

# *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 150 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**

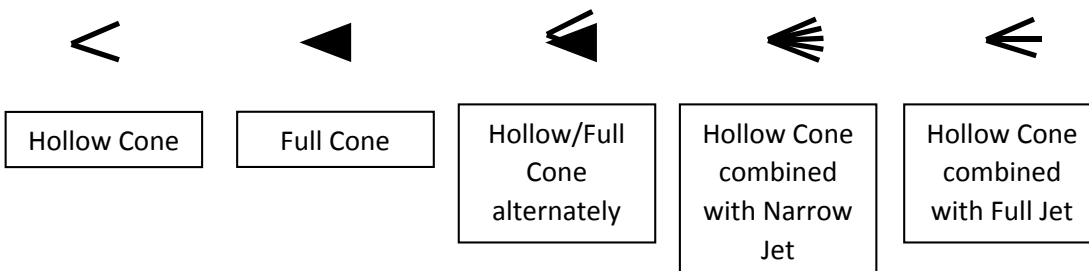
- NOTE 1** The symbol \* means “where applicable” in the whole datasheet  
**NOTE 2** Actual test results can be entered in the data sheet when these results exceed the minimum requirements given in this Standard

**C.2 General data**

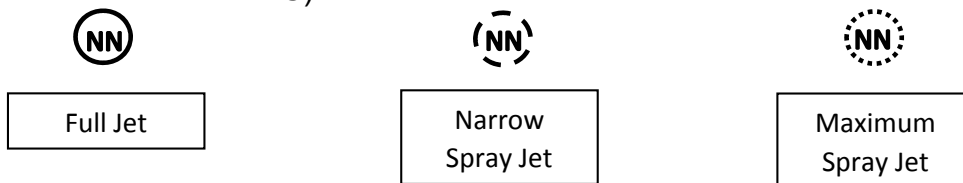
1.1 Manufacturer	<b>Task Force Tips, Inc. – Valparaiso, IN - USA</b>
1.2 Type	<b>QuadraFog 150 Pn 16</b>
1.3 Type according to EN 15182-1 Annex A	<b>Type 3</b>
1.4 Flowrate (l/min) at $p_R$	<b>150 l/min @ 6 bar</b>
1.5 Flow settings *	<b>20-40-100-150</b>
1.6 Type of spray *	<b>Hollow Cone streaming/Full Cone alternately</b>

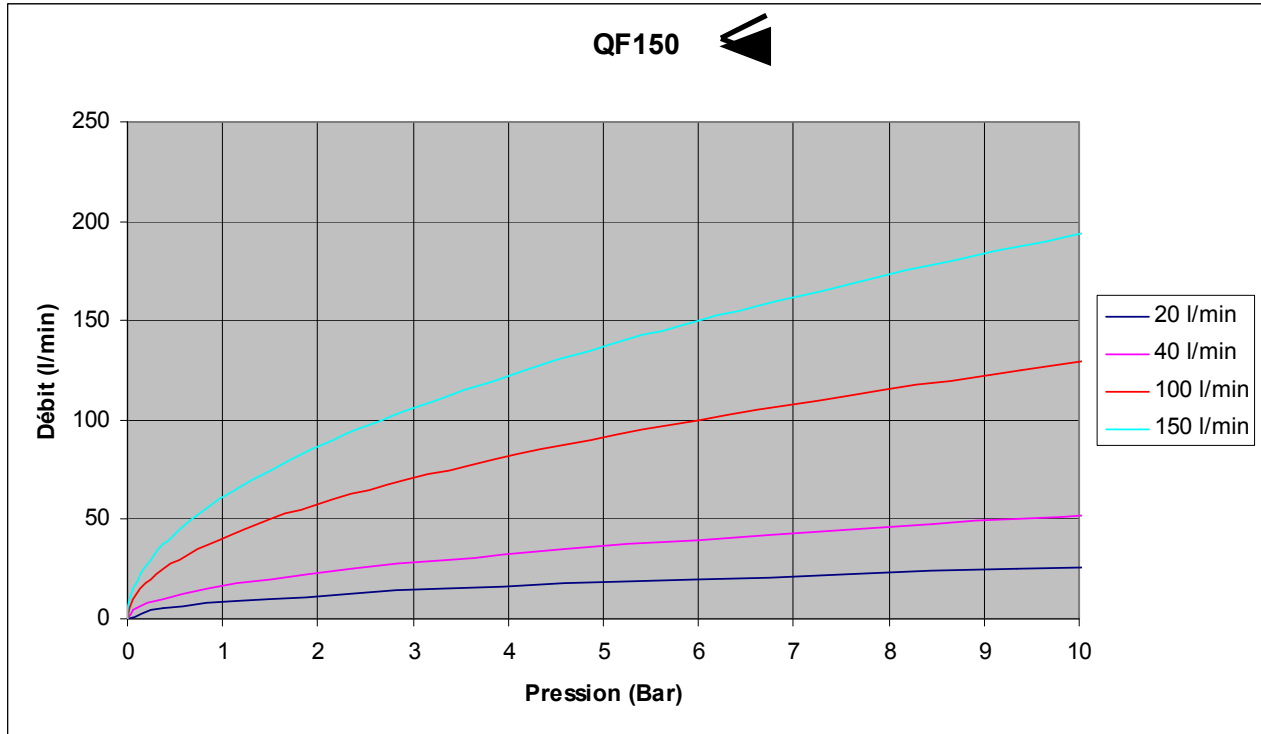
**C.3 Flow pressure chart**

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):





**20 l/min**

⑫

⑥

③

**40 l/min**

⑱

⑧

④

**100 l/min**

⑳

⑬

⑥

**150 l/min**

㉔

⑭

⑦

#### C.4 Operational devices

<b>3.1 Fitting system</b>	Swiveling Coupling
<b>3.2 Gripping device</b>	Pistol Grip
<b>3.3 Open/shut-off device *</b>	Ball Valve
<b>3.4 Jet/spray system *</b>	Rotating operating element (bumper)
<b>3.5 Flow adjustment system *</b>	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	270x225x95
	EN 15182-2/4.2.1	<b>Mass (kg)</b>	≤ 3.5	1.27
	EN 15182-2/4.2.2	<b>Torques needed for moving operating elements (N·m)</b>		
		Lever *	≤ 15	N/A
		Valve Handle *	≤ 15	2.3
		Flow adjustment element	≤ 15	1.6
		Jet adjustment element	≤ 10	1.0
	EN 15182-2/4.2.3	Rotating inlet element	≤ 5	2.0
		<b>Flow adjustment *</b>		
EN 15182-2/4.2.4	Rotation from minimal to maximal flow	≤ 180°	72°	
	<b>Jet adjustment *</b>			
	Rotation from straight jet to wide spray jet with a minimal spray angle of 100°	70° - 180°	174°	

PERFORMANCE	Relevant sub clause number per standard	Item	Minimum Requirement	Test Result
	EN 15182-2/4.3.3	Effective throw (m)	23	28
		<b>Spray jet *</b>		
	EN 15182-2/4.3.4	Wide spray jet *: angle	$\geq 100^\circ$	146°
	EN 15182-2/4.3.5	Narrow spray jet *: angle	$\geq 30^\circ$	61°

PHYSICS	Relevant sub clause number per standard	Item	Minimum Requirement	Test Result
	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>	3.18	PASS
	EN 15182-2/4.3.1	<b>Burst pressure (bar)</b>	$\geq 60$ bar	PASS

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

Relevant sub clause number per standard	Item	Test Result
<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