

**Style 1702 & 1704
EN 15182:2019 DATA SHEET**

**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 1702 Turbojet™: 50, 100, 150, 230 lpm Style 1704 Turbojet™: 50, 70, 90, 115 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.



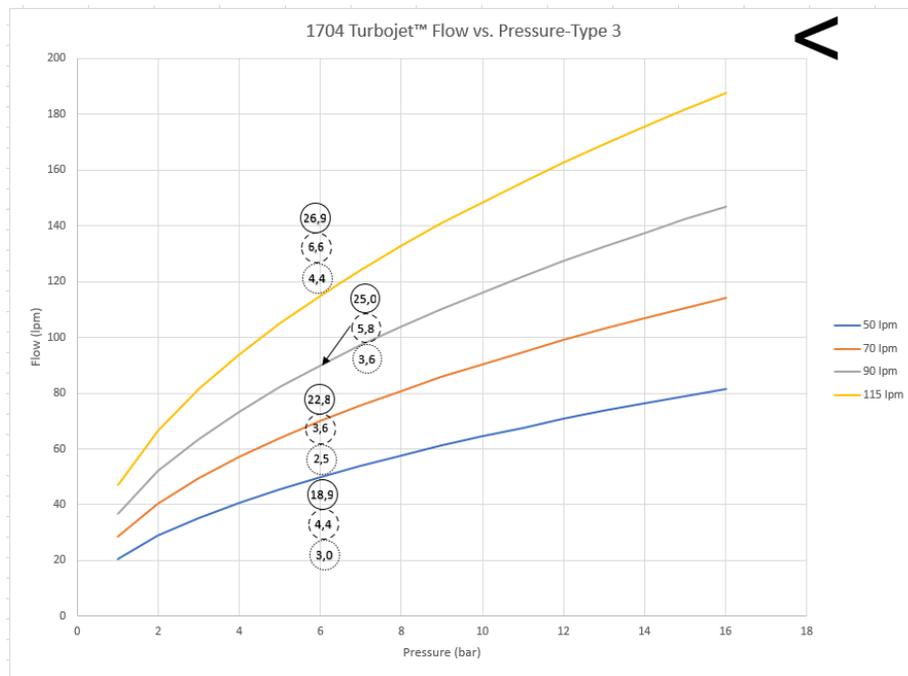
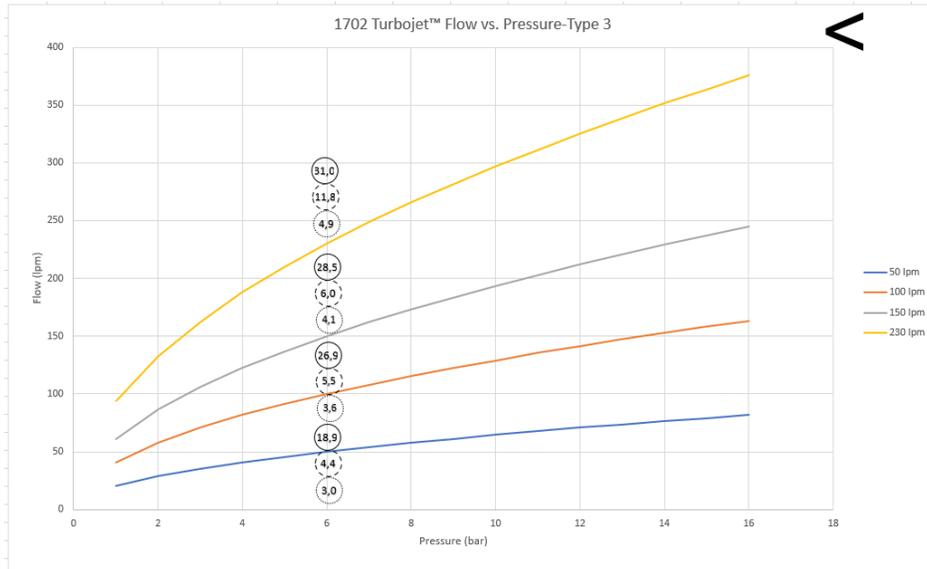
Key

- 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



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Key

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



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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
OPERATING AND HANDLING	Dimensions (mm)	≤450 x 300 x 150	232 x 222 x 116
	Mass (kg)	≤3,5	1,4
	Torques needed for moving operating elements (N.m)		
	-Lever*		Not applicable
	-Valve handle*	≤15	6,6
	Flow adjustment element	≤10	2,8
	Jet adjustment element	≤10	1,5
	Rotating inlet element	≤5	3,2
	Flow adjustment* Rotation from minimal to maximal flow	≤180°	Style 1702: 117° