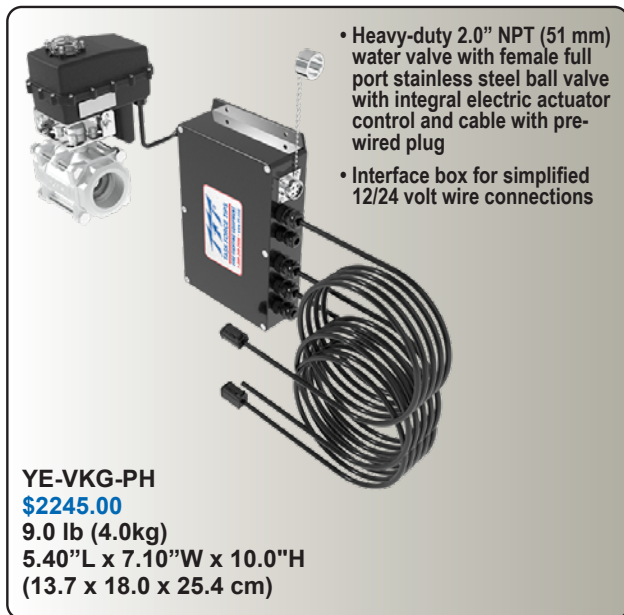
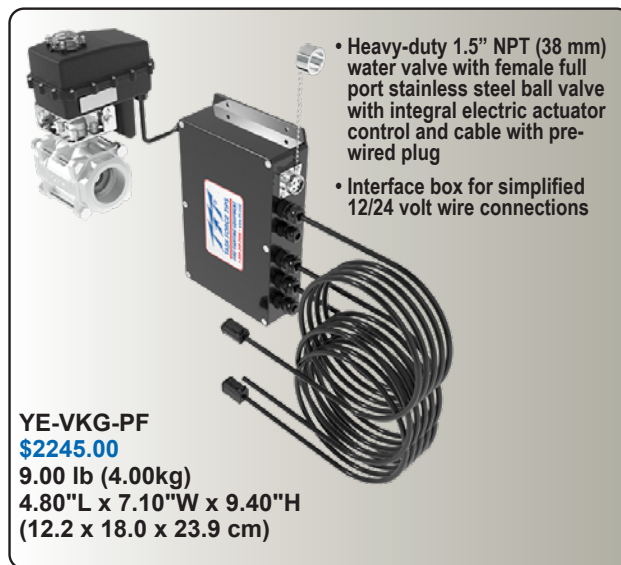
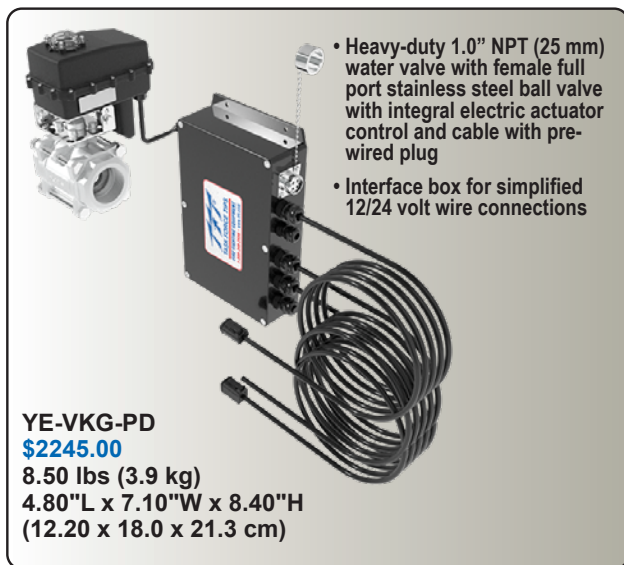
(22.4 x 14.7 x 5.6 cm)

(Additional clearance needed for fittings and cable)

GATEABLE VALVE KITS

Valve operation is controlled through the **Y4E-JS-GT Gateable Joystick Monitor Operator Station** or the flow open/close button on any TFT panel mount or tethered monitor operator station membrane switch with digital display. The interface box includes pre-wired 20' (6 m) cables with receptacles for monitor and water valve plug connections, a 15' (4.5 m) 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.



Valve Interface Control Box

Weight 7.0 lb (3.1kg)

Overall Dimensions:

8.80"L x 5.80"W x 2.20"H

(22.4 x 14.7 x 5.6 cm)

(Additional clearance needed for fittings and cable)

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.



PANEL MOUNT MONITOR OPERATOR STATION WITH DISPLAY

- Designed to be mounted in a panel
- Control up to ten TFT RC monitors from one operator station
- Display for advanced system feedback and a backlit control panel for improved visibility
- A 30' (9 m) long cable for incoming power and communication connections is supplied pre-connected

Y4E-RP-D

\$1335.00

2.70 lb (1.20kg)

8.00"H x 5.625"W x 3.5"D
(20.30 x 14.3 x 8.9 cm)



PANEL MOUNT MONITOR OPERATOR STATION

- Designed to be mounted in a panel
- Control one electric monitor from a remote location
- A 30' (9 m) long cable for incoming power and communication connections is supplied pre-connected

Y4E-RP

\$1080.00

2.70 lb (1.20kg)

8.00"H x 5.625"W x 3.5"D
(20.30 x 14.3 x 8.9 cm)



TEATHERED MONITOR OPERATOR STATION WITH DISPLAY

- Unit is easily configurable for multi-monitor control
- Control up to ten TFT RC monitors from one operator station
- Display for advanced system feedback and a backlit control panel for improved visibility
- Pendant receptacle can be connected to the Panel Mount Operator Station or directly to the monitor
- A 10' (3 m), 30' (9 m) or 100' (30 m) long cable for attachment to the included receptacle
- Mounting bracket meets NFPA 1901 9G force requirements

Y4E-CT-10-D

\$1390.00

7.60 lb (3.40 kg)

7.30" (18.5 cm)

Y4E-CT-30-D

\$1450.00

7.6 lb (3.4 kg)

7.30" (18.5 cm)

Y4E-CT-100-D

\$1560.00

7.6 lb (3.4 kg)

7.30" (18.5 cm)

Contact customer service
for longer tether.



TEATHERED MONITOR OPERATOR STATION

- Control one electric monitor from a remote location
- Pendant receptacle can be connected to the Panel Mount Operator Station or directly to the monitor
- A 10' (3 m), 30' (9 m) or 100' (30 m) long cable for attachment to the included receptacle
- Mounting bracket meets NFPA 1901 9G force requirements

Y4E-CT-10

\$1130.00

7.60 lb (3.40 kg)

7.30" (18.5 cm)

Y4E-CT-30

\$1230.00

7.60 lb (3.40 kg)

7.30" (18.5 cm)

Y4E-CT-100

\$1300.00

7.60 lb (3.40 kg)

7.30" (18.5 cm)

Contact customer service
for longer tether.



REMOTE CONTROL ACCESSORIES



YE-RF-900-D
YE-RF-2400-D
\$2380.00
3.10 lb (1.40kg)
11.30" (28.70cm)

WIRELESS MONITOR OPERATOR STATION WITH DISPLAY 900 MHz OR 2.4 GHz

- Wireless transmitter will operate up to 500' (152 m) away from the monitor
- Control up to ten TFT RC monitors from one operator station
- Display for advanced system feedback and a backlit control panel for improved visibility
- Mounting bracket meets NFPA 1901 9G force requirements
- Order one radio & antenna for each RC monitor



YE-RF-900
YE-RF-2400
\$2160.00
3.10 lb (1.40kg)
11.30" (28.70cm)

WIRELESS MONITOR OPERATOR STATION 900 MHz OR 2.4 GHz

- Wireless transmitter will operate up to 500' (152 m) away from the monitor
- Control one electric monitor from a remote location
- Mounting bracket meets NFPA 1901 9G force requirements
- Order one radio & antenna for each RC monitor



YE-RF-RAD-9
YE-RF-RAD-24
\$275.00

WIRELESS MONITOR RADIO AND ANTENNA 900 MHz OR 2.4 GHz

- One radio & antenna for each RC monitor
- When ordered at the same time as the RC monitor, radio & antenna will be installed by TFT assembly personnel



Bluetooth

YE-BT1
\$415.00
3oz (85 gms)
5.40"L x 1.64"W x 1.36"H
(13.7 x 4.2 x 3.5cm)

BLUETOOTH® ADAPTER

- For RC monitors and Valve Under Monitor (VUM)
- Operate monitor via Bluetooth® from any smart device using the free App to control, configure, and service any TFT RC monitor or VUM
- Easily connects in-line to monitor or valve cable

FREE BLUETOOTH® OPERATIONS APP
SEARCH: TASK FORCE TIPS OPS APP



XGA-RP
\$235.00
1.00 lb (0.5 kg)
5.25" x 3.75"
(13.30 cm x 9.5 cm)

PANEL MOUNT RC EXTEND-A-GUN OPERATOR STATION

- Allows the RC Extend-A-Gun to be controlled from a remote location
- Designed to be flush mounted
- Includes 12' (3.6 m) preconnected cable

NOTE: This operator station is required if the RC Extend-A-Gun is installed without a TFT RC Monitor. An included 6' (1.8 m) cable must be installed into the RC Extend-A-Gun interface box.



YE-CAN1
\$210.00

MULTIPLEX INTERFACE FOR RC MONITOR AND VUM

- Converts CANbus signals into serial communications for controlling a TFT RC monitor or valve
- Designed to work on a J1939 CANbus system and allows control of all TFT RC Monitors and RC Valve Under Monitor (VUM)



YE-RECEP-4
\$265.00
30.00ft (9.10m)

PANEL MOUNTED RECEPTACLE

- Allows tethered monitor operator stations to be connected at additional locations
- A 30' (9 m) long 4-conductor cable with a pre-connected receptacle is supplied
- Includes waterproof cap and chain

REMOTE CONTROL ACCESSORIES



MULTIPLEX ADAPTER FOR RC MONITOR AND VUM

- Converts CANbus signals into serial communications for controlling a TFT RC monitor or valve
- Designed to work on a J1939 CANbus system and allows control of all TFT RC Monitors and RC Valve Under Monitor
- Easily connects in-line to monitor or valve cable

YE-CAN2

\$415.00

3oz (85 gms)

5.40"L x 1.64"W x 1.36"H
(13.7 x 4.2 x 3.5 cm)



ETHERNET INTERFACE CONTROL

- Enables a TFT RC monitor to be connected and controlled via a standard wired Ethernet network
- Designed to be operated from a PC or tablet running a standard web browser
- Includes a pre-wired 10' (3 m) cable with receptacle for monitor connections
- Includes a 10' (3 m) cable for power connections and communication connections to other remote accessories

YE-ETHER

\$1080.00

2.50 lb (1.10 kg)

11.30" (28.70 cm)



JOYSTICK MONITOR OPERATOR STATION

- Allows any TFT RC electric monitor to be controlled using a joystick
- Thumb switches control nozzle pattern
- Trigger built into the joystick handle can be used to open and close TFT water valves
- A 10' (3 m) cable is supplied
- Push buttons on top for PARK and OSCILLATE functions as well as monitor DEPLOY
- Additional configurable button can be set up for RC Extend-A-Gun or LED light kit control

Y4E-JS

Y4E-JS-51

Y4E-JS-52

\$1465.00

5.00 lb (2.30 kg)

10.00"H x 4.75"W x 4.75"L
(25.40 x 12.1 x 12.1 cm)



Y4E-JS Cable is supplied with stripped wires for connection to control system

Y4E-JS-51 Cable has plug and includes bulkhead receptacle with stripped wires for connection to control system.

Y4E-JS-52 Cable has plug to connect to YE-VK valve interface box

NOTE: Consult factory for instructions to enable proportional speed control.



JOYSTICK MONITOR OPERATOR STATION WITH GATEABLE VALVE CONTROL

- Allows any TFT RC electric monitor to be controlled using a joystick and includes a valve opening adjustment slider to control the valve position on TFT Gateable Valve Kits
- Thumb switches control nozzle pattern
- Trigger built into the joystick handle can be used to operate TFT gateable valves
- Includes a 10' (3 m) cable
- Push buttons on top for PARK and OSCILLATE functions as well as monitor DEPLOY
- Additional configurable button can be set up for RC Extend-A-Gun or LED light kit control

Y4E-JS-GT

Y4E-JS-GT-R

Y4E-JS-GT-NP

\$1465.00

5.00 lb (2.30 kg)

10.00"H x 4.75"W x 4.75"L
(25.40 x 12.1 x 12.1 cm)



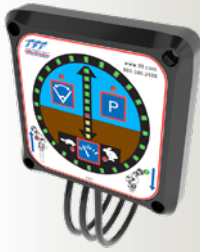
Y4E-JS-GT has cable and plug to connect to YE-VKG valve interface box.

Y4E-JS-GT-R – Cable has plug and includes bulkhead receptacle with stripped wires for connection to control system.

Y4E-JS-GT-NP – Cable with stripped wires for connection to control system.

NOTE: Consult factory for instructions to enable proportional speed control.

REMOTE CONTROL ACCESSORIES



MONITOR POSITION DISPLAY

- Shows the stream position of any TFT RC electric monitor
- Buttons for the PARK & Oscillate features and HIGH/LOW speed selection
- A 10' (3 m) long 4-conductor cable for power and communication is supplied pre-connected

Y4E-DISP

\$685.00

2.70 lb (1.20 kg)

4.25"L x 4.25"W x 1.30"H

(10.8 x 10.8 x 3.3 cm)



VALVE POSITION DISPLAY

- Five LEDs show the position of any TFT RC Ball Intake Valve or Valve Under Monitor
- Buttons for valve open, stop, close
- Can be quickly and easily set for manual (jog) or automatic (full travel) modes
- A 20' (6 m) long 4-conductor cable w/ Deutsch quick-connect plug for power and communication is supplied pre-connected

A-DISP

\$800.00

2.7 lb (1.2 kg)

4.25"L x 4.25"W x 1.30"H

(10.8 x 10.8 x 3.3 cm)



TOGGLE SWITCH MONITOR OPERATOR STATION

- Allows any TFT RC electric monitor to be controlled using three toggle switches for left/right, up/down, and fog/stream
- Operator station can be surface mounted
- A 10' (3 m) long 4-conductor cable for power and communication is supplied pre-connected

Y4E-TS

\$1080.00

2.70 lb (1.20 kg)

4.9"L x 3.2"W x 2.2"H

(12.4 x 8.1 x 5.6 cm)



MONITOR COMMUNICATION INTERFACE BOX

- For controlling any TFT RC electric monitor from other inputs such as toggle switches
- Accepts +12/24 VDC signals, but can be field changed to accept ground signals
- A 10' (3 m) long 4-conductor cable for power and communication is supplied pre-connected
- A 10' (3 m) long 8 conductor cable for input signals is supplied pre-connected

Y4E-COMM

\$1080.00

2.70 lb (1.20 kg)

4.9"L x 3.2"W x 2.2"H

(12.4 x 8.1 x 5.6 cm)



REMOTE AUXILIARY FUNCTION RELAY INTERFACE BOX

- Allows user to utilize the AUX1 and AUX2 buttons located on the monitor operator station
- Two relays that can operate lights, interface to a valve controller or a valve directly
- Contact rating is 16 amps @ 30VDC for resistive loads and 8 amps @ 30VDC for inductive loads
- A 10' (3 m) long 4-conductor cable for power and communication is supplied pre-connected

YE-REMAUX

\$1080.00

2.70 lb (1.20kg)

4.9"L x 3.2"W x 2.2"H

(12.4 x 8.1 x 5.6 cm)



YE-LK12-KIT

\$940.00

1.7 lb (0.8 kg)

4.30" (10.9 cm) Height

YE-LK24-KIT

\$940.00

1.7 lb (0.8 kg)

4.30" (10.9 cm) Height

YE-LK12-KIT LED SEARCH-LIGHT KIT, 12V - for mounting to remote controlled EF1, Tornado and Typhoon monitors.

YE-LK24-KIT LED SEARCH-LIGHT KIT, 24V - for mounting to remote controlled EF1, Tornado and Typhoon monitors.

CROSSFIRE®**Pumper Combination Package Crossfire & Extend-A-Gun**

XFC-71

\$3760.00**XFC-71 PACKAGE CONTAINS:**

CROSSFIRE Monitor Top
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set

**CROSSFIRE TOP INCLUDED**

XFT-NJ — 2.5"NH (64 mm) Outlet
Monitor Top 1250 gpm (4750 l/min)

3" BRACKET SET CHOICEChoose 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" (76 mm) Tapered Pipe Male Inlet
12" (30.5 cm) Extension



XG12VL-XL
3" Victaulic (76 mm) Inlet
12" (30.5 cm) Extension



XG18PL-XL
3" (76 mm) Tapered Pipe Male Inlet
18" (45.7 cm) Extension



XG18VL-XL
3" Victaulic (76 mm) Inlet
18" (45.7 cm) Extension

**CROSSFIRE®****Pumper Combination Package Crossfire, Stacked Tips & Extend-A-Gun**

XFC-72

\$4340.00**XFC-72 PACKAGE CONTAINS:**

CROSSFIRE Monitor Top
Quad Stack Tips
Choice of Stream Straightener
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set

**CROSSFIRE TOP & QUAD TIPS
INCLUDED**

XFT-NJ — 2.5"NH (64 mm) Outlet
Monitor Top 1250 gpm (4750 l/min)



MST-4NJ — 2.5"NH (64 mm)
4 Stacked Tips Laser Engraved Flow Charts

3" BRACKET SET CHOICEChoose 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" (76 mm) Tapered Pipe Male Inlet
12" (30.5 cm) Extended Position



XG12VL-XL
3" Victaulic (76 mm) Inlet
12" (30.5 cm) Extended Position



XG18PL-XL
3" (76 mm) Tapered Pipe Male Inlet
18" (45.7 cm) Extended Position



XG18VL-XL
3" Victaulic (76 mm) Inlet
18" (45.7 cm) Extended Position

**CHOICE OF ☒ STREAM
STRAIGHTENER**

XF-SS5
5" (127 mm)
2.5" NH (64 mm)



XF-SS10
10" (254 mm)
2.5" NH (64 mm)

XFC-73

\$5155.00

XFC-73 PACKAGE CONTAINS:

CROSSFIRE Monitor Top
Choice of Halo Master Stream Nozzle
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set



CROSSFIRE TOP INCLUDED

XFT-NJ — 2.5"NH Outlet (64 mm)
Monitor Top 1250 gpm (4750 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" (76 mm) Tapered Pipe Male Inlet
12" (30.5 cm) Extension



XG12VL-XL
3" Victaulic (76 mm) Inlet
12" (30.5 cm) Extension



XG18PL-XL
3" (76mm) Tapered Pipe Male Inlet
18" (45.7 cm) Extension



XG18VL-XL
3" Victaulic (76mm) Inlet
18" (45.7 cm) Extension



CHOICE OF NOZZLE

Choose One Option ☒



M-R1000-NJ — 2.5"NH (64 mm)
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-3800 l/min) at 100 psi (7 bar)



M-R1250SNJ — 2.5"NH (64 mm)
Automatic Pressure Nozzle
150-1250 gpm flow range
(570-4700 l/min)



M-RS1000-NJ — 2.5"NH (64 mm)
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
(950, 1300, 2000, 3000, 4000 l/min)
Flow is User Adjusted
gpm is based on 100 psi (7 bar)



M-RF1000-NJ — 2.5"NH (64 mm)
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure



XFC-62

\$7570.00

XFC-62 PACKAGE CONTAINS:

CROSSFIRE Monitor Top
Quad Stacked Tips
Crossfire Storage Bracket
SAFE-TAK 1250 Base w/Choice of Inlet
Choice of Halo Master Nozzle
Choice of Stream Straightener
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set

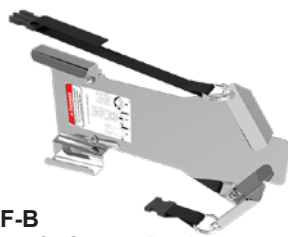
CROSSFIRE TOP, QUAD TIPS & BRACKET INCLUDED



XFT-NJ — 2.5"NH (64 mm) Outlet
Monitor Top 1250 gpm (4750 l/min)



MST-4NJ — 2.5"NH (64 mm)
4 Stacked Tips Laser Engraved Flow Charts



XF-B
Crossfire Storage Bracket

CHOICE OF NOZZLE

Choose One Option ☒



☐ **M-R1000-NJ - 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-3800 l/min) at 100 psi (7 bar)

☐ **M-RF1000-NJ - 2.5"NH (64 mm)**
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure

☐ **M-RS1000-NJ - 2.5"NH (64 mm)**
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
(950, 1300, 2000, 3000, 4000 l/min)
Flow is User Adjusted
gpm is based on 100 psi (7 bar)

☐ **M-R1250SNJ - 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1250 gpm flow range
(570-4700 l/min) at 100 psi (7 bar)

CHOICE OF EXTEND-A-GUN

Choose One Option ☒

☐ **XG12PL-XL**
3" (76 mm) Tapered Pipe Male
12" (30.5 cm) Extension

☐ **XG12VL-XL**
3" Victaulic (76 mm)
12" (30.5 cm) Extension

☐ **XG18PL-XL**
3" (76 mm) Tapered Pipe Male
18" (45.7 cm) Extension

☐ **XG18VL-XL**
3" Victaulic (76 mm)
18" (45.7 cm) Extension



CHOICE OF STREAM STRAIGHTENER

Choose One Option ☒

☐ **XF-SS5**
5" (127 mm)
2.5" NH (64 mm)

☐ **XF-SS10**
10" (254 mm)
2.5" NH (64 mm)



SAFE-TAK 1250 BASE w/CHOICE OF INLETS

Choose One Option ☒

XFH-*
SAFE-TAK 1250
Portable Base



☐ **XFH-1NL**
Single 3"NH
(76 mm)

☐ **XFH-1NP**
Single 4"NH
(102 mm)

☐ **XFH-2NJ**
Dual 2.5"NH
(64 mm)

☐ **XFH-1SP**
Single 4"Storz
(102 mm)

☐ **XFH-1ST**
Single 5"Storz
(127 mm)

☐ **XFH-1NN**
Single 3.5"NH
(89 mm)

☐ **XFH-1NR**
Single 4.5"NH
(114 mm)

☐ **XFH-1SX**
Single 6"Storz
(152 mm)

CHOICE OF 3" (76 mm) 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



XFC-63

\$5345.00

XFC-63 PACKAGE CONTAINS:

HURRICANE Monitor
Quad Stacked Tips
Choice of Halo Master Nozzle
Choice of Stream Straightener
Choice of Manual Extend-A-Gun
Choice of Mounting Bracket Set

FIXED STATION MONITOR & QUAD TIPS INCLUDED



XFI-PLNJ HURRICANE MONITOR
3" (76 mm) Female NPT Inlet
2.5" NH (64 mm) Outlet
1250 gpm (4750 l/min)



MST-4NJ - 2.5" NH (64 mm)
4 Stacked Tips
Laser Engraved Flow Charts

CHOICE OF STREAM STRAIGHTENER

Choose One Option ☒



XF-SS5
5" (127 mm) 2.5" NH (64 mm)



XF-SS10
10" (254 mm) 2.5" NH (64 mm)

CHOICE OF EXTEND-A-GUN

Choose One Option ☒



XG12PL-PL
3" (76 mm) Tapered Pipe Male Inlet
12" (30.5 cm) Extension



XG12VL-PL
3" Victaulic (76 mm) Inlet
12" (30.5 cm) Extension



XG18PL-PL
3" (76 mm) Tapered Pipe Male Inlet
18" (45.7 cm) Extension



XG18VL-PL
3" Victaulic (76 mm) Inlet
18" (45.7 cm) Extension



CHOICE OF

3" (76 mm) 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 (64 mm)**
Automatic Pressure Nozzle
150-1000 gpm flow range
(600-3800 l/min) at 100 psi (7 bar)



M-RS1000-NJ - 2.5"NH (64 mm)
Selectable Flow Nozzle
250, 350, 500, 750 or 1000 gpm
(950, 1300, 2000, 3000, 4000 l/min)
Flow is User Adjusted
gpm is based on 100 psi (7 bar)



M-RF1000-NJ - 2.5"NH (64 mm)
Fixed Flow Nozzle
1000 gpm (4000 l/min) max
Must Specify Flow & Pressure



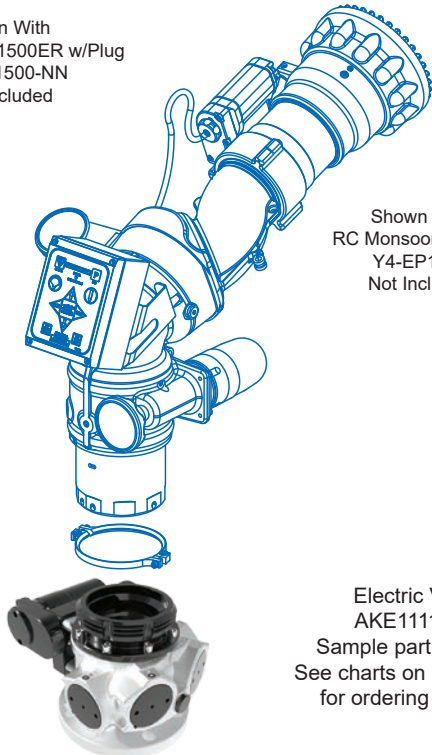
☐ **M-R1250SNJ - 2.5"NH (64 mm)**
Automatic Pressure Nozzle
150-1250 gpm flow range
(570-4700 l/min) at 100 psi (7 bar)

VUM VALVE UNDER MONITOR™

The Valve Under Monitor (VUM) is a lightweight, low friction-loss valve and manifold for installation directly beneath monitors on boats, ladders and platforms. The VUM combines the robust valve mechanism from the TFT Inline Valve Series with a 4" (102 mm) ANSI 150 inlet and up to four 2.5" (64 mm) outlets. The 2.5" (64 mm) outlets are available with integrated straight or elbow valves, pressure relief valves, automatic drains, 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 including wireless 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.

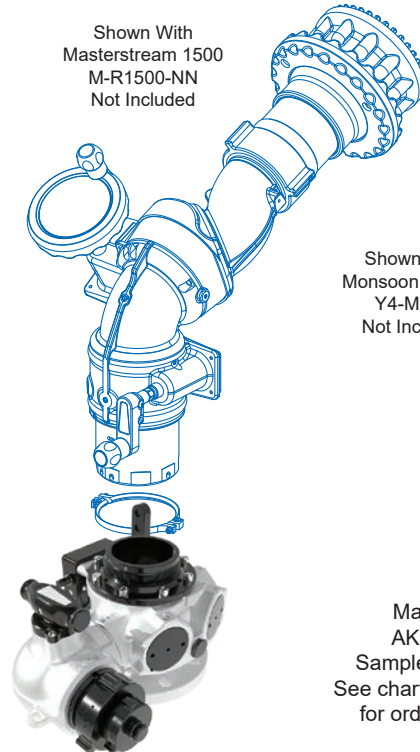
Shown With
Masterstream 1500ER w/Plug
M-ERP1500-NN
Not Included



Shown With
RC Monsoon Monitor
Y4-EP1A-P
Not Included

Electric VUM
AKE11111D
Sample part number.
See charts on next pages
for ordering options.

Shown With
Masterstream 1500
M-R1500-NN
Not Included



Shown With
Monsoon Monitor
Y4-MP1A
Not Included

Manual VUM
AKM111113D
Sample part number.
See charts on next pages
for ordering options.

ACCEPTABLE MONITOR INSTALLATIONS (most popular models listed, others available)

TFT CODE-RPM AND QUICK CONNECT MONITORS MEASURING LESS THAN 19" (48.3 cm)	FLANGED MONITORS MEASURING LESS THAN 16" (40.6 cm)	FLANGED MONITORS MEASURING GREATER THAN 16" (40.6 cm)
MONSOON Y4-MP1A or MQ1A MONSOON Y4-TP1A or TQ1A MONSOON RC Y4-EP1A or EQ1A TYPHOON Y5-DP1A or DQ1A TYPHOON Y5-MP1A or MQ1A TYPHOON Y5-TP1A or TQ1A TYPHOON RC Y5-EA1A-L TYPHOON RC Y5-EP1A-L or EQ1A-L TYPHOON RC Y5-EP1A-P or EQ1A-P HURRICANE XFIH-DP1A or DQ1A HURRICANE XFIH-TP1A or TQ1A HURRICANE RC XFIH-EN1A or EQ1A TORNADO Y2-T11A or TV1A TORNADO RC Y2-E11A or EV1A	HURRICANE XFI-FPNJ HURRICANE XFIE-FPNJ HURRICANE XFIH-D21A * HURRICANE XFIH-T21A * HURRICANE RC XFIH-E21A * MONSOON Y4-M21A * MONSOON Y4-T21A * MONSOON RC Y4-E21A *	TYPHOON Y5-D21A * TYPHOON Y5-M21A * TYPHOON Y5-T21A * TYPHOON RC Y5-EA1A-L TYPHOON RC Y5-E21A-L * TYPHOON RC Y5-E21A-L20 or L30, or L45 * TYPHOON RC Y5-E21A-P *
*FLANGES (4" ANSI 150 OR DN100 PN16) CAN BE REMOVED FROM MOST TFT MONITORS IN ORDER TO USE THE CODE-RPM DIRECT CONNECTION.		

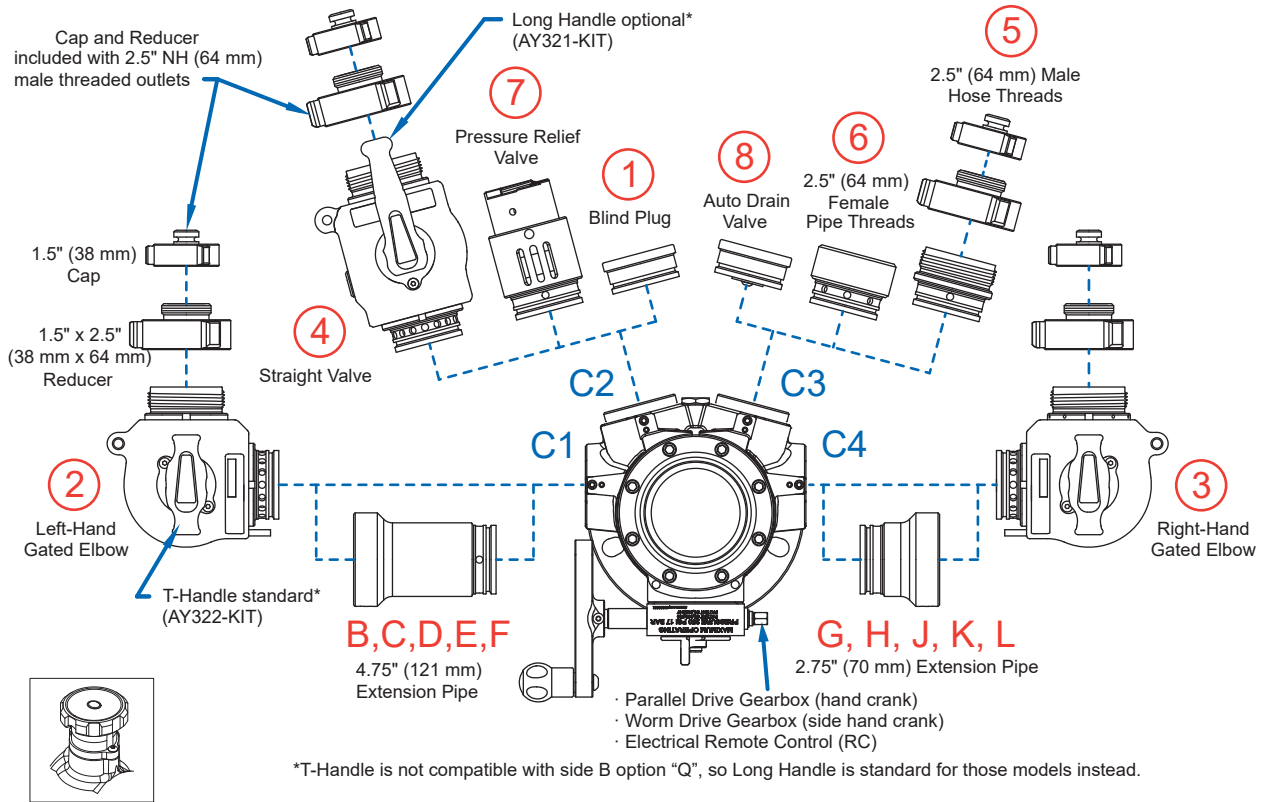
When ordering a Valve Under Monitor (VUM), choose one option from each category from the charts on the following pages.

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 crank 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 VUM specialist.

VUM VALVE UNDER MONITOR™

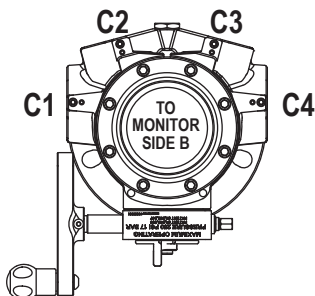


Slow Close Valve Option is available on all models. Call for additional information.

CONTACT CUSTOMER SERVICE FOR CONFIGURATIONS AND AVAILABILITY

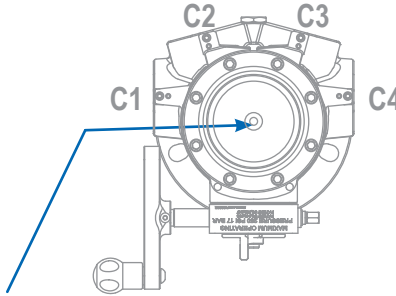
AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4			
Without Extension Pipe		With 4.75" (121 mm) Extension Pipe	With 2.75" (70 mm) Extension Pipe
1) Blind Plug	1) N/C		
2) 2.5" NH (64 mm) Gated Elbow Left-Hand*	2) \$800.00	B) \$970.00	G) \$970.00
3) 2.5" NH (64 mm) Gated Elbow Right-Hand*	3) \$800.00	C) \$970.00	H) \$970.00
4) 2.5" NH (64 mm) Straight Valve*	4) \$800.00	D) \$970.00	J) \$970.00
5) 2.5" NH (64 mm) Male Threads (no valve)	5) \$180.00	E) \$350.00	K) \$350.00
6) 2.5" NPT (64 mm) Female Threads (no valve)	6) \$180.00	F) \$350.00	L) \$350.00
7) Pressure Relief Valve	7) \$500.00	Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost. See charts on following pages.	
8) External Automatic Drain Valve	8) N/C		

AUXILIARY PORT DESIGNATION



Note: Crank is factory configured on left-hand side of valve, but is field reversible 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 (0.3 bar). When pressure drops below 5 psi (0.3 bar), the drain valve will open.

4" ANSI 150 flange inlet is standard

OPTIONAL

3" (76 mm) and 6" (152 mm) FLANGE Outlet or inlet adapter available.

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4

See Diagram and Chart on page B70

Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

CRANK HANDLE CONTROL (WORM DRIVE GEARBOX)
**Dimensional Minimum
AKM11*******

 19.3 lb (8.8 kg)
 6.60" (16.8 cm) height
 12.65" (32.1 cm) width
 12.20" (31.0 cm) depth


- Worm Drive Control
- 4" (102 mm) ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet

**Dimensional Maximum
AKM11*******

 49.3 lb (22.4 kg)
 6.60" (16.8 cm) height
 33.20" (84.3 cm) width
 24.10" (61.2 cm) depth

AKM11

\$1165.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum
AKM12*******

 20.0 lb (9.1 kg)
 7.9" (20.1 cm) height
 12.65" (32.1 cm) width
 12.20" (31.0 cm) depth


- Worm Drive Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet

**Dimensional Maximum
AKM12*******

 50.0 lb (22.7 kg)
 7.9" (20.1 cm) height
 33.2" (84.3 cm) width
 24.1" (61.2 cm) depth

AKM12

\$1620.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum
AKM13*******

 23.9 lb (10.8 kg)
 8.7" (22.1 cm) height
 12.65" (32.1 cm) width
 12.20" (31.0 cm) depth


- Worm Drive Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 4" (102 mm) ANSI 150 Flange Outlet

**Dimensional Maximum
AKM13*******

 53.9 lb (24.4 kg)
 8.7" (22.1 cm) height
 33.2" (84.3 cm) width
 24.1" (61.2 cm) depth

AKM13

\$1620.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

VUM VALVE UNDER MONITOR™

**Dimensional Minimum
AKM14******
25.0 lb (11.3 kg)
9.9" (25.1 cm) height
12.65 (32.1 cm) width
12.20" (31.0 cm) depth

**Dimensional Maximum
AKM14******
55.0 lb (24.9 kg)
9.9" (25.1 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



AKM14

\$2010.00

BASE MODEL

- Worm Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 22.5° 4" (102 mm) ANSI 150 Flange Outlet

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum
AKM1Q1111D**
21.7 lb (9.8 kg)
8.20" (20.8 cm) height
12.65" (32.1 cm) width
12.20" (31.00 cm) depth

**Dimensional Maximum
AKM1Q******
51.7 lb (23.5 kg)
8.20" (20.8 cm) height
33.20" (84.3 cm) width
24.10" (61.2 cm) depth



AKM1Q

\$1160.00

BASE MODEL

- Worm Drive Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 4.5" NH (114 mm) Quick Connect Outlet for TFT Monitors and Elbows

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum
AKM1T1111D**
21.5 lb (9.8 kg)
8.1" (20.6 cm) height
12.65" (32.1 cm) width
12.20" (31.00 cm) depth

**Dimensional Maximum
AKM1T******
51.5 lb (23.4 kg)
8.1" (20.6 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



AKM1T

\$1160.00

BASE MODEL

- Worm Drive Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 2.5" NH (64 mm) Quick Connect Outlet for Tornado Monitor

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

**Dimensional Minimum
AKM1V******
17.5 lb (7.9 kg)
6.1" (15.5 cm) height
12.65 (32.1 cm) width
12.20" (31.0 cm) depth

**Dimensional Maximum
AKM1V******
47.5 lb (21.5 kg)
6.1" (15.5 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



AKM1V

\$1160.00

BASE MODEL

- Worm Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5" (38 mm) offset Typhoon

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4

See Diagram and Chart on page B70

Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

CRANK HANDLE CONTROL (PARALLEL DRIVE GEARBOX)
Dimensional Minimum

AKP111111D
 19.3 lb (8.8 kg)
 6.60" (16.8 cm) height
 9.40" (23.9 cm) width
 13.80" (35.1 cm) depth

Dimensional Maximum

AKP11****
 49.4 lb (22.4 kg)
 6.6" (16.8 cm) height
 33.2" (84.3 cm) width
 25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet

AKP11
\$1340.00
BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum

AKP121111D
 19.3 lb (8.8 kg)
 7.9" (20.1 cm) height
 9.4" (23.9 cm) width
 13.8" (35.1 cm) depth

Dimensional Maximum

AKP12****
 50.1 lb (22.7 kg)
 7.9" (20.1 cm) height
 33.2" (84.3 cm) width
 25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet

AKP12
\$1805.00
BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum

AKP131111D
 23.9 lb (10.8 kg)
 8.7" (22.1 cm) height
 9.4" (23.9 cm) width
 13.8" (35.1 cm) depth

Dimensional Maximum

AKP13****
 53.9 lb (24.4 kg)
 8.7" (22.1 cm) height
 33.2" (84.3 cm) width
 25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 4" (102 mm) ANSI 150 Flange Outlet

AKP13
\$1805.00
BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

VUM VALVE UNDER MONITOR™

Dimensional Minimum AKP14****

25.0 lb (11.3 kg)
9.9" (25.1 cm) height
9.40" (23.9 cm) width
13.80" (35.1 cm) depth

Dimensional Maximum AKP14****

55.0 lb (24.9 kg)
9.9" (25.1 cm) height
33.2" (84.3 cm) width
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 22.5° 4" (102 mm) ANSI 150 Flange Outlet

AKP14

\$2195.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum AKP1Q1111D

21.4 lb (9.7 kg)
8.20" (20.8 cm) height
9.40" (23.9 cm) width
13.80" (35.1 cm) depth

Dimensional Maximum AKP1Q****

51.4 lb (23.3 kg)
8.2" (20.8 cm) height
33.2" (84.3 cm) width
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 4.5" NH (114 mm) Quick Connect Outlet for TFT Monitors and Elbows

AKP1Q

\$1340.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum AKP1T1111D

21.2 lb (9.6 kg)
8.1" (20.6 cm) height
9.4" (23.9 cm) width
13.8" (35.1 cm) depth

Dimensional Maximum AKP1T****

51.2 lb (23.2 kg)
8.1" (20.6 cm) height
33.2" (84.3 cm) width
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- 2.5" NH (64 mm) Quick Connect Outlet for Tornado Monitor

AKP1T

\$1340.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum AKP1V****

17.5 lb (7.9 kg)
6.1" (15.5 cm) height
9.40" (23.9 cm) width
13.80" (35.1 cm) depth

Dimensional Maximum AKP1V****

47.5 lb (21.5 kg)
6.1" (15.5 cm) height
33.2" (84.3 cm) width
25.7" (65.3 cm) depth



- Parallel Drive Valve Control
- 4" (102 mm) ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5" (38 mm) offset Typhoon

AKP1V

\$1340.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

AUXILIARY PORT SPECIFICATIONS AND PRICING - For Ports C1, C2, C3 C4

See Diagram and Chart on page B70

Add Base Model Price Plus Auxiliary Port Price(s) for Total Unit Cost.

ELECTRIC REMOTE CONTROL (RC)

Dimensional Minimum
AKE111111D
 23.7 lb (10.8 kg)
 6.6" (16.8 cm) height
 10.3" (26.2 cm) width
 12.9" (32.8 cm) depth

Dimensional Maximum
AKE11****
 53.7 lb (24.4 kg)
 6.6" (16.8 cm) height
 33.2" (84.3 cm) width
 24.1" (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4" (102 mm) ANSI 150 Flange Inlet
- Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet



Includes Interface Enclosure

AKE11
\$3070.00
BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum
AKE112111D
 24.4 lb (11.1 kg)
 7.9" (20.1 cm) height
 10.3" (26.2 cm) width
 12.9" (32.8 cm) depth

Dimensional Maximum
AKE12****
 54.4 lb (24.7 kg)
 7.9" (20.1 cm) height
 33.2" (84.3 cm) width
 24.1" (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4" (102 mm) ANSI 150 Flange Inlet
- 22.5° Elbow Code-RPM Male Threaded Outlet
- Direct connection of TFT Monitors with Code-RPF Inlet



Includes Interface Enclosure

AKE12
\$3920.00
BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum
AKE131111D
 28.2 lb (12.8 kg)
 8.7" (22.1 cm) height
 10.3" (26.2 cm) width
 12.9" (32.8 cm) depth

Dimensional Maximum
AKE13****
 58.2 lb (26.4 kg)
 8.7" (22.1 cm) height
 33.2" (84.3 cm) width
 24.1" (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4" (102 mm) ANSI 150 Flange Inlet
- 4" (102 mm) ANSI 150 Flange Outlet



Includes Interface Enclosure

AKE13
\$3920.00
BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

VUM VALVE UNDER MONITOR™

Dimensional Minimum AKE14****

29.4 lb (13.3 kg)
9.9" (25.1 cm) height
10.3" (26.2 cm) width
12.9" (32.8 cm) depth

Dimensional Maximum AKE14****

59.4 lb (26.9 kg)
9.9" (25.1 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4" (102 mm) ANSI 150 Flange Inlet
- 22.5° 4" (102 mm) ANSI 150 Flange Outlet



Includes Interface Enclosure

AKE14

\$4245.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum AKE1Q1111D

26.0 lb (11.8 kg)
8.2" (20.8 cm) height
10.3" (26.2 cm) width
12.9" (32.8 cm) depth

Dimensional Maximum AKE1Q****

56.0 lb (25.4 kg)
8.2" (20.8 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4" (102 mm) ANSI 150 Flange Inlet
- 4.5" NH (114 mm) Quick Connect Outlet for TFT Monitors and Elbows



Includes Interface Enclosure

AKE1Q

\$3070.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum AKE1T1111D

21.2 lb (9.6 kg)
8.1" (20.6 cm) height
10.3" (26.2 cm) width
12.9" (32.8 cm) depth

Dimensional Maximum AKE1T****

51.2 lb (23.2 kg)
8.1" (20.6 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4" (102 mm) ANSI 150 Flange Inlet
- 2.5" NH (64 mm) Quick Connect Outlet for Tornado Monitor



Includes Interface Enclosure

AKE1T

\$3070.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

Dimensional Minimum AKE1V****

21.9 lb (9.9 kg)
6.1" (15.5 cm) height
10.3" (26.2 cm) width
12.9" (32.8 cm) depth

Dimensional Maximum AKE1V****

51.9 lb (23.5 kg)
6.1" (15.5 cm) height
33.2" (84.3 cm) width
24.1" (61.2 cm) depth



- Electric Valve Control with Manual Override
- 4" (102 mm) ANSI 150 Flange Inlet
- For integrated Tornado (no coupling)
- For 1.5" (38 mm) offset Typhoon



Includes Interface Enclosure

AKE1V

\$3070.00

BASE MODEL

AUXILIARY PORTS				BALL DRAIN	TOTAL Plus Aux Port Prices
C1	C2	C3	C4		
				N/C	
				D=Drain Z=No Drain	

BIV JUMBO BALL INTAKE VALVE™ RC

The TFT Standard RC Ball Intake Valve (BIV) is being replaced by the Jumbo RC and Jumbo Low Profile RC Electric Remote Ball Intake Valves

See pages G8-G9 for more information and a descriptive model matrix.

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

- **Easy Model Selection**
- **10-Year Warranty**
- **High Flow, Low Friction Loss**
- **Configurations To Meet Your Needs**

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 on page T9

- Storz couplings are shipped with a pressure gasket installed. A suction gasket is available upon request for drafting operations
- To change a 4" (102 mm) or 5" (127 mm) Storz from rigid to full-time swivel, back out the lockout screw until the coupling moves freely. See page T4 for diagram
- To add an additional Vent/Drain for the Jumbo BIV order A1621-KIT
- For additional control heads order A-DISP (page B64)



The Jumbo BIV and Low Profile Jumbo Intake Valve series includes a 10 year warranty against manufacturing defects and corrosion that affects the valve's operational performance.



Control Box

- Control box has five LEDs to show position of the valve
- Buttons for valve open, stop, close
- Can be quickly and easily set for manual (jog) or automatic (full travel) modes

Dimensional Maximum
AX1ST-NX-RC
 39.5 lbs (17.9 kg)
 17.80" (45.2 cm) Height
 11.20" (28.4 cm) Width
 15.40" (39.1 cm) Depth

\$4700.00

*Side A = NY \$5385.00
 *Side A = ST \$5020.00
 *Side A = SX \$5020.00

SAMPLE PART NUMBER.
 Specify inlet and outlet from chart.

