

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 235 PN16

For supporting documentation contact us at 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	Task Force Tips, Inc. – Valparaiso, IN - USA
1.2 Type	QuadraFog 235
1.3 Type according to EN 15182-1 Annex A	Type 3
1.4 Flowrate (l/min) at p_R	235 l/min @ 6 bar
1.5 Flow settings *	20-40-100-150-235
1.6 Type of spray *	Hollow Cone streaming/Full Cone alternately

C.3 Flow pressure chart

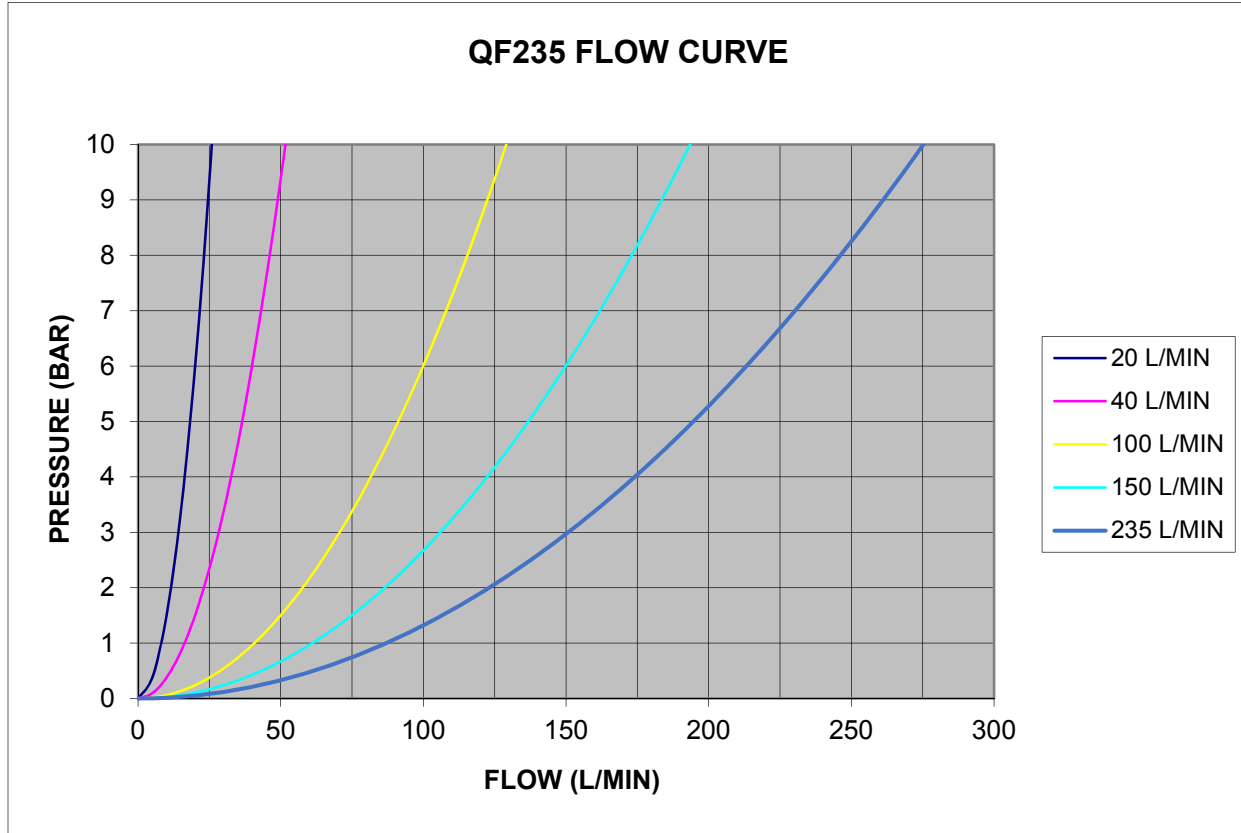
Use the following symbols to represent different types of cone spray:



Hollow Cone	Full Cone	Hollow/Full Cone alternately	Hollow Cone combined with Narrow Jet	Hollow Cone combined with Full Jet
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Use the following symbols to represent flow at spray types (NN represents throw in METERS):

Full Jet	Narrow Spray Jet	Maximum Spray Jet



20 l/min

⑫

⑥

③

40 l/min

⑱

⑧

④

100 l/min

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⑬

⑥

150 l/min

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⑦

235 l/min

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⑰

⑧

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	Dimensions (mm)	≤ 450x300x150	270x225x95
	EN 15182-2/4.2.1	Mass (kg)	≤ 3.5	1.27
	EN 15182-2/4.2.2	Torques needed for moving operating elements (N·m)		
		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
		Flow adjustment *		
EN 15182-2/4.2.4	Rotation from minimal to maximal flow	≤ 180°	129°	
	Jet adjustment *			
	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)	27	31
		Spray jet *		
	EN 15182-2/4.3.4	Wide spray jet *: angle	≥ 100°	146°
	EN 15182-2/4.3.5	Narrow spray jet *: angle	≥ 30°	61°

PHYSICS	Relevant sub clause number per standard	Item	Minimum Requirement	Test Result
	EN 15182-1/7.2.2	Sensitivity to frost (° C)	Operational after 30 min @ (-15±2)°C	PASS
	EN 15182-1/7.2.1	Sensitivity to heat (° C)	Operational after 24 h @ (55±2)°C	PASS
	EN 15182-1/6.3.1	Non-obstruction test (mm)	3.18	PASS
	EN 15182-2/4.3.1	Burst pressure (bar)	≥ 60 bar	PASS

C.6 Operational extra data (no requirements)

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

C.7 Data certified by *:

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Quality Manager
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