

# *Certificate of Conformance*

*to*

*EN15182-2 (2010) Handheld Branchpipes for Fire Service Use*

*Task Force Tips, Inc. certifies that the following nozzles meet or exceed the requirements found in the EN15182-2 (2010) standard.*

## **QuadraFog 500 PN16**

*For supporting documentation contact us at [www.tft.com](http://www.tft.com)*



**TASK FORCE TIPS**

*Delivers what our customers need, when they need it.*



TASK FORCE TIPS, INC  
REGISTERED TO ISO 9001:2008  
FILE NUMBER 10001004 QM08

**Annex C**  
(normative)

**Datasheet for hand-held branchpipes for fire service use**

**C.1 General**

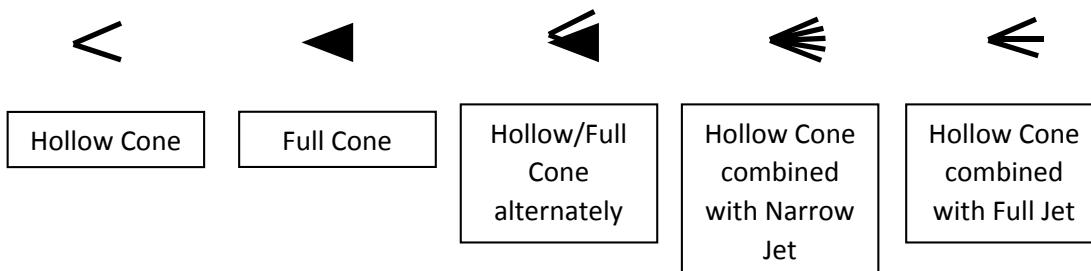
- NOTE 1** The symbol \* means “where applicable” in the whole datasheet  
**NOTE 2** Actual test results can be entered in the data sheet when these results exceed the minimum requirements given in this Standard

**C.2 General data**

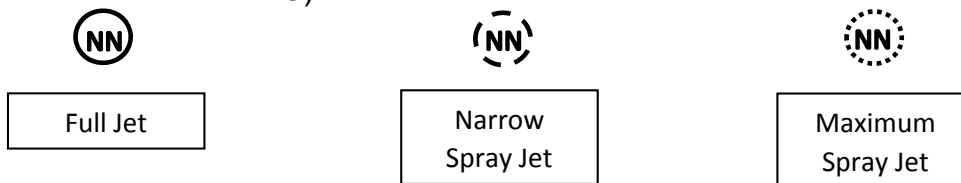
1.1 Manufacturer	<b>Task Force Tips, Inc. – Valparaiso, IN - USA</b>
1.2 Type	<b>QuadraFog 500</b>
1.3 Type according to EN 15182-1 Annex A	<b>Type 3</b>
1.4 Flowrate (l/min) at $p_R$	<b>500 l/min @ 6 bar</b>
1.5 Flow settings *	<b>100-250-350-500</b>
1.6 Type of spray *	<b>Hollow Cone streaming/Full Cone alternately</b>