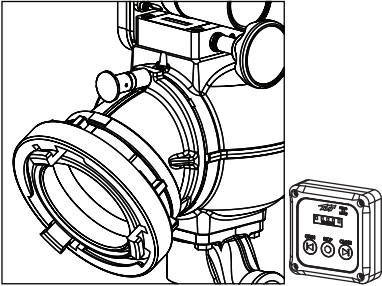
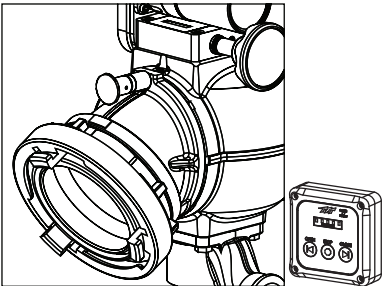
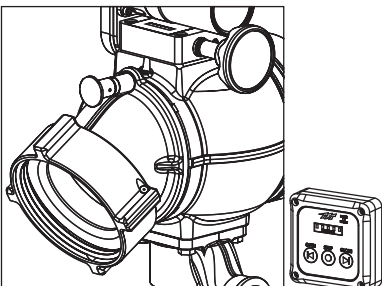
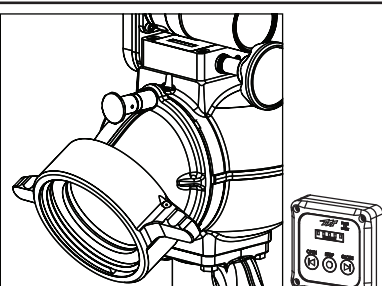
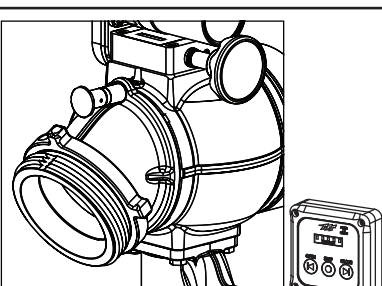
If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AX(AP) with AZ(AQ). AZ(AQ) denotes no PRV, deduct \$265 from the appropriate AX or AP published list price.

Pressure Relief Valve information is located on page B2. Suction Screen information is located on page T1, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	4.5" NH (114 mm) Pump Inlet Adapter
6" NH (152 mm) Threaded Male	AA9NX-NP \$156.00	AA9NX-NR \$156.00

BIV JUMBO BALL INTAKE VALVE™ RC

AX/AP	Side B		Side A	RC
		—		—
	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+		NP) 4.0" (102 mm) Long Handle Female Coupling NR) 4.5" (114 mm) Long Handle Female Coupling NT) 5.0" (127 mm) Long Handle Female Coupling NX) 6.0" (152 mm) Female Threaded Swivel NY) 8.0" (203 mm) Female Threaded Swivel * ST) 5.0" (127 mm) Storz swivel * SX) 6.0" (152 mm) Storz swivel *+	
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+			
	7NN) 3.5" (89 mm) Threaded Swivel 7NP) 4.0" (102 mm) Threaded Swivel 7NR) 4.5" (114 mm) Threaded Swivel 7NT) 5.0" (127 mm) Threaded Swivel			
	7HNP) 4.0" (102 mm) Threaded Swivel Handle 7HNR) 4.5" (114 mm) Threaded Swivel Handle 7HNT) 5.0" (127 mm) Threaded Swivel Handle			
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid			

AX **-** **RC**

(Choose Side B/Side A suffix from table)
Example: 5.0" (127 mm) Rocker Lug Female Swivel on Side B to a 6.0" NH (152 mm) Female Swivel on Side A would be

AX 7 N T - N X - R C

+ All 6" Storz couplings have an adjustable seal compression feature.

BIV JUMBO LOW PROFILE BALL INTAKE VALVE™ RC

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 large knob 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 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. The aluminum castings are hardcoat anodized, and TFT Powder Coated 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 (0.3 bar) at 2000 gpm (7570 l/min); Pressure Loss Chart is located on page T9



The Low Profile Jumbo Intake Value series includes a 10 year warranty against manufacturing defects and corrosion that affects the valve's operational performance.

SIDE A
SWIVEL



Control Box

LEFT
AXD1ST-NX-RC

SAMPLE PART NUMBER.
Specify inlet and outlet from chart.

- Control box has five LEDs to show position of the valve
- Buttons for valve open, stop, close
- Can be quickly and easily set for manual (jog) or automatic (full travel) modes

SIDE B
RIGID

Dimensional Maximum
AXD7HNX-NXRC
30.5 lbs (13.8 kg)
12.3" (31.2 cm) Height
15.6" (39.6 cm) Width
11.3" (28.7 cm) Depth

\$4850.00

*Side A = NY \$5535.00

SIDE A
SWIVEL



Control Box

RIGHT
AXE1ST-NX-RC

SAMPLE PART NUMBER.
Specify inlet and outlet from chart.

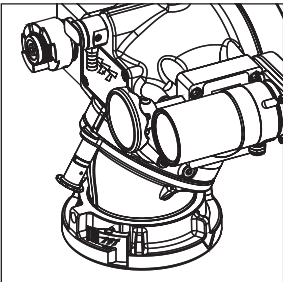

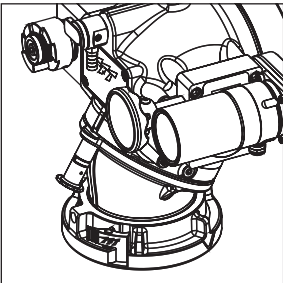

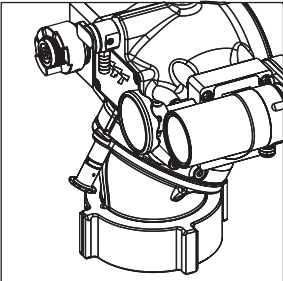

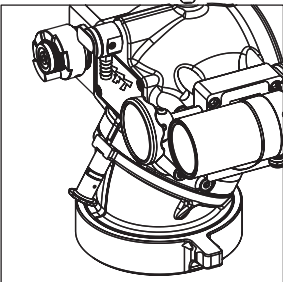

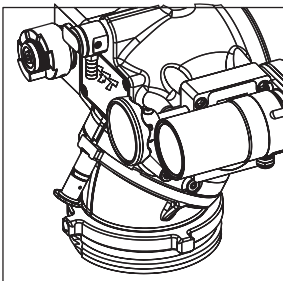

If a Pressure Relief Valve (PRV) is not required, substitute the part number prefix AXD with AZD or AXE with AZE. AZD or AZE denotes no PRV, deduct \$265 from the appropriate AXD or AXE published list price.

Pressure Relief Valve information is located on page B2. Suction Screen information is located on page T1, under LDH service kits.

Adapters for 4" or 4.5" NH (102 or 114 mm) pump inlets.

	4" NH (102 mm) Pump Inlet Adapter	4.5" NH (114 mm) Pump Inlet Adapter
6" NH (152 mm) Threaded Male	AA9NX-NP \$156.00	AA9NX-NR \$156.00

BIV JUMBO LOW PROFILE BALL INTAKE VALVE™ RC

Motor Side	Side B		Side A		RC
		—		—	RC
AXD) Left AXE) Right	1SP) 4.0" (102 mm) Rigid Storz 1ST) 5.0" (127 mm) Rigid Storz 1SX) 6.0" (152 mm) Rigid Storz+	 	NT) 5.0" (127 mm) Threaded Swivel NX) 6.0" (152 mm) Threaded Swivel NY) 8.0" (203 mm) Threaded Swivel*		
	3SP) 4.0" (102 mm) Swivel Storz 3ST) 5.0" (127 mm) Swivel Storz 3SX) 6.0" (152 mm) Swivel Storz+	 			
	7NN) 3.5" (89 mm) Threaded Swivel 7NP) 4.0" (102 mm) Threaded Swivel 7NR) 4.5" (114 mm) Threaded Swivel 7NT) 5.0" (127 mm) Threaded Swivel	 			
	7HNP) 4.0" (102 mm) Threaded Swivel Handle 7HNR) 4.5" (114 mm) Threaded Swivel Handle 7HNT) 5.0" (127 mm) Threaded Swivel Handle 7HNX) 6.0" (152 mm) Threaded Swivel Handle	 			
	8NP) 4.0" (102 mm) Male Threaded Rigid 8NR) 4.5" (114 mm) Male Threaded Rigid 8NT) 5.0" (127 mm) Male Threaded Rigid 8NX) 6.0" (152 mm) Male Threaded Rigid	 			

AX* - - **RC**

(Choose Left or Right Side B/Side A suffix from table)
 Example: Left 4.0" (102 mm) Rocker Lug Female Swivel on Side B to a 6.0" NH (152 mm) Female Swivel on Side A would be

AXD 7 N P - N X - RC

+ All 6" Storz couplings have an adjustable seal compression feature.

Industrial Products Table of Contents

The Purple category includes industrial products 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.



ATEX APPROVED

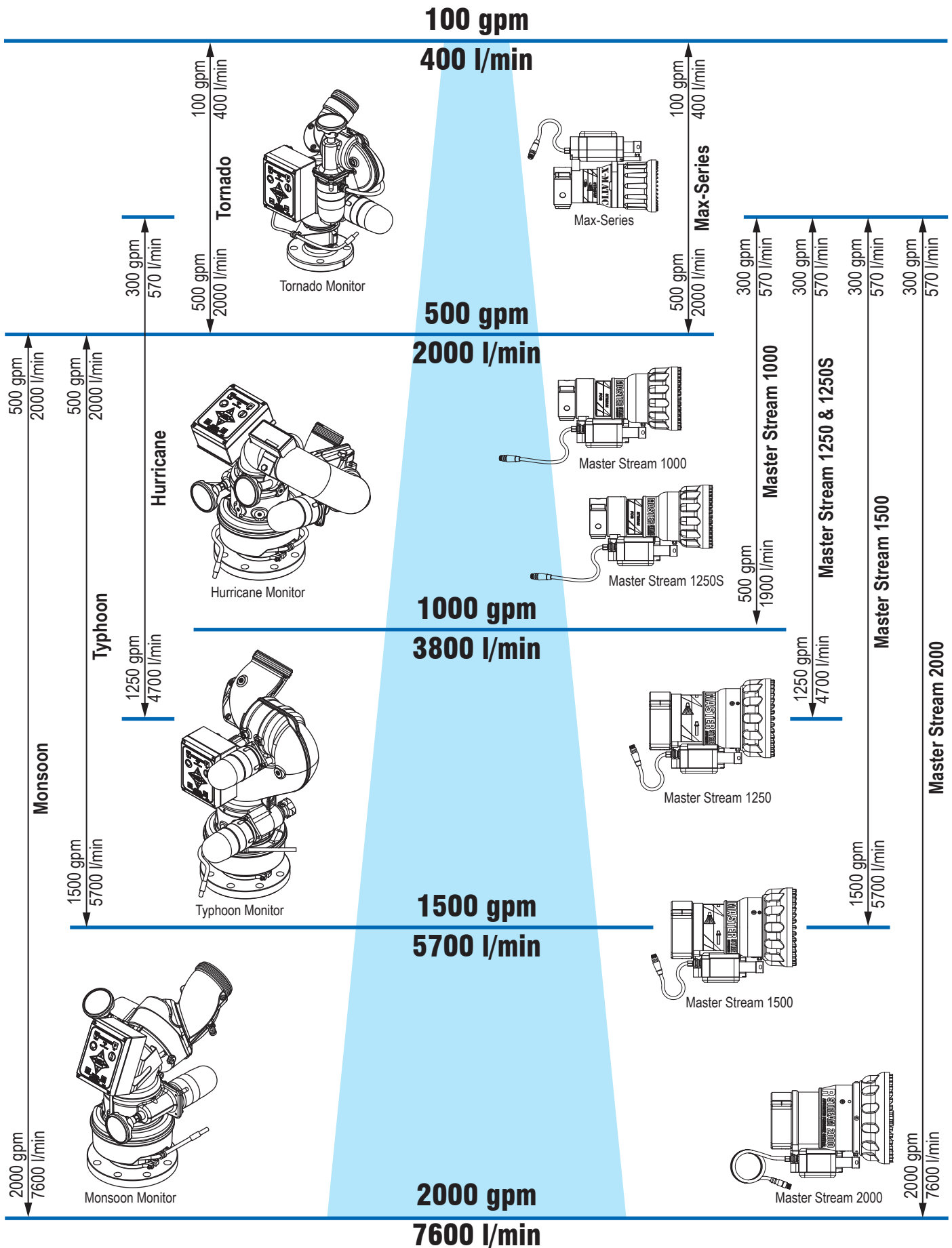
ATEX Approved RC Monitors and Nozzles	P2
ATEX RC Monitors	P3

STATION MONITOR

Protector Station Monitor	P4
Flanged Monitor Series	P5
Tornado OSC Series	P6

INDUSTRIAL

ZN, ZM, ZO Industrial Nozzles	P7
IVUM (Industrial Valve Under Monitor)	P8
HUM Hydrant Under Monitor.	P9 - P11
Booster and Booster OSC	P12 - P14
The Ultimate Combo.	P15
Quick Connect Inlet Adapters	P16
Quick Connect Elbow	P17



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



Y2-E

Inlet	Outlet
1) 2.5"-7.5 NH (64 mm) Female	1) 2.5"-7.5 NH (64 mm) Male
2) 2.5"-11 BSP (64 mm) Female	2) 2.5"-11 BSP (64 mm) Male
3) 2.0"-11 BSP (51 mm) Female	3) 1.5"-11 BSP (38 mm) Male
5) DN80, PN16 Flange	4) 1.5"-9 NH (38 mm) Male
6) 2.5" (64 mm) ANSI 150 Flange	
7) 2.5"-8 NPT (64 mm) Female	
8) 2.0"-11.5 NPT (51 mm) Female	
9) 3.0" -8 NPT (76 mm) Female	

A-A



XFIH-E

Inlet	Outlet
1) 3" (76 mm) ANSI 150	1) 2.5" - 7.5 NH (64 mm) Male
2) 4" (102 mm) ANSI 150*	2) 2.5" - 11 BSP (64 mm) Male
4) DN80, PN16 Flange	
5) DN100, PN16 Flange	
6) 3" NPT (76 mm) Female	
7) 4" NPT (102 mm) Female	
8) 3" BSP (76 mm) Male	
9) 4" BSP (102 mm) Male	

* Includes galvanic isolation sleeve

A-A



Y5-E

Inlet	Outlet
1) 3" (76 mm) ANSI 150 Flange	1) 3.5"-6 NH (89 mm) Male
2) 4" (102 mm) ANSI 150 Flange	2) 3.5"-11 BSP (89 mm) Male
5) DN100, PN16 Flange	4) 4.0"-11 BSP (102 mm) Male
6) 3" NPT (76 mm) Female	
7) 4" NPT (102 mm) Female	

A-A



Y4-E

Inlet	Outlet
1) 3" (76 mm) ANSI 150 Flange	1) 3.5"-6 NH (89 mm) Male
2) 4" (102 mm) ANSI 150 Flange	2) 3.5"-11 BSP (89 mm) Male
3) 6" (152 mm) ANSI 150 Flange	3) 3.5"-8 NPSH (89 mm) Male
4) DN80, PN16 Flange	4) 4.0"-11 BSP (102 mm) Male
5) DN100, PN16 Flange	5) 2.5" - 7.5 NH (64 mm) Male
6) 3" NPT (76 mm) Female	
7) 4" NPT (102 mm) Female	
8) 3" BSP (76 mm) Male	
9) 4" BSP (102 mm) Male	

A-A

PROTECTOR™ STATION MONITOR

Fixed Station Monitor flows up to 1250 GPM (4750 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 (4750 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.



- 2.5" (64 mm) threaded exit
- On/off valve
- See chart for specific inlet and outlet options

Z1111A
\$2540.00
35.20 lb (16.0kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart



- 2.5" (64 mm) threaded exit
- Without on/off valve
- See chart for specific inlet and outlet options

Z1211A
\$1910.00
27.80 lb (12.60kg)

SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart

Z11

Inlet -- Flange	Outlet -- Threaded
1) 3" (76 mm) ANSI 150	1) 2.5" (64 mm) - 7.5 NH
2) 4" (102 mm) ANSI 150*	2) 2.5" (64 mm) - 11 BSP
4) DN80, PN16	3) 2.5" (64 mm) - 11.5 NPSH
5) DN100, PN16	9) SPECIAL THREADS
* Includes galvanic isolation sleeve	

A

**OPTIONAL 6" (152 mm) x 4" (102 mm) FLANGE
INLET ADAPTER AA9FP-FX**

Z12

Inlet -- Flange	Outlet -- Threaded
1) 3" (76 mm) ANSI 150	1) 2.5" (64 mm) - 7.5 NH
2) 4" (102 mm) ANSI 150*	2) 2.5" (64 mm) - 11 BSP
4) DN80, PN16	3) 2.5" (64 mm) - 11.5 NPSH
5) DN100, PN16	9) SPECIAL THREADS
* Includes galvanic isolation sleeve	

A

**OPTIONAL 6" (152 mm) x 4" (102 mm) FLANGE
INLET ADAPTER AA9FP-FX**

INLET SPECIFICATIONS					
FITS FLANGE	OUTSIDE DIAMETER	THICKNESS	BOLT HOLE CIRCLE	NUMBER OF BOLTS	SIZE OF BOLTS
3" (76 mm) ANSI 125/150 DN80 PN20	7.50" (190.5 mm)	0.75" (19.1 mm)	6.00" (152.4 mm)	4	5/8" M16
4" (102 mm) ANSI 150 DN100 PN20	9.00" (228.6 mm)	0.94" (23.9 mm)	7.50" (190.5 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

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" (76 mm) ANSI 150 or 4" (102 mm) ANSI 150/DN100 PN16 inlet flange. The Flanged Oscillating Monitor operates between 20° either side of center, and

is adjustable to 90° up and 45° down relative to the flange. The maximum flow rate is 500 gpm (2000 l/min). The sweep can be set for a 20, 30, or 40° 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.

- Elbows and oscillator rotate and lock into position
- The oscillating outlet component can be rotated to allow oscillation motion side to side, up and down, or any angle in between.

XX-OSC--**

\$2790.00

21.0 lb (9.5 kg)

6.7" (17.0 cm) Height

7.4" (18.8 cm) Width

16.3" (41.4 cm) Depth



XX-OSC-

SIDE A - Inlet Flange	SIDE B - Outlet Threads
A) 3" (76 mm) ANSI 150 B) 4" (102 mm) ANSI 150/DN100 PN16	A) 2.5" (64 mm) NH B) 2.5" (64 mm) BSP C) 2.5" (64 mm) NPSH D) SPECIAL THREADS

OPTIONAL 6" (152 mm) x 4" (102 mm) FLANGE INLET ADAPTER AA9FP-FX

- The oscillating outlet component can be rotated to allow oscillation motion side to side, up and down, or any angle in between.
- Intended to be mounted to fixed piping structures

OSCILLATING MONITOR

XX-OM--**

\$1825.00

10.9 lb (4.9 kg)

10.4" (26.4 cm) Length

8.5" (21.6 cm) Width

7.1" (18.0 cm) Height



XX-OM-

SIDE A - Inlet	SIDE B - 2.5" (64 mm) NH Male Thread
BL) 3" (76 mm) BSP Male Thread FL) 3" (76 mm) ANSI 150 Flange PL) 3" (76 mm) NPT Male Thread	

The **FLANGED MONITOR MOUNT** is intended for mounting on fixed piping structures and is offered with a 3" (76 mm) ANSI 150 or 4" (102 mm) ANSI 150/DN100 PN 16 inlet flange. The elbow is

adjustable to 90° up and 45° down relative to the flange. Maximum flow rate is 500 gpm (2000 l/min).



XX--**

\$1030.00

11.5 lb (5.2kg)

6.7" (17.0 cm) Height

7.4" (18.8 cm) Width

5.9" (15.0 cm) Depth

- Elbows rotate and lock into position

XX-

SIDE A - Inlet Flange	SIDE B - Outlet Threads
A) 3" (76 mm) ANSI 150 B) 4" (102 mm) ANSI 150/DN100 PN16	A) 2.5" (64 mm) NH B) 2.5" (64 mm) BSP C) 2.5" (64 mm) NPSH D) SPECIAL THREADS

OPTIONAL 6" (152 mm) x 4" (102 mm) FLANGE INLET ADAPTER AA9FP-FX

TORNADO® OSC

Rated up to 500 gpm (2000 l/min), the TORNADO OSC is a truck-mounted or fixed installation monitor. The monitor outlet has 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 oscillation motion 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

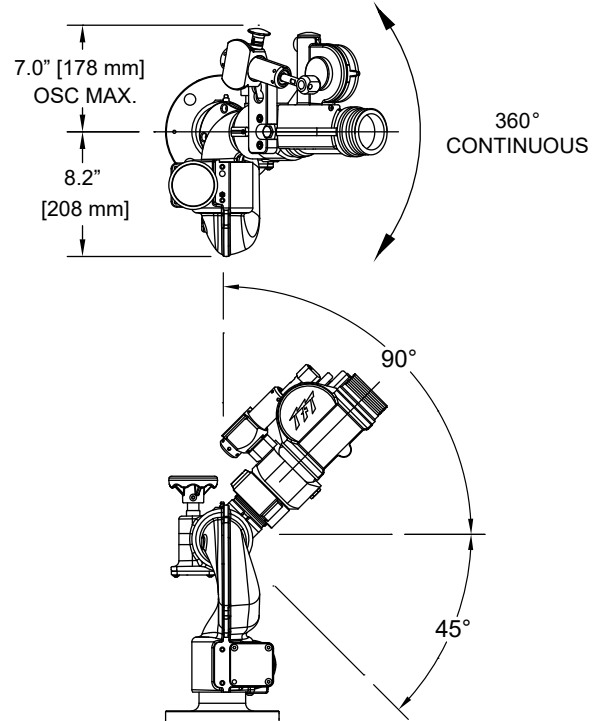
ground below the unit. The large knobs shall provide elevation control from 90° above horizontal to 45° below horizontal, and a full 360° continuous horizontal rotation. User installed travel limit stops shall be included. The monitor is constructed of hardcoat anodized aluminum alloy with a red powder coat finish inside and out. Various flange inlets are available (see chart below).



Y2-SF1A
\$2670.00
26.8 lb (12.2 kg)

- Oscillation can be quickly disengaged for manual aiming of stream
- Hardcoat anodized and powder coated for corrosion protection

SAMPLE PART NUMBER
Specify Inlet and Outlet by
number from chart



When ordering a TORNADO OSC, choose one option from each category.

For example: Model Y2-SF1A is a 3.0" (76 mm) ANSI 150 Inlet with a 2.5" NH (64 mm) Male Outlet. For assistance in ordering, please call 1-800-348-2686 and speak to a monitor specialist.

