

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.

C.2 General data

Manufacturer	Akron Brass Company
Type	CEN-FLOW
Type according to EN 15182-1:2019, Annex A	EN 15182-2, Type 3
Flowrate settings*	Style 1720 Turbojet™: 100, 200, 300, 450 lpm
Type of spray*	Hollow cone

C.3 Flow-pressure chart

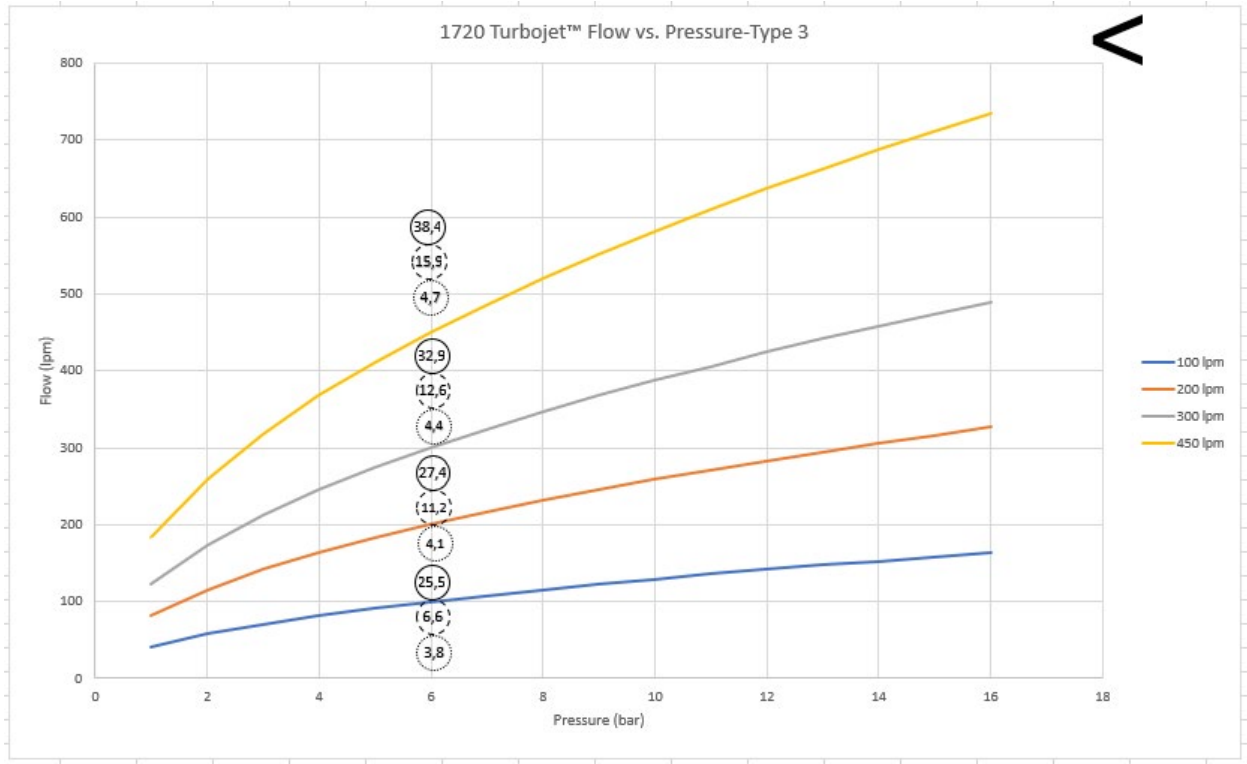
In the charts, the cone spray types shall be represented by the symbols (or combinations of the symbols) as shown in Figure D.1, where applicable.



Key

- 1 hollow cone spray
- 2 full cone spray
- 3 hollow/full cone spray alternatively
- 4 hollow cone spray combined with narrow spray jet
- 5 hollow cone spray combined with straight jet

Figure D.1-Symbols for spray types



Key

- ⊙ 1 Straight jet: throw [m] (using a straight line)
- ⊘ 2 Narrow spray jet: throw [m] (using a dashed line)
- ⊙ 3 Wide spray jet: throw [m] (using a dotted line)

D.4 Operational devices

Fitting system	Swiveling
Gripping device	Pistol grip
Open/shut-off device*	Ball valve-valve handle
Jet/spray system*	Rotating element
Flow adjustment system*	Rotating element

D.5 Requirement

Item	Required by EN 15182-2	Test result
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OPERATING AND HANDLING	Dimensions (mm)	≤450 x 300 x 150	267 x 222 x 116
	Mass (kg)	≤3,5	1,8
	Torques needed for moving operating elements (N.m)		
	-Lever*		Not applicable
	-Valve handle*	≤15	6,6
	Flow adjustment element	≤10	3,4
	Jet adjustment element	≤10	1,2
	Rotating inlet element	≤5	3,2
	Flow adjustment* Rotation from minimal to maximal flow	≤180°	112.5°
	Jet adjustment* Rotation from straight jet to wide spray jet with a minimal spray angle of 100°	≥70,≤180	112°

PERFORMANCE	Effective throw (m)	100 lpm: ≥ 17 200 lpm: ≥ 25 300 lpm: ≥ 29 450 lpm: ≥ 33	100 lpm: 25,5 200 lpm: 27,4 300 lpm: 32,9 450 lpm: 38,4
	Spray jet*		
	-Wide spray jet*: angle	≥100°	120°
	-Narrow spray jet*: angle	From 30° to 100°	30°

PHYSICS	Sensitivity to frost (°C)	≤-15	-15 Fully operational
	Sensitivity to heat (°C)	≥55	55, Fully operational
	Non-obstruction test (mm)	4,76	4,76 passed through
	Burst pressure (bar)	≥60	60 no burst

D.6 Optional extra data (no requirements)

Ageing test	
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-UV test	<p>1. 720 Hours Carbon Arc Method per NFPA 1964-2013</p> <p>2. 720 hours in accordance with Table X3.1, Condition 1, of ASTM G 155, <i>Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials</i>, as required by FM 5511, <i>Approval Standard for Firefighting Nozzles for Use with Hose, Monitor Assemblies and other Firefighting Equipment</i>.</p>
-Ozone test	
Corrosion test	<p>ASTM B 117, <i>Standard for Salt Spray (Fog) Testing</i>, as required by FM 5511, <i>Approval Standard for Firefighting Nozzles for Use with Hose, Monitor Assemblies and other Firefighting Equipment</i>.</p>