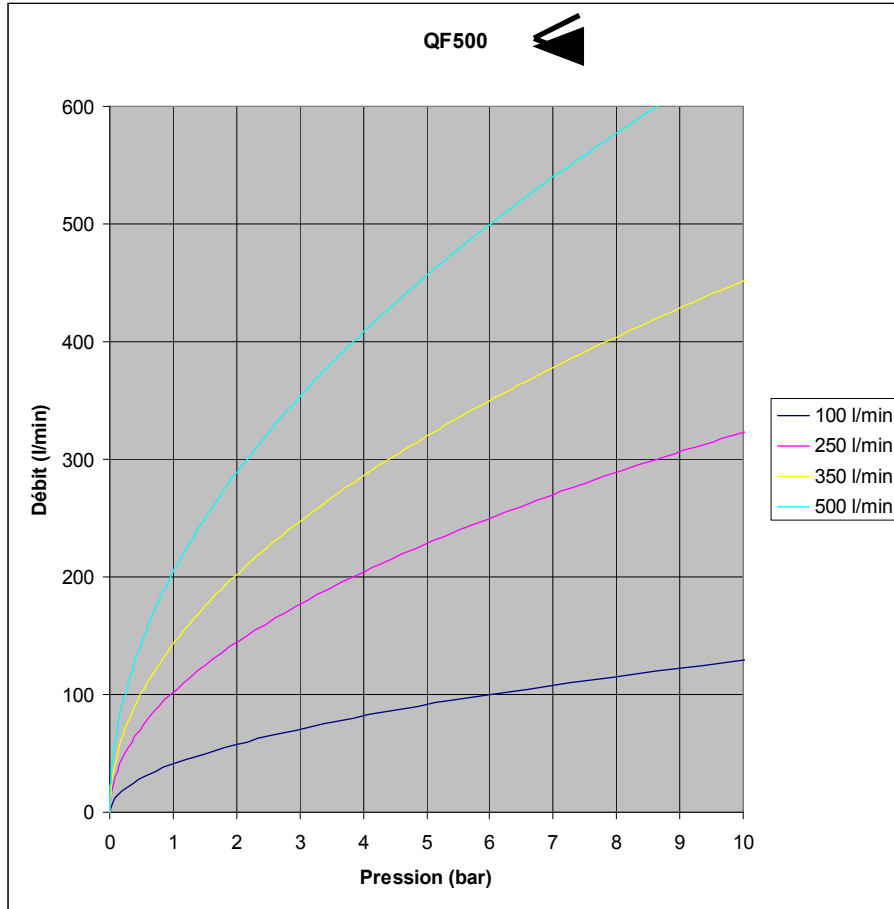
**C.3 Flow pressure chart**

Use the following symbols to represent different types of cone spray:



Use the following symbols to represent flow at spray types (NN represents throw in METERS):





**100 l/min**

26

12

5

**250 l/min**

35

14

6

**350 l/min**

39

16

7

**500 l/min**

40

14

6

#### C.4 Operational devices

3.1 Fitting system	Swiveling Coupling
3.2 Gripping device	Pistol Grip
3.3 Open/shut-off device *	Ball Valve
3.4 Jet/spray system *	Rotating operating element (bumper)
3.5 Flow adjustment system *	Rotating operating element (ring)

#### C.5 Requirements

OPERATING AND HANDLING	Relevant sub clause number per standard	Item	Minimum Requirement	Test Result	
	EN 15182-2/4.2.1	<b>Dimensions (mm)</b>	≤ 450x300x150	290x240x100	
	EN 15182-2/4.2.1	<b>Mass (kg)</b>	≤ 3.5	1.79	
	EN 15182-2/4.2.2	<b>Torques needed for moving operating elements (N·m)</b>			
		Lever *	≤ 15	N/A	
		Valve Handle *	≤ 15	3.46	
		Flow adjustment element	≤ 15	1.75	
		Jet adjustment element	≤ 10	1.02	
	EN 15182-2/4.2.3	Rotating inlet element	≤ 5	3.05	
		<b>Flow adjustment *</b>			
EN 15182-2/4.2.4	Rotation from minimal to maximal flow	≤ 180°	90°		
	<b>Jet adjustment *</b>				
	Rotation from straight jet to wide spray jet with a minimal spray angle of 100°	70° - 180°	176°		

<b>PERFORMANCE</b>	<b>Relevant sub clause number per standard</b>	<b>Item</b>	<b>Minimum Requirement</b>	<b>Test Result</b>
	EN 15182-2/4.3.3	Effective throw (m)	35	40
		<b>Spray jet *</b>		
	EN 15182-2/4.3.4	Wide spray jet *: angle	≥ 100°	130°
	EN 15182-2/4.3.5	Narrow spray jet *: angle	≥ 30°	65°

<b>PHYSICS</b>	<b>Relevant sub clause number per standard</b>	<b>Item</b>	<b>Minimum Requirement</b>	<b>Test Result</b>
	EN 15182-1/7.2.2	<b>Sensitivity to frost (° C)</b>	Operational after 30 min @ (-15±2)°C	PASS
	EN 15182-1/7.2.1	<b>Sensitivity to heat (° C)</b>	Operational after 24 h @ (55±2)°C	PASS
	EN 15182-1/6.3.1	<b>Non-obstruction test (mm)</b>	4.76	5.5 PASS
	EN 15182-2/4.3.1	<b>Burst pressure (bar)</b>	≥ 60 bar	PASS

### C.6 Operational extra data (no requirements)

<b>Relevant sub clause number per standard</b>	<b>Item</b>	<b>Test Result</b>
<b>Ageing tests</b>		
	UV test	
	Ozone test	
	Corrosion test	HARDCOAT EXCEED MILITARY SPECIFICATION MIL-A-8625F

**C.7 Data certified by \*:**  
**Adam Ritchey**  
**Quality Manager**  
**Task Force Tips**