	SIDE A - Inlet Flange	SIDE B - Outlet Threads	
Y2-S			A
	D) 2.5" (64 mm) ANSI 150	1) 2.5" - 7.5 NH (64 mm) Male	
	F) 3.0" (76 mm) ANSI 150	2) 2.5" - 11 BSP (64 mm) Male	
	G) 4.0" (102 mm) ANSI 150/	3) 2.5" - 8 NPSH (64 mm) Male	
	DN100 PN16	9) SPECIAL 2.5" (64 mm) Male	

ZN INDUSTRIAL NOZZLES

The TFT 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 250, 350, 500, or 750 gpm (950, 1300, 2000, 3000 l/min). Fog angle is user adjustable between 120° 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 (64

mm) female thread. The simple and basic design requires minimal maintenance. The rubber bumper is UV resistant. The fixed gpm water nozzle is hardcoat anodized aluminum. The fixed flow nozzle can be used with water or premixed foam solution. For assistance in ordering, please call 1-800-348-2686 and speak to a nozzle specialist.



- Rubber bumper
- Choose one option from each category

ZN11A
\$625.00
 4.50 lb (2.00 kg)
 6.00" (15.20 cm)

SAMPLE PART NUMBER
 Specify Thread and Flow
 by number from chart

ZN

THREADS (Rigid)	FLOW
1) 2.5"-7.5 NH FEMALE	0) 250 GPM @ 100 PSI — K-factor = 25 (950 l/min @ 7 bar)
2) 2.5"-11 BSP FEMALE	1) 350 GPM @ 100 PSI — K-factor = 35 (1300 l/min @ 7 bar)
3) 2.5"-11.5 NPSH FEMALE	2) 500 GPM @ 100 PSI — K-factor = 50 (2000 l/min @ 7 bar)
4) 2.5" CODE-AT (CSA)	3) 750 GPM @ 100 PSI — K-factor = 75 (3000 l/min @ 7 bar)
(2.5" = 64 mm)	4) User Specified K-factor = 15 - 75

A

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.



- Large ribs for stream pattern adjustment
- Choose one option from each category

ZM131
\$885.00
 7.20 lb (3.30 kg)
 8.80" (22.40 cm)

SAMPLE PART NUMBER
 Specify Thread and Flow
 by number from chart

ZM

THREADS (Rigid)	FLOW
1) 2.5"-7.5 NH FEMALE	1) 500 GPM @ 100 PSI — K-factor = 50 (2000 l/min @ 7 bar)
2) 2.5"-11.5 NPSH FEMALE	2) 750 GPM @ 100 PSI — K-factor = 75 (3000 l/min @ 7 bar)
3) 2.5"-11 BSP FEMALE	3) 1000 GPM @ 100 PSI — K-factor = 100 (4000 l/min @ 7 bar)
(2.5" = 64 mm)	4) 1250 GPM @ 100 PSI — K-factor 125 (4750 l/min @ 7 bar)
	9) User Specified K-factor = 50 - 125

1

ZO INDUSTRIAL NOZZLES

The TFT 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 gpm (4750, 5500, 6500, 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 (89 mm) female thread. The simple and basic design requires minimal maintenance. The nozzle is Powder Coated and hardcoat anodized aluminum. It can be used with water or premixed foam solution.



- Folding handles for stream adjustment
- Locking ring for stream pattern position
- Choose one option from each category

ZO12
\$1250.00
 22.00 lb (10.0 kg)
 11.60" (29.5 cm)

SAMPLE PART NUMBER
 Specify Thread and Flow
 by number from chart

ZO


THREADS (Rigid)	FLOW
1) 3.5"-6 NH FEMALE	1) 1250 GPM @ 100 PSI - K-factor = 125 (4750 l/min @ 7 bar)
2) 3.5"-11 BSP FEMALE	2) 1500 GPM @ 100 PSI - K-factor = 150 (5500 l/min @ 7 bar)
(3.5" = 89 mm)	3) 1750 GPM @ 100 PSI - K-factor = 175 (6500 l/min @ 7 bar)
	4) 2000 GPM @ 100 PSI - K-factor = 200 (7500 l/min @ 7 bar)
	9) User Specified K-factor = 125 - 200

IVUM INDUSTRIAL VALVE UNDER MONITOR™

The 4" (102 mm) Industrial Valve Under Monitor (IVUM) is a robust, low friction loss slow close valve intended for installation directly beneath monitors on standpipes with 4" (102 mm) ANSI 150 or DN 100 PN16 flange connections. Maximum operation pressure is 300 psi (21 bar). Dual reflective valve position indicators allow 360° visual confirmation from a distance in most light conditions. The inlet flange, half ball and valve seat retainer are available in either hard anodized aluminum or 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.




SIDE B

FM APPROVED

- Hand crank valve control
- Dual reflective valve position indicators

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

FM Approved for use with FM Approved Monitors



SIDE B

- Electric remote valve control
- Manual override knob
- Single reflective valve position indicator
- Electronic interface box included


Dimensional Maximum ZAA-RC**
31.1 lb (14.1 kg)
10.1" (25.7 cm) Height
12.7" (32.3 cm) Width
13.6" (33.8 cm) Depth

Aluminum 4" (102 mm) ANSI 150 inlet

ZAA	Drain Option	SIDE B OUTLET		-RC*	
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, Monsoon or Hurricane Monitor	\$1645.00	*Optional Electric Remote with interface box (omit for manual models)	\$3550.00
		1) CODE-RPM male threaded outlet 3) 4" (102 mm) ANSI 150 Flange 5) 3" (76 mm) ANSI 150 Flange Q) 4.5" NH (114 mm) Quick Connect for Large Monitors T) 2.5" NH (64 mm) Quick Connect for Tornado V) For Integrated Tornado Monitor (no coupling)	\$1825.00	*Optional Electric Remote with interface box (omit for manual models)	\$3740.00

AA9FL-FP Aluminum SIDE A adapter to use ZAA models on 3" (76 mm) ANSI 150 standpipes. Height is 2" (51 mm). Not recommended for ZAS models. **\$218.00**

AA9FP-FX - Aluminum SIDE A adapter to use ZAA models on 6" (152 mm) ANSI 150 standpipes. Height 2.0" (51 mm). Not recommended for ZAS models. **\$280.00**




SIDE B

FM APPROVED

- Hand crank valve control
- Dual reflective valve position indicators

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

FM Approved for use with FM Approved Monitors



SIDE B

- Electric remote valve control
- Manual override knob
- Single reflective valve position indicator
- Electronic interface box included

Dimensional Maximum ZAS-RC**
42.2 lb (19.1 kg)
10.1" (25.7 cm) height
12.7" (32.3 cm) width
13.3" (33.8 cm) depth

Stainless Steel 4" (102 mm) ANSI 150 inlet

ZAS	Drain Option	SIDE B OUTLET		-RC*	
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, Monsoon or Hurricane Monitor	\$1990.00	*Optional Electric Remote with interface box (omit for manual models)	\$3895.00
		1) CODE-RPM male threaded outlet 3) 4" (102 mm) ANSI 150 Flange 5) 3" (76 mm) ANSI 150 Flange Q) 4.5" NH (114 mm) Quick Connect for Large Monitors T) 2.5" NH (64 mm) Quick Connect for Tornado V) For Integrated Tornado Monitor (no coupling)	\$2155.00	*Optional Electric Remote with interface box (omit for manual models)	\$4070.00

HUM HYDRANT UNDER MONITOR™

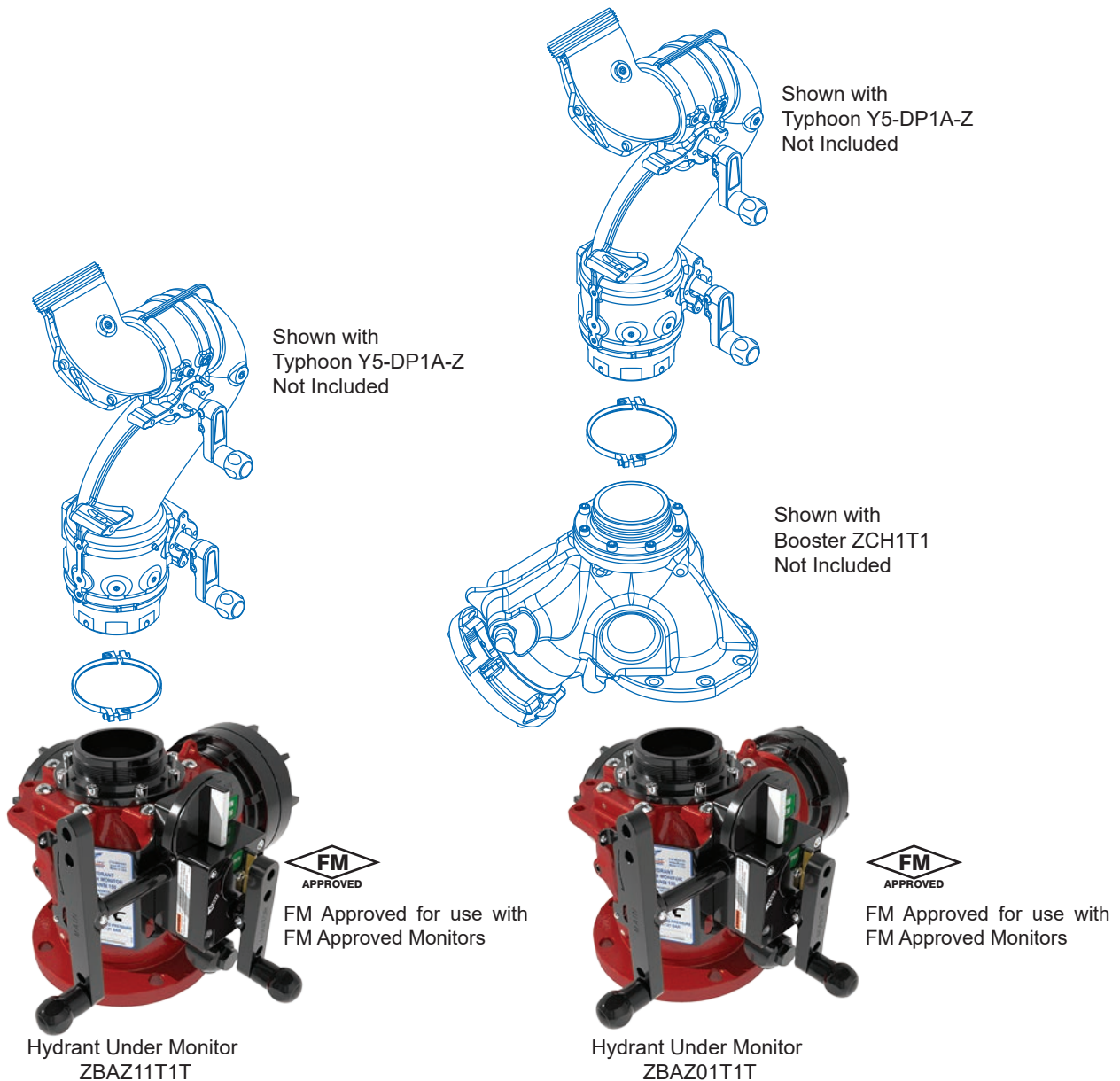
The Hydrant Under Monitor (HUM) adds two versatile full flow LDH ports to the robust features of the Industrial Valve Under Monitor. Maximum operating pressure is 300 psi (21 bar). Two concentric slow-close half ball valves allow the monitor to be operated either independently or simultaneously with the LDH ports. The main shut-off valve has a huge 5.25" (133 mm) waterway, located immediately above the 6" (152 mm) 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 most light conditions. The cast aluminum valve body and all structural 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" up to 6.0" (38 to 152 mm). 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.

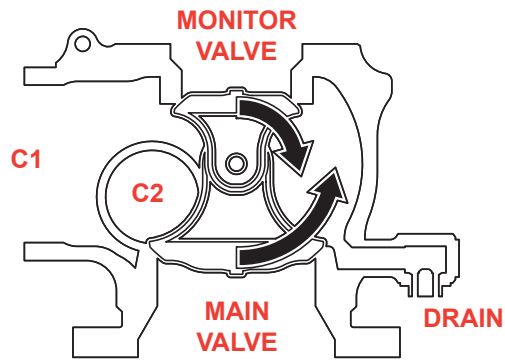
For further versatility, the Booster can be mated between the HUM and monitor to allow pressure to be boosted using a pump or foam to be introduced. Choose side B option 0 (zero) for this option and see pages P12-P13 for Booster options.

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 shut-off 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.

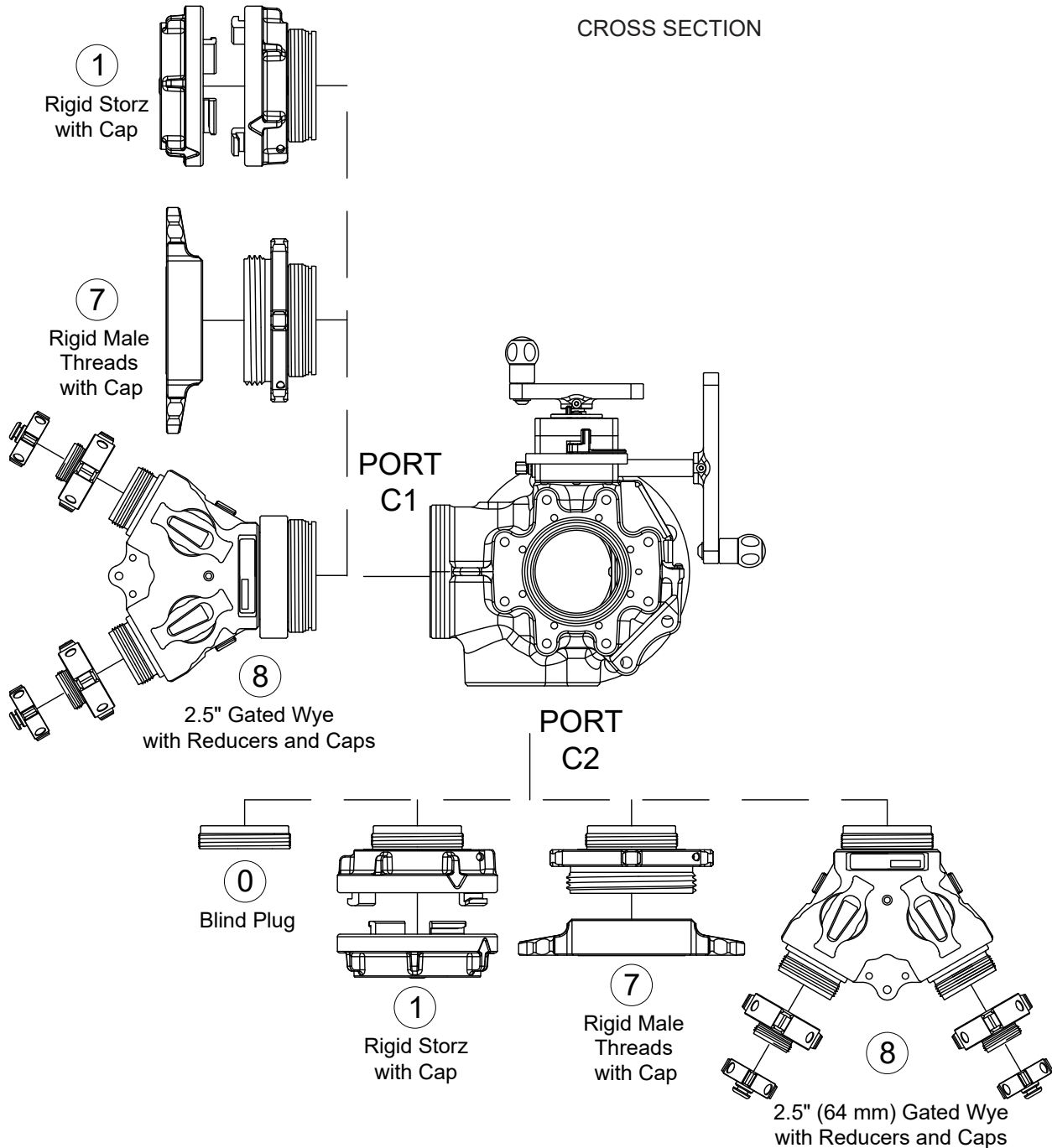


SAMPLE PART NUMBERS

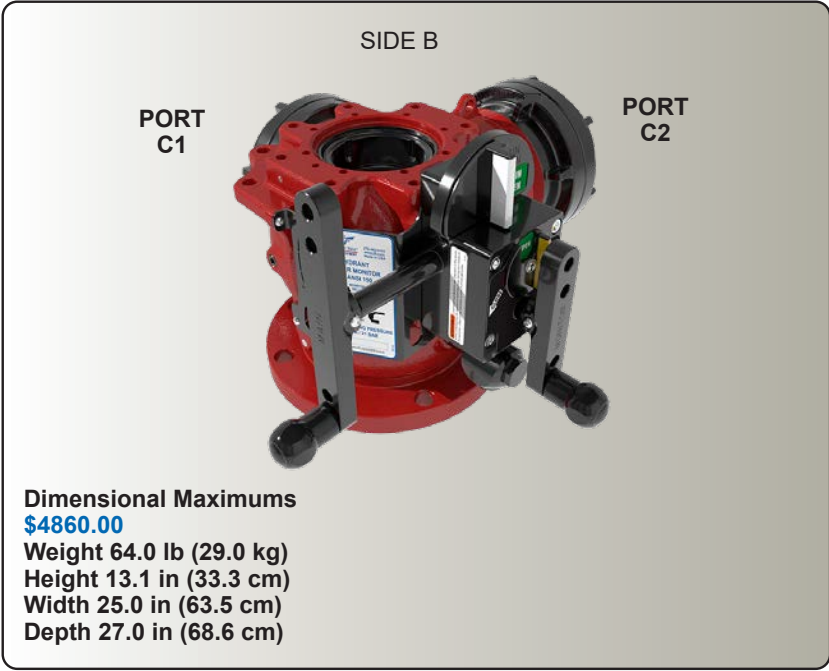
Specify Drain, Outlet, and Port Options from chart on following pages.



CROSS SECTION



HUM HYDRANT UNDER MONITOR™



AUXILIARY PORT SPECIFICATIONS AND PRICING For Ports C1 & C2	
0) Blind Plug (port C2 only)	N/C
1) Rigid Storz (includes cap)	N/C
7) Rigid Male Threads (includes cap)	N/C
8) 2.5" (64 mm) Gated Wye (includes 2.5" x 1.5" (64 mm x 38 mm) reducers and 1.5"NH (38 mm) caps)*	N/C

* Slow close option available

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" (102 mm) ANSI 150 Flange Q) 4.5" NH (114 mm) Quick Connect T) 2.5" NH (64 mm) Quick Connect V) For Integrated Tornado Monitor (no coupling)	STYLE 1) Rigid Storz 7) Rigid Male Threads 8) 2.5" (64 mm) Gated Wye (Size J Only)	SIZE J) 2.5" (64 mm) N) 3.5" (89 mm) P) 4.0" (102 mm) R) 4.5" (114 mm) T) 5.0" (127 mm) X) 6.0" (152 mm)	STYLE 0) Blind Plug* 1) Rigid Storz 7) Rigid Male Threads 8) 2.5" (64 mm) Gated Wye (Size J Only)	SIZE 0) N/A* J) 2.5" (64 mm) N) 3.5" (89 mm) P) 4.0" (102 mm) R) 4.5" (114 mm) T) 5.0" (127 mm)

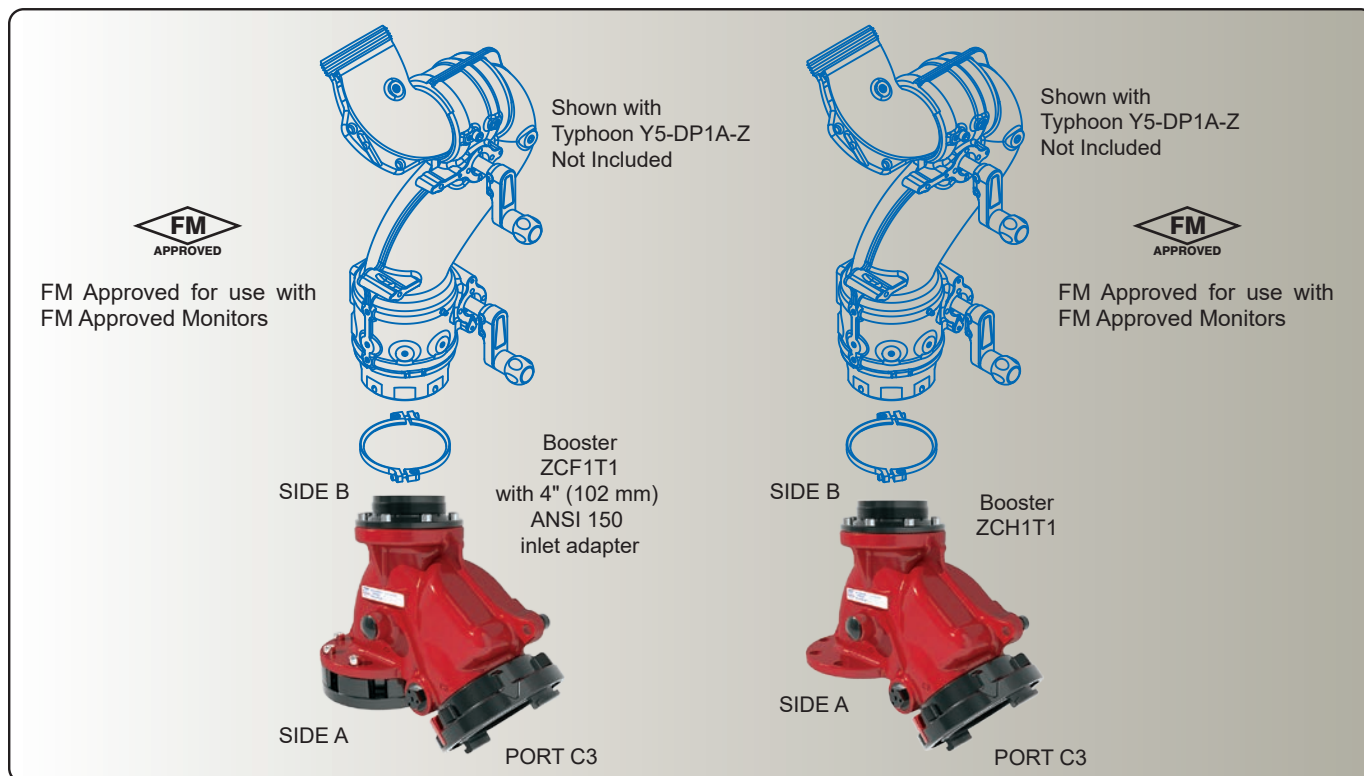
*Port C2 Blind plug requires "00" (two zeros), one for Style and one for Size.
All 6" Storz couplings have an adjustable seal compression feature.

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" (89 mm) up to 6.0" (152 mm). 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" or 4" (76 or 102 mm) 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 aluminum body and all structural 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 (0.3 bar), thus minimizing susceptibility to damage from corrosion and freezing water.

See next page for ordering information.



BOOSTER™ OSC

The Booster OSC adds the capability to oscillate a TFT monitor horizontally up to 120° 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 2000 gpm (3800 to 7600 l/min), supplied either from the main inlet or secondary inlet of the Booster. Oscillating sweep angle can be adjusted from zero to 120° in 10° 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" (12 mm)

hex tool. 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.

See page P14 for ordering information.





FM Approved for use with
FM Approved Monitors



Booster ZCF1T1
Shown With 4" (102 mm)
ANSI 150
Inlet Adapter

• **OPTIONAL 6" (152 mm) x
4" (102 mm) FLANGE INLET
ADAPTER AA9FP-FX**

All 6" Storz couplings have an
adjustable seal compression feature.

**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
\$1770.00

Booster for direct-connection to HUM or IVUM and TFT Monitor

Port C3 Relay Inlet		Side B outlet
Style	Size	
1) Storz Rigid w/ Cap	N) 3.5" (89 mm) T) 5" (127 mm)	1) CODE-RPM for TFT monitor integration
4) Female Rocker Lug (NFS)	P) 4" (102 mm) X) 6" (152 mm)	Q) 4.5" NH (114 mm) Quick Connect for Lg. Monitors
	R) 4.5" (114 mm)	T) 2.5" NH (64 mm) Quick Connect for Tornado
		V) Integrated Tornado (no coupling)

**Dimensional Maximum
ZCH**3**

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
\$1770.00

Booster for direct connection to HUM or IVUM; 4" ANSI 150 flange outlet

Port C3 Relay Inlet		Side B outlet
		3
Style	Size	
1) Storz Rigid w/ Cap	N) 3.5" (89 mm) T) 5" (127 mm)	3) 4" (102 mm) ANSI 150 Flange
4) Female Rocker Lug (NFS)	P) 4" (102 mm) X) 6" (152 mm)	
	R) 4.5" (114 mm)	

**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
\$1770.00

Booster with 4" ANSI 150 flange inlet adapter and direct-connection to TFT Monitor

Port C3 Relay Inlet		Side B outlet
Style	Size	
1) Storz Rigid w/ Cap	N) 3.5" (89 mm) T) 5" (127 mm)	1) CODE-RPM for TFT monitor integration
4) Female Rocker Lug (NFS)	P) 4" (102 mm) X) 6" (152 mm)	Q) 4.5" NH (114 mm) Quick Connect for Lg. Monitors
	R) 4.5" (114 mm)	T) 2.5" NH (64 mm) Quick Connect for Tornado

**Dimensional Maximum
ZCF**3**

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
\$1770.00

Booster with 4" ANSI 150 flange inlet adapter and 4" ANSI 150 flange outlet

Port C3 Relay Inlet		Side B outlet
		3
Style	Size	
1) Storz Rigid w/ Cap	N) 3.5" (89 mm) T) 5" (127 mm)	3) 4" (102 mm) ANSI 150 Flange
4) Female Rocker Lug (NFS)	P) 4" (102 mm) X) 6" (152 mm)	
	R) 4.5" (114 mm)	

**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
\$1770.00

Booster with 3" ANSI 150 flange inlet adapter and direct-connection to TFT Monitor

Port C3 Relay Inlet		Side B outlet
Style	Size	
1) Storz Rigid w/ Cap	N) 3.5" (89 mm) T) 5" (127 mm)	1) CODE-RPM for TFT monitor integration
4) Female Rocker Lug (NFS)	P) 4" (102 mm) X) 6" (152 mm)	Q) 4.5" NH (114 mm) Quick Connect for Lg. Monitors
	R) 4.5" (114 mm)	T) 2.5" NH (64 mm) Quick Connect for Tornado

**Dimensional Maximum
ZCG**3**

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
\$1770.00

Booster with 3" ANSI 150 flange inlet adapter and 4" ANSI 150 flange outlet

Port C3 Relay Inlet		Side B outlet
		3
Style	Size	
1) Storz Rigid w/ Cap	N) 3.5" (89 mm) T) 5" (127 mm)	3) 4" (102 mm) ANSI 150 Flange
4) Female Rocker Lug (NFS)	P) 4" (102 mm) X) 6" (152 mm)	
	R) 4.5" (114 mm)	



- OPTIONAL 6" (152 mm) x 4" (102 mm) **FLANGE INLET ADAPTER AA9FP-FX**

All 6" Storz couplings have an adjustable seal compression feature.

**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
\$4765.00

Booster OSC for direct connection to HUM or IVUM

Port C3 Relay Inlet		Side B outlet
		-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89 mm) T) 5" (127 mm) P) 4" (102 mm) X) 6" (152 mm) R) 4.5" (114 mm)	-OSC) Accepts TFT monitor with option W swivel base

**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
\$4765.00

Booster OSC with 4" (102 mm) ANSI 150 flange inlet adapter

Port C3 Relay Inlet		Side B outlet
		-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89 mm) T) 5" (127 mm) P) 4" (102 mm) X) 6" (152 mm) R) 4.5" (114 mm)	-OSC) Accepts TFT monitor with option W swivel base

**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
\$4765.00

Booster OSC with 3" (76 mm) ANSI 150 flange inlet adapter

Port C3 Relay Inlet		Side B outlet
		-OSC
Style 1) Storz Rigid w/ Cap 4) Female Rocker Lug (NFS)	Size N) 3.5" (89 mm) T) 5" (127 mm) P) 4" (102 mm) X) 6" (152 mm) R) 4.5" (114 mm)	-OSC) Accepts TFT monitor with option W swivel base

THE ULTIMATE COMBO

Task Force Tips Ultimate Combo is the superior solution to industrial fire protection. Combining innovative components into a versatile, high flow protection and suppression system, the Ultimate Combo is highly customizable. The system includes the Hydrant Under Monitor, a dual valve system to control incoming water from either the water main, or side inlets, with the second valve controlling flow to the monitor. Many sizes of LDH connections, as well as high flow gated wye discharges are available. The Booster OSC is supplied by the main inlet or the secondary inlet, and the water turbine allows up to 120° of horizontal monitor sweep, with all water exiting the nozzle, not expelling on the ground. Oscillating sweep angle

can be adjusted from 0° to 120° in 10° increments any time while stationary or flowing. The flow efficient Typhoon monitor can be easily adjusted for rotation and elevation with the aluminum hand cranks. The ZO Series industrial nozzle provides superior stream performance in straight stream or any fog pattern. All components are hardcoat anodized, with powder coated castings and stainless steel hardware for corrosion resistance and durability. The Ultimate Combo is foam compatible. For assistance in specifying and ordering, please call 800-348-2686 to speak to our hydraulics specialists.



ULTIMATE COMBO

CHOICE OF COMPATIBLE ZO INDUSTRIAL NOZZLE



- 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 pages P7)

CHOICE OF COMPATIBLE TYPHOON MANUAL MONITOR



- Flows up to 1500 gpm (6000 l/min)
- Operating pressure 200 psi (14 bar)
- Only 19 psi (1.3 bar) loss
- Hardcoat anodized aluminum (see page B44)

CHOICE OF COMPATIBLE BOOSTER / BOOSTER OSC*



- Sweeps 0 - 120° in 10° increments
- Operating at 1000 to 2000 gpm
- All water exits the monitor nozzle
- Hardcoat anodized aluminum

*Only BOOSTER, NOT OSC is FM approved
(see pages P12, P14)

CHOICE OF COMPATIBLE HYDRANT UNDER MONITOR



FM Approved for use with
FM Approved Monitors

- Adds two full flow LDH ports
- Maximum operating pressure 300 psi (21 bar)
- Two slow close shut-off valves allow independent or simultaneous operation
- Main valve has a 5.25" (133 mm) Waterway
- Cast aluminum valve body and all structural aluminum components are hard anodized
- Two standard automatic drains (see pages P9-P11)

QUICK CONNECT INLET ADAPTERS

Inlet adapters have 4.5"NH (114mm) 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 (114mm) 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).



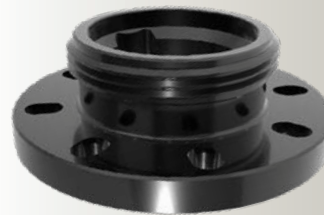
YQC-TP
\$345.00
 Inlet Adapter 4"NPT Female
 2.30 lb (1.00 kg)
 3.20" (8.10 cm) Height
 5.7" (14.5 cm) OD



YQC-RLF
\$345.00
 Inlet Adapter CODE-RLF
 For 3" Extend-A-Gun
 (manual & RC3)
 2.00 lb (0.90 kg)
 3.20" (8.10 cm) Height
 5.7" (14.5 cm) OD



YQC-RPF
\$345.00
 Inlet Adapter CODE-RPF
 For 4" Extend-A-Gun RC4
 2.00 lb (0.90 kg)
 3.00" (8.10 cm) Height
 5.7" (14.5 cm) OD



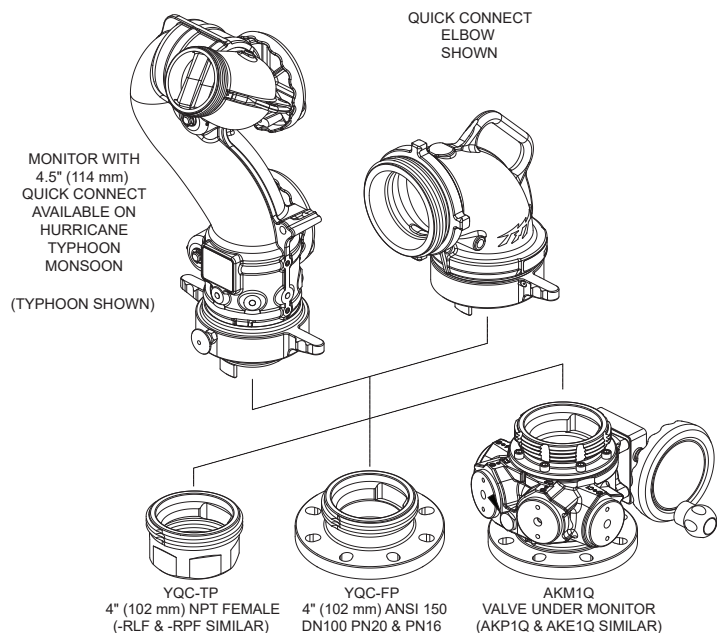
YQC-FP
\$345.00
 Inlet Adapter 4"ANSI 150
 Also fits DN100 PN20 & PN16
 5.90 lb (2.60 kg)
 3.20" (8.10 cm) Height
 9.0" (23.0 cm) OD

ALSO AVAILABLE:

Valve Under Monitor with 4.5" (114 mm)
 Quick Connect

See Valve Under Monitor section,
 Items AKM1Q, AKP1Q and AKE1Q

See IVUM section, Items ZAADQ,
 ZAAZQ, ZASDQ, ZASZQ, ZAADQ-RC,
 ZAAZQ-RC, ZASDQ-RC, ZASZQ-RC



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 (6 mm) port may be drilled through to add pressure gauge or bleeder.

Constructed of hardcoat anodized aluminum alloys, with Powder Coat finish inside and out on the elbow casting for maximum corrosion protection. Maximum operating pressure is 300 psi (21 bar).




SIDE B

Dimensional Maximum
AF5QNR-NX
\$775.00
19.00 lb (8.60 kg)
12.6" (32.1 cm) Height
8.5" (21.7 cm) Width
13.20" (33.60 cm) Depth

SIDE A

AF5		SIDE A - Female Swivel NH
		4.5" (114 mm) Quick Connect
SIDE B - Male NH	4.0" (102 mm) Threaded	AF5QNR-NP
	4.5" (114 mm) Threaded	AF5QNR-NR
	5.0" (127 mm) Threaded	AF5QNR-NT
	6.0" (152 mm) Threaded	AF5QNR-NX



SIDE B

Dimensional Maximum
AF9QNR-SX
\$775.00
19.00 lb (8.60 kg)
12.6" (32.1 cm) Height
8.5" (21.7 cm) Width
13.20" (33.60 cm) Depth

SIDE A

AF9		SIDE A - Female Swivel NH
		4.5" (114 mm) Quick Connect
SIDE B - Rigid Storz	4.0" (102 mm) Storz	AF9QNR-SP
	5.0" (127 mm) Storz	AF9QNR-ST
	6.0" (152 mm) Storz+	AF9QNR-SX

+All 6" Storz couplings have an adjustable seal compression feature.

Access TFT's Interactive Apparatus Buyer's Guide



A Resource to Help
Fire Departments
Make Informed
Decisions

- Learn how to properly deliver foam
- Custom configure a BIV (Ball Intake Valve)
- See options for LDH and Water Supply
- Find the right nozzle for your tactics and discover your true flow rates

A Resource to Help
Fire Departments
Make Informed
Decisions

Monitors and
Accessories
• Brush and Wildfire
• Bumper Turrets

Click here to download the Apparatus Buyer's Guide

REPAIR KITS

1.0" Twister, QuadraFog, and D75 Series Ball Valves

D10-KIT	1.0" Twister Front End Seat/Seal Kit	\$51.00
D75-KIT	1.0" Rear Valve Seat Kit	\$23.00
D75-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)	\$92.00
D75-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)	\$102.00

1.5" Twister, QuadraFog, QuadraCup, and F100 Series Ball Valves

F20-KIT	1.5" Twister Front End Seat/Seal Kit	\$57.00
F100-KIT	1.5" Rear Valve Valve Rear Seat Kit	\$23.00
F100-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)	\$92.00
F100-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)	\$112.00

1.5" and 2.5" ThunderFog, F140 and J140 Ball Valve Series

F140-KIT	Valve Rear Seat Kit	\$23.00
F140-HDL	Bail Handle & Valve Seat Kit (NO Mandrel)	\$92.00
F140-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)	\$134.00
J140-KIT	2.5" Rear Valve Seat Kit	\$23.00
J140-HRK	Bail Handle & Valve Seat Kit (Incl. Mandrel)	\$141.00

Bubble Cup SERIES

D285-KIT	1.0" Bubble Cup Stream Shaper Kit	\$132.00
F685-KIT	1.5" Bubble Cup Stream Shaper Kit	\$153.00
F675-KIT	QuadraCup Aluminum Stream Shaper Kit	\$121.00
F675-UPGRADE	QuadraCup Aluminum Sleeve Upgrade	\$280.00

ULTIMATIC SERIES - Manufactured After 1983

B950-KIT	Bail Handle Kit (Metal)	\$65.00
B955-KIT	Bail Handle Kit (Manuf After 8/05)	\$29.00
B960-KIT	Valve Seal Kit	\$12.00
B880-KIT	Stream Shaper Kit	\$66.00

MIDRANGE SERIES

HM960-KIT	Nozzle Seal Kit	\$12.00
HM840-KIT	100 PSI Control Unit	\$112.00
HM840-75-KIT	75 PSI Control Unit	\$112.00
HMD840-KIT	Dual Pressure Control Unit 100/55 PSI	\$193.00
HM997N-KIT	1.5 NH Coupling Kit	\$39.00
HM997I-KIT	1.5 NPSH Coupling Kit	\$39.00
HM590-KIT	-V and -VPGI Valve Plug	\$21.00
HM592-KIT	STO Valve Plug	\$21.00
HM950-KIT	Bail Handle Kit	\$27.00
HM880-KIT	Stream Shaper Kit	\$67.00

HANDLINE SERIES

(manufactured after 1983 to current)

H994I-KIT	1.5" NPSH Coupling Kit	\$39.00
H994N-KIT	1.5 NH Coupling Kit	\$39.00
H880-KIT	Stream Shaper Kit	\$80.00
H960-KIT	Valve Seal Kit	\$46.00
P920-KIT	Playpipe Handle/Hdw Kit	\$100.00
HX950-KIT	Bail Handle Kit (Replaces Metal Handle)	\$56.00

(manufactured after Jan 01, 2004)

HX840-75-KIT	Pressure Control Unit 75 PSI	\$191.00
HX840-KIT	Pressure Control Unit 100 PSI	\$191.00
HXD830-KIT	Dual Pressure Knob 100 PSI	\$67.00
HXD830-75KIT	Dual Pressure Knob 75 PSI	\$67.00
HXD840-KIT	Dual Pressure Control Unit 100/55 PSI	\$170.00
HXDL840-KIT	Dual Pressure Control Unit 75/45 PSI	\$170.00

H-VO VALVES

P690-KIT	Ball Valve Repair Kit	\$30.00
----------	-----------------------	---------

HANDLINE SERIES UPGRADE KITS (manufactured between 1985 to 2003)

Single Pressure

HX-100-KIT	95-300 GPM @ 100 PSI	\$455.00
HX-75-KIT	95-250 GPM @ 75 PSI	\$455.00
HX-55-KIT	95-225 GPM @ 55 PSI	\$455.00

Dual Pressure

HXD-100-KIT	95-300 GPM @ 100/55 PSI (dual pressure)	\$455.00
HXD-75-KIT	95-250 GPM @ 75/45 PSI (dual pressure)	\$455.00

EXTEND-A-GUN SERIES

XG840-KIT	Manual ExtendMANUAL EXTEND-A-GUN REED SWITCH	\$18.00
XGA840-KIT	RC3 EXTEND-A-GUN REED SWITCH (made before June 2009)	\$18.00
XGA841-KIT	RC4 EXTEND-A-GUN REED SWITCH (made before June 2009)	\$18.00
XGE695-KIT	RC EXTEND-A-GUN REED SWITCH (made after June 2009)	\$35.00
XGE690-KIT	RC EXTEND-A-GUN DRIVE BOX Repair Kit (6/1/09 and newer)	\$405.00

LDH SERVICE KITS

A1520-KIT	AB, AC, and ABS Series BIV Valve Seat Kit	\$67.00
A1520-CRK	BIV Complete Rebuild Kit	\$91.00
A1082-KIT	AX, AP, and AQ Series Jumbo BIV Valve Seat Kit	\$67.00
A1082-CRK	Jumbo BIV Complete Rebuild Kit	\$91.00
A1621-KIT	Vent Drain Kit - Lever Style	\$56.00
A1633-KIT	Parallel Shaft Gear Box Kit	\$255.00
A1890NJ	Pressure Relief Valve Test Kit – Flanged	\$148.00
A1891NJ	Pressure Relief Valve Test Kit – Threaded	\$148.00
AX1690-KIT	BIV RC Upgrade	\$1655.00
AX1691-KIT	Gauge Kit For AX Series Jumbo BIV 0-200 PSI	\$77.00
A4178-KIT	Storz lever lock alum upgrade kit - 4"	\$72.00
A4179-KIT	Storz lever lock alum upgrade kit - 5"	\$72.00
THA401-ST	Retaining Strip Removal Tool	\$16.50
THA406-KIT	BIV Seat Tool	\$275.00
AM-BAND-KIT	Suction Hose Repair Kit	\$401.00
A1410-KIT	Suction Screen 5"	\$56.00
A1411-KIT	Suction Screen 6"	\$74.00
JET-ELBOWKIT	Jet Siphon Elbow Upgrade Kit	\$191.00
JET-NF-KIT	JET SIPHON FIELD CONVERSION KIT	\$325.00
A4215	4" (102 mm) Storz pressure gasket	CALL
A4216	4" (102 mm) Storz suction gasket	CALL
A4220	5" (127 mm) Storz pressure gasket	CALL
A4221	5" (127 mm) Storz suction gasket	CALL
A4274	6" (152 mm) Storz pressure gasket	CALL
A4273	6" (152 mm) Storz suction gasket	CALL
PRV-KIT	PRV Field Rebuild Kit Without Galvanic Insulator	\$61.00
PRV-G-KIT	PRV Field Rebuild Kit With Galvanic Insulator	\$87.00

INTEGRAL SMOOTH BORE ORIFICE REPLACEMENT

P116-KIT	Stream Straightener 1-1/2"	\$34.00
HVIT1-KIT	VIT Ball Valve Outlet 7/8"	\$143.00
HVIT2-KIT	VIT Ball Valve Outlet 15/16"	\$143.00
HVIT3-KIT	VIT Ball Valve Outlet 1"	\$143.00
HVIT4-KIT	VIT Ball Valve Outlet 1-1/8"	\$143.00
HVIT5-KIT	VIT Ball Valve Outlet 1-1/4"	\$143.00
HVIT6-KIT	VIT Ball Valve Outlet 1-3/8"	\$143.00
HVIT7-KIT	VIT Ball Valve Outlet 1-3/16"	\$143.00
HVIT8-KIT	VIT Ball Valve Outlet 1-1/16"	\$143.00

REPAIR KITS

VALVE UNDER MONITOR SERIES

AY321-KIT	Aluminum Long Handle 4.75" swing radius	\$64.00
AY322-KIT	Aluminum T-Handle 2.25" swing radius	\$71.00

LUBRICANTS

VSA-101	Dow 112 Grease 5.3 Oz Tube	\$17.75
VSA-110	Breakfree 4 Oz Aerosol	\$10.98
VSA-112	Breakfree 12 Oz Aerosol	\$15.50
H-LUBE-KIT	Nozzle Lubrication Kit	\$ 59.00

2.5" GATED WYE

AY175-KIT	200 PSI Gauge Kit For Ay Series 2.5" Gated Wye	\$82.00
AY176-KIT	300 PSI Gauge Kit for AY Series 2.5" Gated Wye	\$82.00
A1621-KIT	Vent Drain Kit - Lever Style	\$56.00
AY970-KIT	Slow Close Valve Kit	CALL

CROSSFIRE - BLITZFIRE

X170-KIT	Crossfire Rotation Lock Insert Kit	\$17.00
X455-KIT	Crossfire Tie Down Strap	\$73.00
X960-KIT	Crossfire Spike Replacement Kit	\$66.00
XX482-KIT	Blitzfire Spike Replacement Kit	\$42.00
XX830-KIT	Elevation Swivel Clutch Assembly	\$94.00
XX910-KIT	Blitzfire Trip Mechanism Kit	\$87.00
XX-STRAP-KIT	Blitzfire Tie Down Strap	\$44.00
XF400-KIT	Crossfire Truck Mount Block	\$300.00

EDUCTOR

UE960-KIT	Cam Lock Adaptor	\$65.00
-----------	------------------	---------

MONITORS

TETHER01-KIT	Stacked Tips Tether Kit	\$62.00
--------------	-------------------------	---------

PRO/pak

U230-KIT	PRO/pak Knob Repair Kit	\$72.00
----------	-------------------------	---------

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 online at 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	\$12.00
HM925BLU-KIT	BLUE COVER	\$12.00
HM925GRN-KIT	GREEN COVER	\$12.00
HM925GRY-KIT	GRAY COVER	\$12.00
HM925ORG-KIT	ORANGE COVERS	\$12.00
HM925PNK-KIT	PINK COVER	\$12.00
HM925PPL-KIT	PURPLE COVER	\$12.00
HM925RED-KIT	RED COVER	\$12.00
HM925RW-KIT	RED & WHITE COVER	\$12.00
HM925TAN-KIT	TAN COVER	\$12.00
HM925WHT-KIT	WHITE COVER	\$12.00
HM925YEL-KIT	YELLOW COVER	\$12.00

METRO SERIES FLOW/PRESSURE CHANGE KITS

ME0-KIT	Metro 0 Flow Pressure Change Kit	CALL
ME1-TO-KIT	Metro TO Flow Pressure Change Kit	CALL
ME1-V-KIT	Metro Valved Flow Pressure Change Kit	CALL
ME2-KIT	Metro 2 Flow Pressure Change Kit	CALL
TH505	Cone/Pusher Smalley Ring	CALL

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 online at tft.com. Kits can also be ordered for adding a grip to a non-grip model for a nominal fee.

HM692BLK-KIT	BLACK GRIP	\$27.00
HM692BLU-KIT	BLUE GRIP	\$27.00
HM692GRN-KIT	GREEN GRIP	\$27.00
HM692GRY-KIT	GRAY GRIP	\$27.00
HM692ORG-KIT	ORANGE GRIP	\$27.00
HM692PNK-KIT	PINK GRIP	\$27.00
HM692PPL-KIT	PURPLE GRIP	\$27.00
HM692RED-KIT	RED GRIP	\$27.00
HM692TAN-KIT	TAN GRIP	\$27.00
HM692WHT-KIT	WHITE GRIP	\$27.00
HM692YEL-KIT	YELLOW GRIP	\$27.00

PISTOL GRIP KITS

Colored Pistol Grip Covers for TFT Impulse Nozzles With A Trigger Valve System

Impulse trigger nozzles have the ability to have colored pistol grip covers. Colored grip covers are available at no charge at time of order, or when the warranty information is filled out online at tft.com. Black is standard grip color.

TN691BLK-KIT	BLACK GRIP COVER	\$27.00
TN691BLU-KIT	BLUE GRIP COVER	\$27.00
TN691GRN-KIT	GREEN GRIP COVER	\$27.00
TN691GRY-KIT	GRAY GRIP COVER	\$27.00
TN691ORG-KIT	ORANGE GRIP COVER	\$27.00
TN691PNK-KIT	PINK GRIP COVER	\$27.00
TN691PPL-KIT	PURPLE GRIP COVER	\$27.00
TN691RED-KIT	RED GRIP COVER	\$27.00
TN691TAN-KIT	TAN GRIP COVER	\$27.00
TN691WHT-KIT	WHITE GRIP COVER	\$27.00
TN691YEL-KIT	YELLOW GRIP COVER	\$27.00

INSTRUCTION MANUALS

(instruction manuals available at no charge)

All Manuals are available on line at tft.com or call customer service at 1-800-348-2686.

THREAD INFORMATION

STANDARD FIRE HOSE THREADS

Size	ODM	TPI	Size	ODM	TPI	Size	ODM	TPI	Size	ODM	TPI
Nat'l. Hose Thread (NHT)			Eastern Hose Thread			NY Corp. Thread			Quebec Standard Thread (QST)		
.75	1.3750	8	.75	1.0781	11	1.5	2.093	11	2.5	3.046	7
1	1.3750	8	1	1.4219	11	2	2.547	11	Alberta Mutual Aid Thread (AMA)		
1.25	1.6718	9	1.25	1.6875	11.5	2.5	3.000	8			
1.5	1.9900	9	1.5	2.1250	11	Chicago FD Thread			2.5	2.990	8
2	2.5156	8	2	2.6719	7.5	1	1.375	8	British Columbia (BCT)		
2.5	3.0686	7.5	2.5	3.0000	8	1.5	1.933	11.5			
.3	3.6239	6	Pacific Coast Thread			2.5	2.990	7.5	2.5	3.000	8
3.5	4.2439	6	.75	1.0625	11	3.5	4.052	8	Western Canada Fire Underwriters Thread		
4	5.000	4	1	1.3125	11.5	4	5.000	4			
4.5	5.7609	4	1.25	1.8600	11	4.5	5.7609	4	2.5	3.250	6
5	6.260	4	1.5	2.1000	11	5	6.260	4	Buffalo, NY Thread		
6	7.025	4	2	2.5500	10	Chicago Hose Thread			2.5	3.065	8
Nat'l. Pipe Straight Hose Thread (NPSH)			2.5	3.0350	7.5	.75	1.0810	11.5	Cincinnati, OH Thread		
			NYFD Thread			1	1.2951	11.5	2.5	3.058	6
.75	1.0353	14	1	1.660	8	1.25	1.7050	11.5	Cleveland, OH & Omaha, NE Thread		
1	1.2951	11.5	1.5	2.100	8	1.5	1.9460	11.5			
1.25	1.6399	11.5	2	2.530	8	2	2.5220	8	2.5	3.0781	8
1.5	1.8788	11.5	2.5	3.030	8	2	3.0430	7	Detroit, MI Thread		
2	2.3528	11.5	3	3.630	8	Standard Chemical Thread			2.5	3.125	7.5
2.5	2.843	8	3.5	4.070	8	.75	1.375	8	Pittsburgh, PA Thread		
3	3.4700	8	4	4.610	8	Canadian Standard Assoc. Thread (CSA)			2.5	3.0625	6
3.5	3.9700	8	4.5	5.800	4				Toledo, OH Thread		
4	4.4700	8	Underwriter Tip Thread			1.5	1.8788	11.5	2.5	3.000	8
4.5	4.9700	8	1.5	2.1875	12	2.5	3.1250	5			

FLANGE SPECIFICATIONS

ANSI Flange Size	2.5"-150#	3.0"-150#	3.0"-300#	4.0"-150#	4.0"-300#	6.0"-150#	6.0"-300#
Diam. of Flange	7.00"	7.50"	8.25"	9.00"	10.00"	11.00"	12.50"
Bolt Circle Diam.	5.50"	6.00"	6.625"	7.50"	7.875"	9.50"	10.625"
Bolt Hole Diam.	.750"	.750"	.875"	.750"	.875"	.875"	.875"
No. Bolt Holes	4	4	8	8	8	8	12
Bolt Diameter	.625"	.625"	.750"	.625"	.750"	.750"	.750"

SUCTION HOSE THREADS

Size	ODM	TPI	Size	ODM	TPI
American LaFrance Thread			Seagrave Thread		
4.0	5.085	4	4.0	5.000	4
4.5	5.750	4	4.5	5.750	4
5	6.150	4	5	6.250	4
6	7.000	4	6	7.000	4
Mack Thread			Hale Fire Pump Thread		
4.0	4.999	4	4.0	5.000	4
4.5	5.7609	4	4.5	5.7609	4
5	6.230	4	5	6.250	4
Ward LaFrance Thread			Maxim Thread		
4.0	5.000	4	4.0	5.000	4
4.5	5.750	4	4.5	5.750	4
5	6.250	4	5	6.250	4
6	7.000	4	6	7.000	4
Pirsch Thread			Watrous Fire Pump Thread		
4.0	5.000	4	4.0	5.0109	4
4.5	5.750	4	4.5	5.7609	4
5	6.250	4	5	6.260	4
6	7.000	4			

ABBREVIATION DEFINITIONS

ODM – outside diameter of male
TPI – threads per inch

THREAD DESIGNATIONS

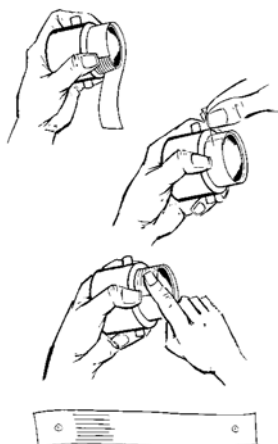
National Hose – NH or NHT; also called National Standard Thread (NST)
National Pipe Straight Hose – NPSH; also called Straight Iron Pipe Thread (SIPT)
National Pipe Thread – NPT; also called Tapered Iron Pipe Thread (TIPT)
British Standard Parallel Pipe – BSPP
British Standard Pipe Taper – BSP
Please call customer service at 800 348-2686 to check availability of a specific thread on your product.

METHODS FOR DETERMINING THREAD DIMENSIONS

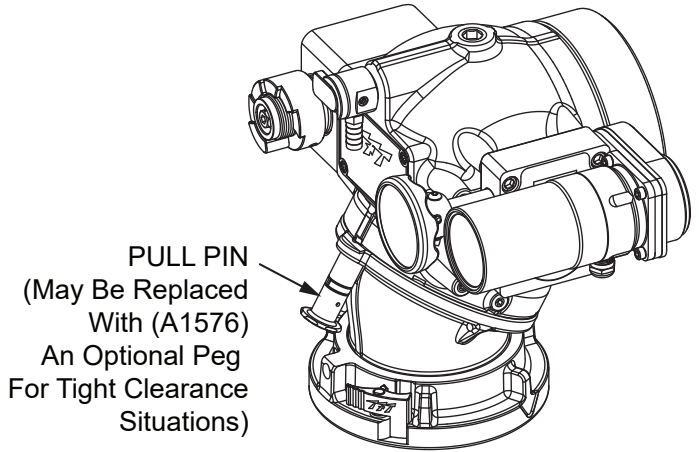
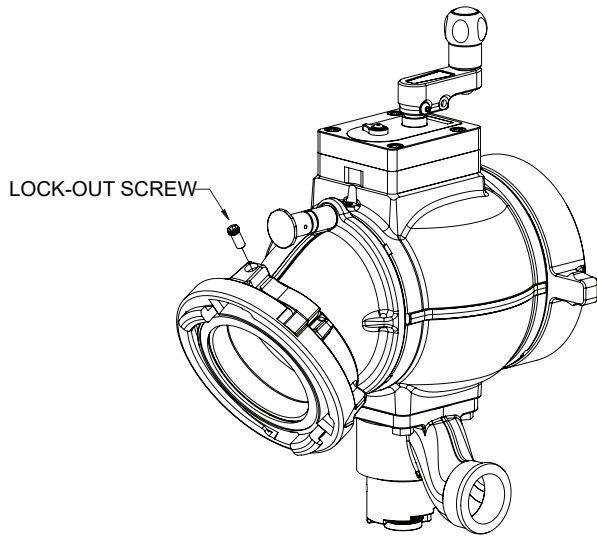
If Leaf Thread Gauge and Thread Caliper are not available; or sample cannot be sent, the following method may be used to obtain the needed information about threads.

- 1) Cut a strip of paper about 1" wide and long enough to completely encircle the male thread.
- 2) Wrap this paper snugly around the male thread making sure it is against the shoulder all the way around.
- 3) Pierce the paper with a pin at some point where the paper overlaps.
- 4) Press firmly against the threads with finger. This impression in the paper is used to determine the threads per inch.
- 5) Remove strip and circle pin holes with pencil.
- 6) The distance between the pin holes divided by 3.1416 equals the ODM (outside diameter of the male).

Both the ODM and the threads per inch are needed for ordering purposes. Unified thread form supplied unless otherwise specified.



CHANGING COUPLING LOCK-OUT



To change a coupling from rigid to full-time swivel, use a 7/32" (5.5 mm) 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" (5.5 mm) 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" (76 mm) ANSI 125/150 DN80 PN20	7.50" 190 mm	0.75" 19 mm	6.00" 152 mm	4 4	5/8" M16
4" (102 mm) ANSI 150 DN100 PN20	9.00" 229 mm	0.94" 24 mm	7.50" 190 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

DISCHARGE AND REACTION

Gallons Per Minute (gpm) Pounds Reaction Force (Lb_f)

See TFT's New SHO-FLOW App - pages R62-R63

Smoothbore Nozzle Discharge and Reaction Chart

Diameter	3/8"	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1-1/8"	1-1/4"	1-3/8"	1-1/2"	1-3/4"	2"	2-1/4"	2-1/2"	2-3/4"	
40	26	47	73	106	144	165	188	238	294	355	423	575	752	951	1174	1421	gpm
	9	16	25	35	48	55	63	79	98	119	141	192	251	318	393	475	Lb _f
45	28	50	78	112	153	175	199	252	311	377	448	610	797	1009	1246	1507	gpm
	10	18	28	40	54	62	71	89	110	134	159	216	283	358	442	534	Lb _f
50	30	53	82	118	161	185	210	266	328	397	473	643	840	1064	1313	1589	gpm
	11	20	31	44	60	69	79	99	123	148	177	240	314	397	491	594	Lb _f
55	31	55	86	124	169	194	220	279	344	417	496	675	881	1115	1377	1666	gpm
	12	22	34	49	66	76	86	109	135	163	194	264	345	437	540	653	Lb _f
60	32	58	90	129	176	202	230	291	360	435	518	705	921	1165	1438	1740	gpm
	13	24	37	53	72	83	94	119	147	178	212	288	377	477	589	712	Lb _f
65	34	60	94	135	183	211	240	303	374	453	539	734	958	1213	1497	1811	gpm
	14	26	40	57	78	90	102	129	159	193	230	313	408	517	638	772	Lb _f
70	35	62	97	140	190	218	249	315	388	470	559	761	994	1258	1554	1880	gpm
	15	27	43	62	84	97	110	139	172	208	247	337	440	556	687	831	Lb _f
75	36	64	101	145	197	226	257	326	402	486	579	788	1029	1303	1608	1946	gpm
	17	29	46	66	90	103	118	149	184	223	265	361	471	596	736	890	Lb _f
80	37	66	104	149	203	234	266	336	415	502	598	814	1063	1345	1661	2010	gpm
	18	31	49	71	96	110	126	159	196	237	283	385	502	636	785	950	Lb _f
85	39	68	107	154	210	241	274	347	428	518	616	839	1096	1387	1712	2071	gpm
	19	33	52	75	102	117	133	169	209	252	300	409	534	676	834	1009	Lb _f
90	40	70	110	159	216	248	282	357	440	533	634	863	1127	1427	1762	2132	gpm
	20	35	55	79	108	124	141	179	221	267	318	433	565	715	883	1069	Lb _f
95	41	72	113	163	222	255	290	366	452	547	652	887	1158	1466	1810	2190	gpm
	21	37	58	84	114	131	149	189	233	282	336	457	597	755	932	1128	Lb _f
100	42	74	116	167	227	261	297	376	464	562	668	910	1188	1504	1857	2247	gpm
	22	39	61	88	120	138	157	199	245	297	353	481	628	795	981	1187	Lb _f
105	43	76	119	171	233	268	304	385	476	576	685	932	1218	1541	1903	2302	gpm
	23	41	64	93	126	145	165	209	258	312	371	505	659	835	1030	1247	Lb _f
110	44	78	122	175	239	274	312	394	487	589	701	954	1246	1577	1948	2356	gpm
	24	43	67	97	132	152	173	219	270	327	389	529	691	874	1079	1306	Lb _f
115	45	80	124	179	244	280	319	403	498	602	717	976	1274	1613	1991	2409	gpm
	25	45	71	102	138	159	181	229	282	341	406	553	722	914	1128	1365	Lb _f
120	46	81	127	183	249	286	325	412	509	615	732	997	1302	1648	2034	2461	gpm
	26	47	74	106	144	166	188	238	294	356	424	577	754	954	1178	1425	Lb _f
125	47	83	130	187	254	292	332	420	519	628	747	1017	1329	1682	2076	2512	gpm
	28	49	77	110	150	172	196	248	307	371	442	601	785	994	1227	1484	Lb _f
130	48	85	132	191	259	298	339	429	529	640	762	1037	1355	1715	2117	2562	gpm
	29	51	80	115	156	179	204	258	319	386	459	625	816	1033	1276	1544	Lb _f
135	49	86	135	194	264	303	345	437	539	653	777	1057	1381	1748	2157	2611	gpm
	30	53	83	119	162	186	212	268	331	401	477	649	848	1073	1325	1603	Lb _f
140	49	88	137	198	269	309	352	445	549	665	791	1077	1406	1780	2197	2658	gpm
	31	55	86	124	168	193	220	278	343	416	495	673	879	1113	1374	1662	Lb _f
145	50	89	140	201	274	314	358	453	559	676	805	1096	1431	1811	2236	2706	gpm
	32	57	89	128	174	200	228	288	356	430	512	697	911	1152	1423	1722	Lb _f
150	51	91	142	205	279	320	364	461	569	688	819	1114	1455	1842	2274	2752	gpm
	33	59	92	132	180	207	236	298	368	445	530	721	942	1192	1472	1781	Lb _f
175	55	98	154	221	301	345	393	497	614	743	884	1204	1572	1990	2456	2972	gpm
	39	69	107	155	210	241	275	348	429	519	618	841	1099	1391	1717	2078	Lb _f
200	59	105	164	236	322	369	420	532	657	794	945	1287	1681	2127	2626	3177	gpm
	44	79	123	177	240	276	314	397	491	594	707	962	1256	1590	1963	2375	Lb _f

National Fire Protection Association (NFPA) Fire Protection Handbook - 17th Edition
International Fire Service Training Association (IFSTA) Fire Protection Publications -
Fire Stream Practices - 7th Edition
Nozzle Pressure Measured With Pitot Gauge, Reaction Force Measured In Pounds

Smoothbore Reaction Formula: $NR = 1.57D^2NP$
Smoothbore Discharge Formula: $GPM = 29.7D^2 \sqrt{NP}$
D = Bore Diameter in inches NP = Nozzle Pressure in PSI

CRITICAL APPLICATION RATES

COMMON ITEMS	AREA IN SQ FT (LXW)	INVOLVEMENT			
		100%	75%	50%	25%
Dumpster	24 (6x4)	8	6	4	2
Car Fire	‡ Full Size	125	125	125	125
Bedroom	225 (15x15)	75	56	38	19
Living Room	300 (15x20)	100	75	50	25
Multiple Bedrooms (2)	450 (15x15)x2	150	113	75	38
Detached Garage	574 (24x24)	192	144	96	48
Mobile Home (house trailer)	980 (14x70)	327	245	164	82
Tax Payer First Floor (downtown store front)	1000 (20x50)	333	250	167	83
Small Ranch House	1125 (45x25)	375	281	188	94
Large 2 Story House (1 Floor)	1600 (40x40)	533	400	267	133
Large 2 Story House (2 Floors)	3200 (40x40)x2	1,066	800	533	267
Pole Barn	3000 (40x50)x1.5*	1,000	750	500	250
Warehouse	40,000 (100x200)x2*	13,333	10,000	6,667	3,333

* Additional Height Factor

GPM FLOW REQUIRED

‡ Minimum application for a car fire is 125 gpm, due to fuel hazards involved.

This water application chart has been designed to provide a quick means of calculating an approximation of the initial flow rates needed. Actual flow rates required will vary depending on the conditions at the scene. This water application chart is not designed to, nor can it, provide the user with the definitive requirements to address a particular fire fighting situation. The selection of application devices and application methods for the fire hazard being addressed is the responsibility of the fire fighting professional.

Ref: IFSTA Fire Protection Publications Fire Stream Practices 7th Edition.

Quick fireground formula: NFA, National Fire Academy water application rates for room & contents.

$$\frac{L \times W}{3} = \text{GPM}$$

L = Length in feet

W = Width in feet

GPM = Water flow rate required to black out the fire in approximately ten seconds, when properly applied.

This assumes approximate standard combustible contents and heights of 10 feet per story. Adjust for % of involvement, and number of stories involved. Be prepared to increase flow to match 100% involvement, if necessary. Add 25% for exposures.

PUMP DISCHARGE PRESSURE CHARTS

1.75" Hose Flow (GPM)	75 PSI Nozzle Pressure Length Of Hose			100 PSI Nozzle Pressure Length Of Hose		
	150 FT (PSI)	200 FT (PSI)	250 FT (PSI)	150 FT (PSI)	200 FT (PSI)	250 FT (PSI)
60	83	86	89	108	111	114
95	96	103	110	121	128	135
125	111	123	136	136	148	161
150	127	145	162	152	170	187
175	146	170	194	171	195	219
200	168	199	230	193	224	255
225	193	232	271	218	257	296
250	220	269	—	245	294	—
275	251	—	—	276	—	—
300	—	—	—	—	—	—
325	—	—	—	—	—	—
350	—	—	—	—	—	—

2.50" Hose Flow (GPM)	75 PSI Nozzle Pressure Length Of Hose			100 PSI Nozzle Pressure Length Of Hose		
	150 FT (PSI)	200 FT (PSI)	250 FT (PSI)	150 FT (PSI)	200 FT (PSI)	250 FT (PSI)
60	76	76	77	101	101	102
95	78	79	80	103	104	105
125	80	81	83	105	106	108
150	82	84	86	107	109	111
175	84	87	90	109	112	115
200	87	91	95	112	116	120
225	90	95	100	115	120	125
250	94	100	106	119	125	131
275	98	105	113	123	130	138
300	102	111	120	127	136	145
325	107	117	128	132	142	153
350	112	124	136	137	149	161

NOTE: Flows may vary with brand or condition of hose. Flows are approximate and do not reflect losses in preconnect piping.

Formula Used: PDP = NP + FL

PDP = Pump Discharge Pressure

NP = Nozzle Pressure

FL = Friction Loss

FL = CQ^2L

C for 1.75" Hose = 15.5

C for 2.50" Hose = 2

Q Flow Rate in Hundreds of GPM

L Length of Hose in Hundreds of Feet

HYDRANT DISCHARGE

See TFT's New SHO-FLOW App - pages R62-R63

DISCHARGE FOR HYDRANT OUTLETS									
Outlet Pressure (lbs.)	Outlet Diameter				Outlet Pressure (lbs.)	Outlet Diameter			
	2.5"	3.0"	4.0"	4.5"		2.5"	3.0"	4.0"	4.5"
	U.S. Gallons per Minute					U.S. Gallons per Minute			
1	170	240	430	540	16	670	970	1720	2180
2	240	340	610	770	17	690	1000	1770	2240
3	290	420	740	940	18	710	1030	1820	2310
4	340	480	860	1090	19	730	1050	1870	2370
5	380	540	960	1220	20	750	1080	1920	2430
6	410	590	1050	1340	22	790	1130	2020	2550
7	440	640	1140	1440	24	820	1180	2110	2660
8	480	680	1220	1540	26	860	1230	2190	2770
9	500	730	1290	1640	28	890	1280	2280	2880
10	530	760	1360	1730	30	920	1320	2350	2980
11	560	800	1430	1810	32	950	1370	2430	3080
12	580	840	1490	1890	34	980	1410	2510	3170
13	610	870	1550	1960	36	1010	1450	2580	3260
14	630	900	1610	2040	38	1040	1490	2650	3350
15	650	940	1660	2110	40	1060	1530	2720	3440

HYDRANT DISCHARGE FORMULA

To obtain the flow from hydrant outlets use the same formula as given for smoothbore nozzles but use the factor "C" equal to 0.90. Every Fire Department should check the flow from their hydrants. This can be done simply and easily using only a cap with a pressure gauge attached. Merely place the gauge on one outlet, open the hydrant and read the gauge. Remove another cap, open the hydrant and read the gauge again and obtain the gallons per minute using the above method or from the discharge table for hydrant outlets. Obtain the maximum amount of water available from the discharge table for hydrant outlets. Then to obtain the maximum amount of water available from the hydrant in gallons per minute with a residual of 10 lbs. (which is the lowest you should draw down the pressure on the hydrant) use the following formula.

$$A = \frac{B \times \sqrt{P_1 - 10}}{\sqrt{P_1 - P_2}}$$

Where: A = Gallons per minute available at 10 lbs residual.

B = Gallons per minute obtained.

P1 = Static pressure on hydrant with no water flowing.

P2 = Residual pressure on hydrant with water flowing.

DEFINITIONS OF COMMON PRESSURE TERMS

Static or Sidewall Pressure: "Static" means not moving. Static Pressure can be the pressure on a hydrant while it is not flowing. It can also be the pressure measured at a small hole through the side of a pipe—even if there is flow going through the pipe. Since there is no flow going into the small hole this is another measure of static pressure. Pressure measured through a small hole in the side of a pipe is also known as Sidewall Pressure.

Dynamic Pressure: Dynamic Pressure is pressure caused by the fluid's velocity. In mathematical terms the Dynamic Pressure varies with the velocity squared. So doubling the velocity increases the Dynamic Pressure by four (2 squared equals 4). A pitot tube can be used to measure Dynamic Pressure. A pitot tube is a special device that measures Total and Static Pressures simultaneously. The Dynamic Pressure equals the Total Pressure minus the Static Pressure.

Total Pressure: Total Pressure is the Dynamic Pressure added to the Static Pressure. The Total Pressure can be measured with a "stagnation tube". A stagnation tube is a curved piece of tubing with a pressure gauge. Total Pressure is measured by orienting

the tubing so it's opening is impacted squarely by the fluid flow. A Stagnation Tube is often called a Pitot Tube in the fire service and is used to measure the Total Pressure at a nozzle's outlet. Since the stream exiting a nozzle has zero Static (or Sidewall) Pressure, a Stagnation Tube in the exit stream gives the Total Pressure.

Residual Pressure: Residual Pressure is the static (or sidewall) pressure at a location while a system is flowing. Due to Friction Loss, the residual pressure decreases as flow increases.

Friction Loss: Friction loss is the amount of pressure difference between two points while flowing. It is determined by comparing the Total Pressure between the two points. For example: A device with a Total Pressure of 120 psi at the inlet and a Total Pressure of 95 psi at the outlet while flowing 1000 gpm. The device's Friction Loss would be 25 psi at 1000 gpm. The Friction Loss varies with the square of the flow. So doubling the flow yields four times the friction loss.

Operating Pressure: Operating Pressure is the Static (or Sidewall) pressure in a device during use.

STANDARDS REFERENCED IN THE CATALOG

NFPA 1962 (2018) - Standard for the Care, Use, Inspection, Service Testing and Replacement of Fire Hose, Couplings, Nozzles, and Fire Hose Appliances.

NFPA 1963 (2019)- Standard for Fire Hose Connections

NFPA 1964 (2018)- Standard for Spray Nozzles and Appliances

NFPA 1901 (2016)- Standard for Automotive Fire Apparatus

ISO 228-1: 2000- 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 B1.20.1-2013 (R2018)- Pipe Threads, General Purpose (inch)

CE- Refers to the following:

IEC 61000-6-3 (2011) General Standards- Emission Standard for Residential, Commercial and Light Industrial Environments

IEC 61000-6-2 (2016) Generic Standards- Immunity for Industrial Environments

METRIC CONVERSIONS

LIQUID VOLUME

To Convert	Into	Multiply by
Ounces (oz)	Milliliters (ml)	29.57
Pints (pt)	Liters (l)	0.4732
Quarts (qt)	Liters (l)	0.9464
Gallons (gal)	Liters (l)	3.785
Milliliters (ml)	Ounces (oz)	0.0338
Liters (l)	Pints (pt)	2.113
Liters (l)	Quarts (qt)	1.057
Liters (l)	Gallons (gal)	0.2642

SOLID VOLUME - WEIGHT

To Convert	Into	Multiply by
Ounces (oz)	Grams (g)	28.3495
Pounds (lb)	Kilograms (kg)	0.4536
Grams (g)	Ounces (oz)	0.035
Kilograms (kg)	Pounds (lb)	2.205

PRESSURE

To Convert	Into	Multiply by
Pounds per square inch (psi)	Kilopascals (kPa)	6.895
Pounds per square inch (psi)	bar	0.06895
Kilopascals (kPa)	Pounds per square inch (psi)	0.145
Kilopascals (kPa)	bar	0.01
bar	Pounds per square inch (psi)	14.503
bar	Kilopascals (kPa)	100.00

LENGTH

To Convert	Into	Multiply by
Inches (in)	Millimeters (mm)	25.4
Inches (in)	Centimeters (cm)	2.54
Feet (ft)	Centimeters (cm)	30.48
Yards (yd)	Meters (m)	0.9144
Miles (mi)	Kilometers (km)	1.609
Millimeters (mm)	Inches (in)	0.039
Centimeters (cm)	Inches (in)	0.394
Meters (m)	Yards (yd)	1.0936
Kilometers (km)	Miles (mi)	0.6214

AREA

To Convert	Into	Multiply by
Square inches (sq in)	Square Centimeters (cm ²)	6.452
Square feet (sq ft)	Square Meters (m ²)	0.093
Square Yards (sq yd)	Square Meters (m ²)	0.836
Square Miles (sq mi)	Square Kilometers (km ²)	2.59
Square Centimeters (cm ²)	Square inches (sq in)	0.155
Square Meters (m ²)	Square feet (sq ft)	1.196
Square Kilometers (km ²)	Square Yards (sq yd)	0.386

TIP SIZES

3/4" Tip = 19 mm	1-1/2" Tip = 38 mm
7/8" Tip = 22 mm	1-3/4" Tip = 44 mm
1" Tip = 25 mm	2" Tip = 51 mm
1-1/8" Tip = 29 mm	2-1/4" Tip = 57 mm
1-1/4" Tip = 32 mm	2-1/2" Tip = 64 mm
1-3/8" Tip = 35 mm	3" Tip = 76 mm

HOSE SIZES

1" Hose = 25.4 mm	4" Storz = 100.00 mm
1.5" Hose = 38.1 mm	4" Hose = 101.60 mm
1.75" Hose = 44.5 mm	4.5" Hose = 114.30 mm
2" Hose = 50.8 mm	5" Storz = 125.00 mm
2.5" Hose = 63.5 mm	5" Hose = 127.00 mm
3" Hose = 76.2 mm	6" Storz = 150.00 mm
3.5" Hose = 88.9 mm	6" Hose = 152.40 mm

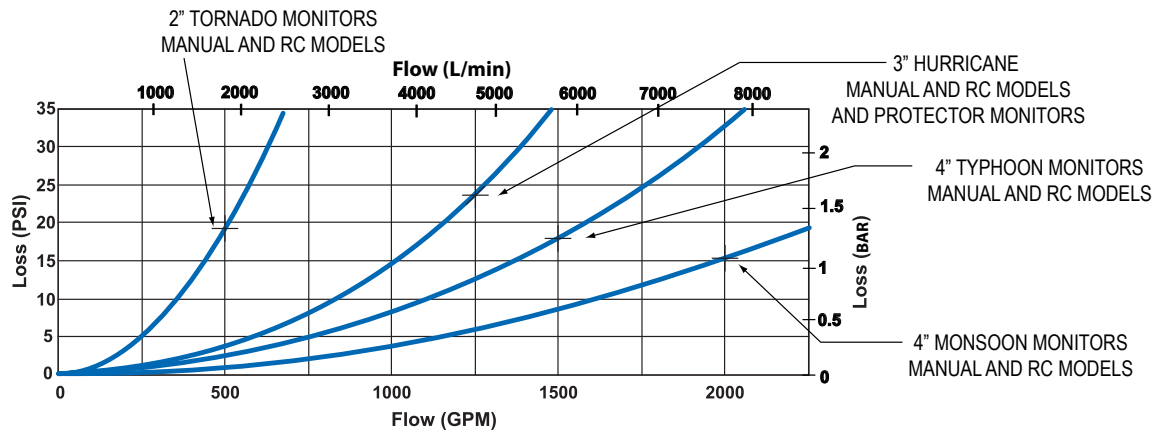
PRESSURES

50 psi = 345 kPa = 3.45 bar	300 psi = 2069 kPa = 20.69 bar
60 psi = 414 kPa = 4.14 bar	350 psi = 2413 kPa = 24.13 bar
70 psi = 488 kPa = 4.88 bar	400 psi = 2758 kPa = 27.58 bar
75 psi = 517 kPa = 5.17 bar	450 psi = 3103 kPa = 31.03 bar
80 psi = 552 kPa = 5.52 bar	500 psi = 3448 kPa = 34.48 bar
90 psi = 621 kPa = 6.21 bar	550 psi = 3792 kPa = 37.92 bar
100 psi = 690 kPa = 6.90 bar	600 psi = 4137 kPa = 41.37 bar
150 psi = 1034 kPa = 10.34 bar	650 psi = 4482 kPa = 44.82 bar
200 psi = 1379 kPa = 13.79 bar	700 psi = 4827 kPa = 48.27 bar
250 psi = 1723 kPa = 17.23 bar	

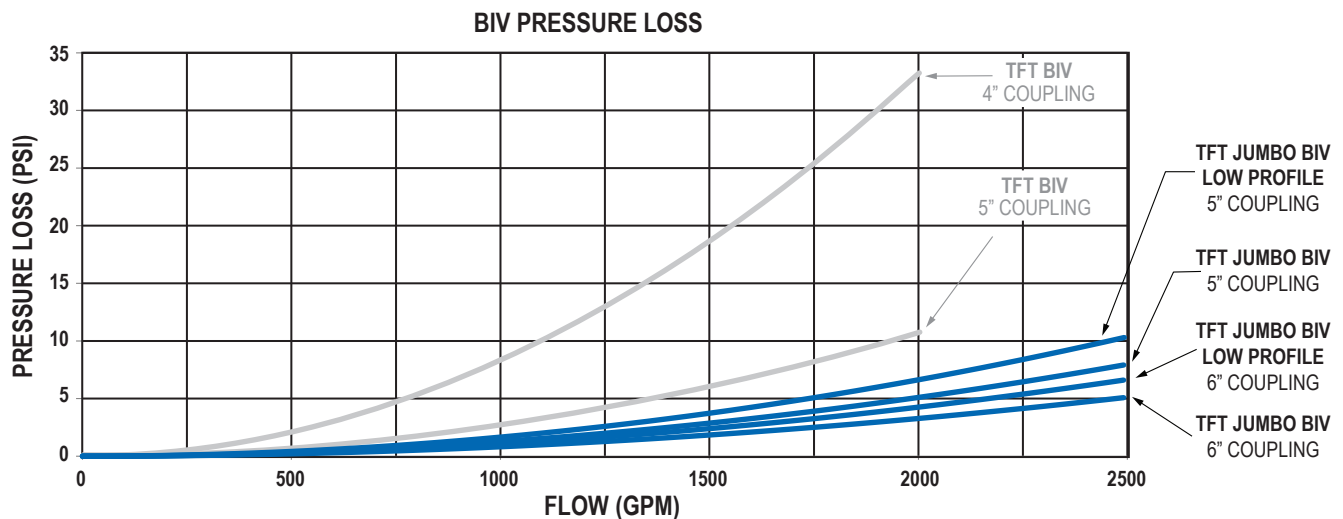
FLOW RATE

12 gpm =	45.42 l/min =	45 l/min
13 gpm =	49.20 l/min =	50 l/min
20 gpm =	75.70 l/min =	75 l/min
23 gpm =	87.06 l/min =	90 l/min
25 gpm =	94.62 l/min =	95 l/min
30 gpm =	113.55 l/min =	115 l/min
40 gpm =	151.40 l/min =	150 l/min
50 gpm =	189.25 l/min =	190 l/min
55 gpm =	208.18 l/min =	210 l/min
60 gpm =	227.10 l/min =	230 l/min
70 gpm =	264.95 l/min =	265 l/min
75 gpm =	283.88 l/min =	285 l/min
85 gpm =	321.73 l/min =	320 l/min
95 gpm =	359.58 l/min =	360 l/min
100 gpm =	378.50 l/min =	380 l/min
120 gpm =	454.20 l/min =	460 l/min
125 gpm =	473.13 l/min =	475 l/min
150 gpm =	567.75 l/min =	550 l/min
175 gpm =	662.38 l/min =	660 l/min
200 gpm =	757.00 l/min =	750 l/min
250 gpm =	946.25 l/min =	950 l/min
300 gpm =	1135.50 l/min =	1140 l/min
350 gpm =	1324.75 l/min =	1325 l/min
375 gpm =	1419.38 l/min =	1420 l/min
400 gpm =	1514.00 l/min =	1525 l/min
450 gpm =	1703.25 l/min =	1700 l/min
500 gpm =	1892.50 l/min =	1900 l/min
700 gpm =	2649.50 l/min =	2660 l/min
750 gpm =	2838.75 l/min =	2900 l/min
800 gpm =	3028.00 l/min =	3030 l/min
1000 gpm =	3785.00 l/min =	3800 l/min
1200 gpm =	4542.00 l/min =	4500 l/min
1250 gpm =	4731.25 l/min =	4800 l/min
1500 gpm =	5677.50 l/min =	6000 l/min
2000 gpm =	7570.00 l/min =	7600 l/min

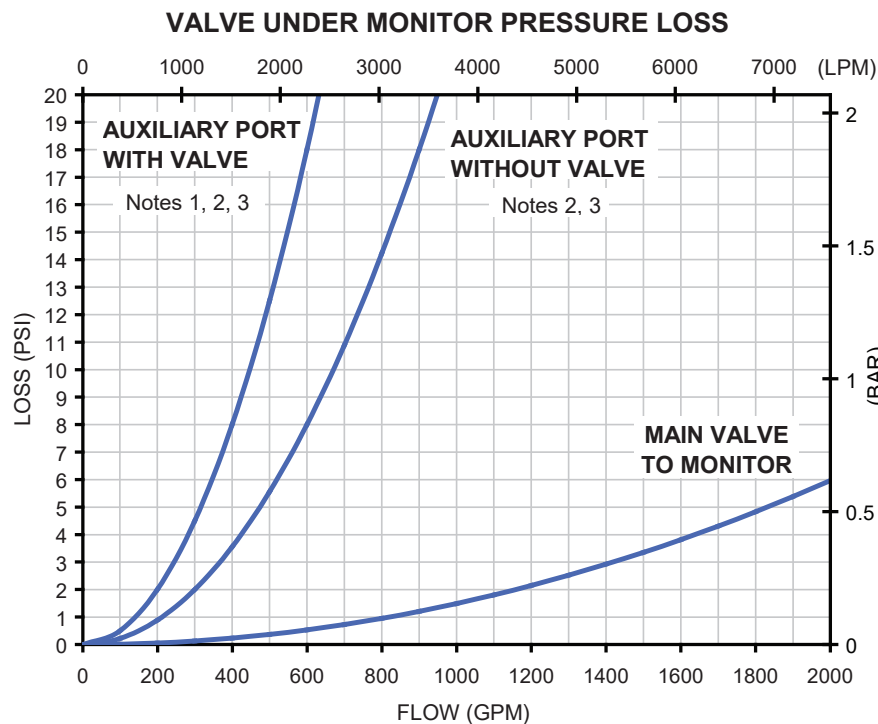
MONITOR PRESSURE LOSS



BIV BALL INTAKE VALVE PRESSURE LOSS



VUM VALVE UNDER MONITOR PRESSURE LOSS



NOTES:

- 1) Curve represents auxiliary port options 2 and 3 (gated elbows). Pressure loss for auxiliary 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 L) do not add significant pressure loss.

ITEM NUMBER INDEX

ITEM NUMBER	PAGE	ITEM NUMBER	PAGE	ITEM NUMBER	PAGE	ITEM NUMBER	PAGE
A02**	G37	AL6*****	G33	AXD*-*.*	G12-G13	B-TOS-ER	B8
A03**	G38	AL7**0	G30	AXD*-*.-RC	B79-B80	B-TOS-ERP	B8
A03*-JET-*	G39	AL7**1	G30	AXE*-*.*	G12-G13	C1024	R2
A06**	G37	AL8**0	G31	AXE*-*.-RC	B79-B80	C1040	R2
A1082-CRK	T1	AL8**1	G31	AY175-KIT	T2	D100D	R4
A1082-KIT	T1	AL9****0	G32	AY321-KIT	B70, T1	D100DP	R4
A1410-KIT	T1	AL9****3	G32	AY322-KIT	B70, T1	D1024	R2
A1411-KIT	T1	AM-BAND-KIT	T1	AY5H*-*	G20	D1024BC	R49
A1520-CRK	T1	AN****01	G36	AY5H*-*.-SC	G22	D1040	R2
A1520-KIT	T1	AN****02	G36	AY5*-*	G20	D1040BC	R49
A1621-KIT	T1	AN****31	G36	AY5*-*.-SC	G22	D10-KIT	T1
A1633-KIT	T1	AN****32	G36	AY7H*-*	G21	D285-KIT	T1
A1810 -A1869	B2-B3	AP*-*	G10-G11	AY7H*-*.-SC	G23	D75D	R4
A1890NJ	T1	AP*-*.-PS	G10-G11	AY7*-*	G21	D75DP	R4
A1891NJ	T1	AQ*-*	G10-G11	AY7*-*.-SC	G23	D75DR	R4
A4178-KIT	T1	AQ*-*.-PS	G10-G11	AY8*-*	G20	D75-HDL	T1
A4179-KIT	T1	AR*****	G34-G35	AY8*-*.-SC	G22	D75-HRK	T1
AA9FL-FP	P8	AR-BRACKET	G34	AY9*-*	G21	D75-KIT	T1
AA9FP-FX	P8	ARS*****	G34-G35	AY9*-*.-SC	G23	DQ40	R22
AA9NX-NP	94, 96, 98, 202, 204, 206	AS2*-*	G25	AYG-NJ-NF	G17	DQ60	R23
AA9NX-NR	94, 96, 98, 202, 204, 206	AS3*-*	G25	AYLND-ND	G16-G17	DQS40	R22
AB*-*	G8-G9	AS4*-*	G25	AYLND-NF	G16-G17	DQS40P	R22
AB*-*.-PS	G8-G9	AS5*-*	G26	AYLNF-ND	G16-G17	DQS60	R23
AB*-*.-RC	G8-G9	AS7*-*	G26	AYLNF-NF	G16-G17	DQS60P	R23
ABS*-*	G8-G9	AS9*-*	G26	AYNJ-NF	G17	DS1024	R2
ABS*-*.-PS	G8-G9	ATIF-ID	G16	AYSND-ND	G16-G17	DS1024BC	R49
ACS*-*	G8-G9	ATIF-ND	G16	AYSNF-ND	G16-G17	DS1024BCP	R49
ACS*-*.-PS	G8-G9	ATNF-ID	G16	AYSNF-NF	G16-G17	DS1024P	R2
A-DISP	B64	ATNF-ND	G16	AYSNJ-NF	G17	DS1040	R2
AF5Q**-*	P17	AU-BRACKET	G24, G32	AYTNJ-NF	G17	DS1040BC	R49
AF9Q**-*	P17	AV5HNJ-NJ	G18	B880-KIT	T1	DS1040BCP	R49
AKE11*****	B69-B76	AV5HNJ-NJ-SC	G18	B935-KIT	T1	DS1040P	R2
AKE12*****	B69-B76	AV5NJ-NJ	G18	B950-KIT	T1	DSB	R8
AKE13*****	B69-B76	AV5NJ-NJ-SC	G18	B955-KIT	T1	EFF-NFNF300	R63
AKE14*****	B69-B76	AVG2ENJNJ	G14-G15	B960-KIT	T1	EFJ-NJNJ1250	R63
AKE1Q*****	B69-B76	AVGSC2FHNJNJ	G19	B-BGH	R28	EFJ-NJNJ500	R63
AKE1T*****	B69-B76	AVGSC2FNJNJ	G19	B-BGT	R30	F100F	R4
AKE1V*****	B69-B76	AVGSC2LNJNJ	G14-G15	B-BH	R28	F100FP	R4
AKM11*****	B69-B76	AVGSC2RNJNJ	G14-G15	B-DC1040BC	R44	F100-HDL	T1
AKM12*****	B69-B76	AVGSC2SHNJNJ	G19	B-DUAL	R44	F100-HRK	T1
AKM13*****	B69-B76	AVGSC2SNJNJ	G19	B-DUAL-ND	R44	F100-KIT	T1
AKM14*****	B69-B76	AVGSC3FHNJNJ	G19	BGH-125	R29	F125F	R5
AKM1Q*****	B69-B76	AVGSC3FNJNJ	G19	BGHL-125	R29	F125FP	R5
AKM1T*****	B69-B76	AVGSC3SHNJNJ	G19	BGT-125	R30	F140F	R5
AKM1V*****	B69-B76	AVGSC3SNJNJ	G19	BGTL-125	R30	F140FP	R5
AKP11*****	B69-B76	AVLND-ND	G16	BH-125	R29	F140-HDL	T1
AKP12*****	B69-B76	AVLNF-ND	G16	BH-BGT	R30	F140-HRK	T1
AKP13*****	B69-B76	AVLNF-NF	G16	BHL-125	R29	F140-KIT	T1
AKP14*****	B69-B76	AVSND-ND	G16	BL-BGH	R28	F140SBI	R65
AKP1Q*****	B69-B76	AVSNF-ND	G16	BL-BGT	R30	F15G200	R64
AKP1T*****	B69-B76	AVSNF-NF	G16	BL-BH	R28	F15G300	R64
AKP1V*****	B69-B76	AW2*-*	G27	BL-TO	R28	F2060	R3
AL1****0	G29	AW3*-*	G27	BL-TO-ERP	B8	F2060BC	R50
AL1****1	G29	AW4*-*	G27	BTFT-DC5	R44	F2060BCER	B9, B30, B32
AL2****0	G24	AW5*-*	G28	BTFT-DC5-ND	R44	F2095	R3
AL2****1	G24	AW7*-*	G28	B-TO	R28	F2095BC	R50
AL3**0	G30	AW9*-*	G28	BTO-125	B29	F2095BCER	B9, B30, B32
AL3**1	G30	AX*-*	G10-G11	B-TO-ER	B8	F20-KIT	T1
AL4**0	G31	AX*-*.-PS	G10-G11	B-TO-ERP	B8	F675-KIT	T1
AL4**1	G31	AX*-*.-RC	B77-B78	B-TO-ERP-120	B8	F675-UPGRADE	T1
AL5****0	G29	AX1690-KIT	T1	B-TO-ERP-150	B8	F685-KIT	T1
AL5****1	G29	AX1691-KIT	T1	BTOL-125	R29	F95BC	R50

ITEM NUMBER INDEX

ITEM NUMBER	PAGE	ITEM NUMBER	PAGE	ITEM NUMBER	PAGE	ITEM NUMBER	PAGE
FF151-FF157.....	R9	FTS200F.....	R25	H-LUBE-KIT.....	R12	HMD-TO.....	R34
FJ-DQ.....	R53	FTS200LF.....	R25	HL-V.....	R36	HMD-TO-ER.....	B9
FJ-H.....	R53	FTS200LPF.....	R25	HL-VPG.....	R37	HMD-TO-ERP.....	B9
FJ-HM.....	R53	FTS200LPS.....	R25	HL-VPGI.....	R37	HMD-TOS.....	R34
FJ-HMX.....	R56	FTS200LS.....	R25	HM590-KIT.....	T1	HMD-TPGI.....	R35
FJ-LX-FQ.....	R54	FTS200PF.....	R25	HM592-KIT.....	T1	HMD-TPGIS.....	R35
FJ-LX-HM.....	R54	FTS200PS.....	R25	HM692BLK-KIT.....	T2	HMD-V.....	R34
FJ-LX-M2.....	R54	FTS200S.....	R25	HM692BLU-KIT.....	T2	HMD-VPGI.....	R35
FJ-LX-M.....	R54	FTS250F.....	R26	HM692GRN-KIT.....	T2	HMD-VPGIS.....	R35
FJ-LX-U.....	R54	FTS250PF.....	R26	HM692GRY-KIT.....	T2	HMD-VS.....	R34
FJ-MX-060-NF.....	R53	FTS250PS.....	R26	HM692ORG-KIT.....	T2	HMK-STO.....	R31
FJ-MX-095-NF.....	R53	FTS250S.....	R26	HM692PNK-KIT.....	T2	HMK-STOS.....	R31
FJ-MX-125-NF.....	R53	H-2BLITZ.....	R39	HM692PPL-KIT.....	T2	HMK-TO.....	R31
FJ-MX-D.....	R55	H-2PP.....	R65	HM692RED-KIT.....	T2	HMK-TOS.....	R31
FJ-MX-DQ.....	R55	H-2TO.....	R38	HM692TAN-KIT.....	T2	HMK-TPGI.....	R33
FJ-MX-F.....	R55	H-2V.....	R38	HM692WHT-KIT.....	T2	HMK-TPGIS.....	R33
FJ-MX-FQ.....	R55	H-2VO.....	R7	HM692YEL-KIT.....	T2	HMK-V.....	R32
FJ-MX-FT.....	R56	H-2VOI.....	R7	HM792-KIT.....	R45	HMK-VPGI.....	R32
FJ-MX-HM.....	R56	H-2VPG.....	R39	HM792-DKIT.....	R45	HMK-VPGIS.....	R32
FJ-MX-MD.....	R54	H-2VPGI.....	R38	HM792-FKIT.....	R45	HMK-VS.....	R32
FJ-U.....	R53	H-2VPP.....	R65	HM792-FTKIT.....	R45	HML-STO.....	R31
FJ-UMX.....	R56	H-3VOINJ-NJ.....	R7	HM792-GKIT.....	R45	HML-STOS.....	R31
FQ125BC.....	R51	H-3VONJ-NJ.....	R7	HM792-HKIT.....	R45	HML-TO.....	R31
FQ125BCL.....	R51	H880-KIT.....	T1	HM792-HMKIT.....	R45	HML-TOS.....	R31
FQ125F.....	R24	H960-KIT.....	T1	HM792-JKIT.....	R45	HML-TPGI.....	R33
FQ125LF.....	R24	H994I-KIT.....	T1	HM792-UKIT.....	R45	HML-TPGIS.....	R33
FQ125LS.....	R24	H994N-KIT.....	T1	HM840-75-KIT.....	T1	HML-V.....	R32
FQ125S.....	R24	HD-2BLITZ.....	R43	HM840-KIT.....	T1	HML-VPGI.....	R32
FQS125BC.....	R51	HD-2TO.....	R42	HM880-KIT.....	T1	HML-VPGIS.....	R32
FQS125BCL.....	R51	HD-2V.....	R42	HM925BLK-KIT.....	T2	HML-VS.....	R32
FQS125BCP.....	R51	HD-2VPG.....	R43	HM925BLU-KIT.....	T2	HML-STO.....	R31
FQS125BCPL.....	R51	HD-2VPGI.....	R42	HM925GRN-KIT.....	T2	HM-STOS.....	R31
FQS125F.....	R24	HDC-TO.....	R52	HM925GRY-KIT.....	T2	HM-TO.....	R31
FQS125LF.....	R24	HDL-2BLITZ.....	R43	HM925ORG-KIT.....	T2	HM-TO-ER.....	B9
FQS125LPF.....	R24	HDL-2TO.....	R42	HM925PNK-KIT.....	T2	HM-TO-ERP.....	B9
FQS125LPS.....	R24	HDL-2V.....	R42	HM925PPL-KIT.....	T2	HM-TOS.....	R31
FQS125LS.....	R24	HDL-2VPG.....	R43	HM925RED-KIT.....	T2	HM-TPGI.....	R33
FQS125PF.....	R24	HDL-2VPGI.....	R42	HM925RW-KIT.....	T2	HM-TPGIS.....	R33
FQS125PS.....	R24	HDL-STO.....	R40	HM925TAN-KIT.....	T2	HM-V.....	R32
FQS125S.....	R24	HDL-TO.....	R40	HM925WHT-KIT.....	T2	HM-VPGI.....	R32
FS2060.....	R3	HDL-V.....	R40	HM925YEL-KIT.....	T2	HM-VPGIS.....	R32
FS2060BC.....	R50	HDL-VPG.....	R41	HM950-KIT.....	T1	HM-VS.....	R32
FS2060BCP.....	R50	HDL-VPGI.....	R41	HM960-KIT.....	T1	HPM111A.....	R75
FS2060P.....	R3	HD-STO.....	R40	HM997I-KIT.....	T1	HPM-32.....	R75
FS2095.....	R3	HD-TO.....	R40	HM997N-KIT.....	T1	HPM-42.....	R75
FS2095BC.....	R50	HD-V.....	R40	HMD830-75KIT.....	T1	HPM-52.....	R75
FS2095BCP.....	R50	HD-VPG.....	R41	HMD830-KIT.....	T1	HPM-62.....	R75
FS2095P.....	R3	HD-VPGI.....	R41	HMD840-KIT.....	T1	HPM-A.....	R76
FS-3STACK.....	R9	H-GG.....	R65	HMDC-TO.....	R52	HPM-B.....	R77
FS95BC.....	R50	HI-RISE-E.....	G15	HMDC-TO-ERP.....	B10	HPM-C.....	R77
FS95BCP.....	R50	HI-RISE-L.....	G15	HMDL-STO.....	R34	HPM-D.....	R77
FSNYSTACK.....	R9	HI-RISE-R.....	G15	HMDL-STOS.....	R34	HPM-E.....	R77
FSS3-FSS12.....	R8	HK-TO.....	R36	HMDL-TO.....	R34	HPM-F.....	R76
FSS13-CAFS.....	R52	HK-V.....	R36	HMDL-TOS.....	R34	HPM-G.....	R76
FT200F.....	R25	HK-VPG.....	R37	HMDL-TPGI.....	R35	HPMG111A.....	R75
FT200LF.....	R25	HK-VPGI.....	R37	HMDL-TPGIS.....	R35	HPMG-32.....	R75
FT200LS.....	R25	HL-2BLITZ.....	R39	HMDL-V.....	R34	HPMG-42.....	R75
FT200S.....	R25	HL-2TO.....	R38	HMDL-VPGI.....	R35	HPMG-52.....	R75
FT250F.....	R26	HL-2V.....	R38	HMDL-VPGIS.....	R35	HPMG-62.....	R75
FT250S.....	R26	HL-2VPG.....	R39	HMDL-VS.....	R34	HPM-H.....	R76
FTJJ**.....	R71	HL-2VPGI.....	R38	HMD-STO.....	R34	HPM-J.....	R77
FTMJ**.....	R72	HL-TO.....	R36	HMD-STOS.....	R34	HPM-K.....	R77

ITEM NUMBER INDEX

ITEM NUMBER	PAGE	ITEM NUMBER	PAGE	ITEM NUMBER	PAGE	ITEM NUMBER	PAGE
HPM-L	R77	MD18A	R70	M-RS1000-**	B12	X455-KIT	T2
HPM-M	R77	MD-ER**A	B11	MST-2NJ	R70	XF400-KIT	G5, T2
HPM-N	R77	MD-ER-12A	B11	MST-3NJ	R70	XFAN-1NL	G2-G3
H-SS	R65	MD-ER-14A	B11	MST-4NJ	G5, B25	XFAN-1NN	G2-G3
H-SS-NJ	R65	MD-ER-18A	B11	MST-4NN	G5	XFAN-1NP	G2-G3
H-TO	R36	MD-ERP**A	B11	MST-5NJ	R70	XFAN-1NR	G2-G3
H-V	R36	MD-ERP-12A	B11	MST-6NJ	R70	XFAN-1SP	G2-G3
HVIT1*	R10	MD-ERP-14A	B11	P116-KIT	T1	XFAN-1ST	G2-G3
HVIT1-KIT	T1	MD-ERP-18A	B11	P690-KIT	T2	XF-B	G5
HVIT2*	R11	ME0-***	R14	P920-KIT	T1	XFC-12	G3, G6
HVIT2-KIT	T1	ME0TPGI-***	R14	SHO-FLOW APP	R62	XFC-32	G3, G6
HVIT3-KIT	T1	ME0VPGI-***	R14	SVFG	R13	XFC-32NB	G3, G6
HVIT4-KIT	T1	ME1STO-***	R16-R17	SVFT	R13	XFC-42	G3, G6
HVIT5-KIT	T1	ME1STOS-***	R16-R17	SVFV	R13	XFC-42NB	G3, G6
HVIT6-KIT	T1	ME1TO-***	R15	SVJE-NJNJ	B25	XFC-52	G3, G6
HVIT7-KIT	T1	ME1TOE***	B10	SVJE-NNNJ	B25	XFC-52NB	G3, G6
HVIT8-KIT	T1	ME1TOERP**	B10	SVJ-NJNJ	B25	XFC-62	B67
HVITG1*	R10	ME1TOS-***	R15	SVNE-NNNN	B26	XFC-63	B68
HVITG2*	R11	ME1TOSE***	B10	SVN-NNNN	B26	XFC-71	B65
H-VO	R5	ME1TOSERP***	B10	SVXE	B58	XFC-72	B65
H-VOI	R5	ME1TPGI-***	R16-R17	TETHER01-KIT	T2	XFC-73	B66
H-VPG	R37	ME1V-***	R16-R17	THA401-ST	T1	XFF-APL	G4
H-VPGI	R37	ME1VPGI-***	R16-R17	THA406-KIT	T1	XFF-CPL	G4
HX-100-KIT	T1	ME1VPGIS-***	R16-R17	TN691BLK-KIT	T2	XFF-CPP	G4
HX-55-KIT	T1	ME1VS-***	R16-R17	TN691BLU-KIT	T2	XFF-MPL	G4
HX-75-KIT	T1	ME22TO-***	R18-R19	TN691GRN-KIT	T2	XFF-MPP	G4
HX840-75-KIT	T1	ME22V-***	R18-R19	TN691GRY-KIT	T2	XFF-RLF	G4
HX840-KIT	T1	ME22VPGI-***	R18-R19	TN691ORG-KIT	T2	XFH-1NL	G2-G3
HX950-KIT	T1	ME2BLITZ-***	R18-R19	TN691PNK-KIT	T2	XFH-1NN	G2-G3
HXD-100-KIT	T1	ME2TO-***	R18-R19	TN691PPL-KIT	T2	XFH-1NP	G2-G3
HXD-75-KIT	T1	ME2V-***	R18-R19	TN691RED-KIT	T2	XFH-1NR	G2-G3
HXD830-75KIT	T1	ME2VPGI-***	R18-R19	TN691TAN-KIT	T2	XFH-1SP	G2-G3
HXD830-KIT	T1	M-ER1000-**	B15	TN691WHT-KIT	T2	XFH-1ST	G2-G3
HXD840-KIT	T1	M-ER1250-**	B16	TN691YEL-KIT	T2	XFH-1SX	G2-G3
HXDL840-KIT	T1	M-ER1250S-**	B15	U230-KIT	T2	XFH-2NJ	G2-G3
J140F	R6	M-ER1500-**	B22	UE-060-NF	R46-R47	XFIE-FLNJ	B40
J140FP	R6	M-ER2000-**	B24	UE-060-NF-01	R46-R47	XFIE-FPNJ	B40
J140-HRK	T1	MERFP1000-**	B14	UE-060-NJ-NF	R46-R47	XFI-FLNJ	B40
J140J	R6	M-ERP1000-**	B15	UE-095-NF	R46-R47	XFI-FPNJ	B40
J140JP	R6	M-ERP1250-**	B16	UE-095-NF-01	R46-R47	XFIH-D**A	166
J25G200F	R64	M-ERP1250S**	B15	UE-095-NJ-NF	R46-R47	XFIH-E**A	B42
J25G200S	R64	M-ERP1500-**	B22	UE-125-NF	R46-R47	XFIH-E**A-A	P2-P3
J25G300F	R64	M-ERP2000-**	B24	UE-125-NF-01	R46-R47	XFIH-T**A	B41
J25G300S	R64	M-ERS1000-NJ	B14	UE-125-NJ-NF	R46-R47	XFI-PLNJ	B40
JET-ELBOWKIT	T1	MERSP1000-**	B14	UE-250L-NJ	R48	XFL-1NL	G2-G3
JET-NF-KIT	T1	M-FA1000-**	B17	UE-250-NJ	R48	XFL-1NN	G2-G3
JSS10	R70	M-FA1250-**	B18	UE-350L-NJ	R48	XFL-1NP	G2-G3
JSS11	R70	M-FAEP1000**	B19	UE-350-NJ	R48	XFL-1NR	G2-G3
JSS13-CAFS	R52	M-FAEP1250**	B20	UE950	R48	XFL-1SP	G2-G3
JSST10	R70	M-FAER1000**	B19	UE951	R48	XFL-1ST	G2-G3
JSST11	R70	M-FAER1250**	B20	UE960-KIT	R48, T2	XFL-2NJ	G2-G3
JT250F	R27	M-FF1250-**	B18	VSA-101	T2	XF-SS10	G5
JT250S	R27	M-FFEP1250**	B20	VSA-110	T2	XF-SS10-NN	G5
JTS250F	R27	M-FFER1250**	B20	VSA-112	T2	XF-SS5	G5
JTS250PF	R27	M-FS1000-**	B17	WF1GF-173	R20-R21	XF-SS5-NN	G5
JTS250PPF	R27	M-FS1250-**	B18	WF1GFS-173	R20-R21	XFT-NJ	G2-G3
JTS250PPS	R27	M-R1000-**	B12	WF1TF-173	R20-R21	XG12PL-PL	B27
JTS250PS	R27	M-R1250-**	B13	WF1TFS-173	R20-R21	XG12PL-RL	B27
JTS250S	R27	M-R1250S-**	B13	WF1VF-173	R20-R21	XG12PL-XL	B27
MD12A	R70	M-R1500-**	B21	WF1VFS-173	R20-R21	XG12VL-PL	B27
MD14A	R70	M-R2000-**	B23	WT5HNJ-NJ-NF	G18	XG12VL-RL	B27
MD17A	R70	M-RF1000-**	B12	WT5NJ-NJ-NF	G18	XG12VL-XL	B27

ITEM NUMBER INDEX

ITEM NUMBER	PAGE	ITEM NUMBER	PAGE	ITEM NUMBER	PAGE	ITEM NUMBER	PAGE
XG18PL-PL	B27	XX830-KIT	T2	Y4E-DISP	B64	YE-VKG-PH	B60
XG18PL-RL	B27	XX910-KIT	T2	Y4E-JS	B63	YE-VKG-PL	B60
XG18PL-XL	B27	XX-B	R66-R69	Y4E-JS-51	B63	YE-VK-PF	B59
XG18VL-PL	B27	XXC-32-HE	B68, B74	Y4E-JS-52	B63	YE-VK-PH	B59
XG18VL-RL	B27	XXC-32	R66, R73	Y4E-JS-GT	B63	YE-VK-PJ	B59
XG18VL-XL	B27	XXC-33	R67, R73	Y4E-JS-GT-NP	B63	YE-VK-PL	B59
XG18XL-XL	G4	XXC-33-HE	R69, R74	Y4E-JS-GT-R	B63	YQC-FP	P16
XG840-KIT	T1	XXC-42	R66, R73	Y4E-RP	B61	YQC-RLF	P16
XGA32BL-RL	B28	XXC-42-HE	R68, R74	Y4E-RP-D	B61	YQC-RPF	P16
XGA32PL-RL	B28	XXC-43	R67, R73	Y4E-TS	B64	YQC-TP	P16
XGA32VL-RL	B28	XXC-43-HE	R69, R74	Y4-M**A*	B48, B52	YST-1NN	B26
XGA38BL-RL	B28	XXC-52	R66, R73	Y4-T**A*	B48, B52	YST-3NN	B26
XGA38PL-RL	B28	XXC-52-HE	R68, R74	Y5-D**A	B44	YST-4 NN	B23
XGA38VL-RL	B28	XXC-53	R67, R73	Y5-E**A	B45-B46	YST-8NX	B58
XGA42BP-RP	B29	XXC-53-HE	R69, R74	Y5-E**A*	B46	Z11**A	P4
XGA42PP-RP	B29	XX-OM*	P5	Y5-E**A-A	P2-P3	Z12**A	P4
XGA42VP-RP	B29	XX-OSC**	P5	Y5-M**A	B44	Z625A	R57
XGA48BP-RP	B29	XX-STRAP-KIT	T2	Y5-T**A	B44	Z626	R57
XGA48PP-RP	B29	Y1C-71	B32	Y8-E11A	B57	ZAA**	P8
XGA48VP-RP	B29	Y1-E**A	B31-B32	Y8-M11A	B56	ZAS**	P8
XGA840-KIT	T1	Y2-E**A	B37	YE-BT1	B32, B62	ZBA*****	P9-P11
XGA841-KIT	T1	Y2-E**A-A	P2-P3	YE-CAN1	B62	ZCF****	P12-P14
XGA-RP	B62	Y2-E**A-LT	B34	YE-CAN2	B62	ZCF**-OSC	P12-P14
XGB-13	B27-B28	Y2-EG4A-S	B35	YE-ETHER	B63	ZCG****	P12-P14
XGB-23	B27-B28	Y2-S**A	P6	YE-LK12-KIT	B64	ZCG**-OSC	P12-P14
XGB-33	B27-B28	Y2-T**A	B38	YE-LK24-KIT	B64	ZCH****	P12-P14
XGB-43	B29	Y4-E**A	B49-B50, B53-B54	YE-RECEP-4	B62	ZCH**-OSC	P12-P14
XGB-53	B29	Y4-E**A*	B50, B54	YE-REMAUX	B64	ZM**1	P7
XGE690-KIT	T1	Y4-E**A-A	P2-P3	YE-RF-2400	B62	ZMF**A	R57
XGE695-KIT	T1	Y4E-COMM	B64	YE-RF-2400-D	B62	ZMF**-ER	R59-R61
XX**	P5	Y4E-CT-10	B61	YE-RF-900	B62	ZMF**-ERP	R59-R61
XX111A	R66	Y4E-CT-100	B61	YE-RF-900-D	B62	ZN**A	P7
XX111A-HE	R68	Y4E-CT-100-D	B61	YE-RF-RAD-24	B62	ZO**	P7
XX211A	R67	Y4E-CT-10-D	B61	YE-RF-RAD-9	B62		
XX211A-HE	R69	Y4E-CT-30	B61	YE-VKG-PD	B60		
XX482-KIT	T2	Y4E-CT-30-D	B61	YE-VKG-PF	B60		

STATEMENT OF WARRANTY AND REPAIR

Task Force Tips LLC, 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. The warranty period on most products is five (5) years from the date of manufacture. Select items have either a one (1) year or ten (10) year warranty. See TFT operations manual for details.

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.

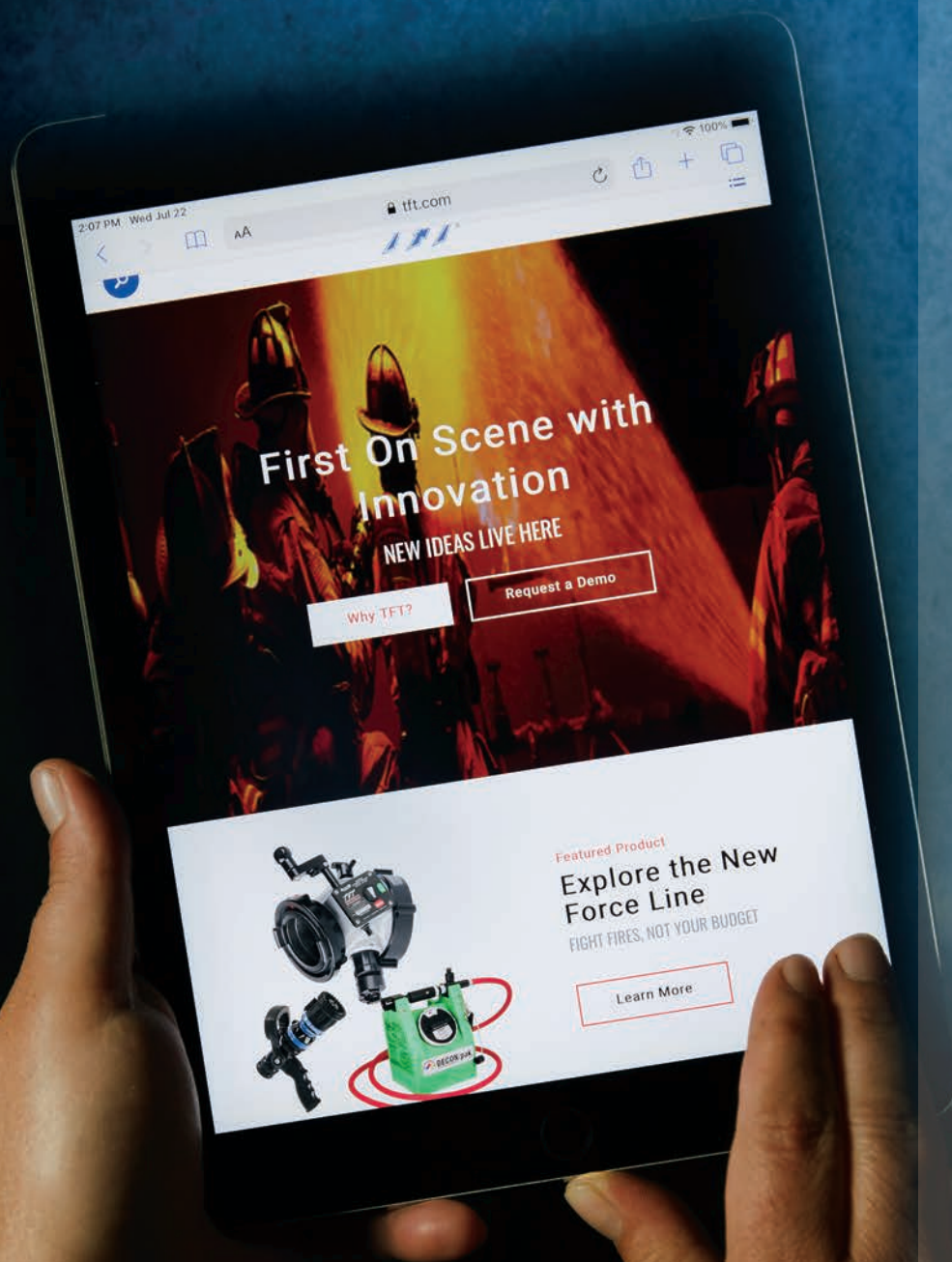
TFT shall have no obligation under this limited warranty if the equipment is, or has been, misused or neglected (including failure to provide reasonable maintenance) or if there have been accidents to the equipment or if it has been repaired or altered by someone else.

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.

NOTES

TFT ALL ACCESS



TFT Online Content

Enhanced Search Features • Technical Library
Interactive Catalogs • Apparatus Buyers Guide,
24 Hour Live Customer Service,
Dealer Locator • News and Events

TFT.com

Where You'll Find Everything You Need

- Interactive Web Catalog
- Enhanced Search Features
- Online Technical Library
- 24 Hour Customer Service
- TFT Dealer Locator
- News and Events

Unmatched Support

Access Comprehensive Product Information
Simply By Entering Your Unique TFT
Product Serial Number



Water Flow Education

H2knOw Videos and Articles on
the Fundamentals of Water Flow



Join The Conversation

Search: Task Force Tips



#TFTPROUD

TFT REACH



Wildland Fire

Fixed and Remote Control Monitors
Fixed and Remote Control Nozzles
Nozzles Handheld
Valves, Wyes and Tees
Foam Equipment and CAFS Nozzles
Tools and Accessories

Handheld Nozzles

Fixed, Selectable and Automatic
Standard, Low and Dual Pressure
Smooth Bores and Ball Valves
Pressure Gauges and Flow Indicators
Specialty Nozzles & Accessories

Industrial Fire

Fixed Station and Portable Monitors
Master Stream Nozzles
Self Educting Foam Nozzles & Attachments
LDH Hardware, Manifolds, Intake and Discharge Valves
Hazardous Location Monitors

Fire Apparatus Equipment

Fixed and Remote Control Monitors and Nozzles
Intake Valves, Adapters, Elbows and Fittings
Monitor Manifolds
Tools and Accessories

Water Supply

Intake Valves
Jumbo Wyes, Siamese and Gated Manifolds
Hydrant Assist Valves
Gated Wyes and Water Thiefs
Suction Hose Strainers

Foam Equipment

Foam Nozzles and Attachments
Eductors
Self-Educting Nozzles
Foam Injection and Application Systems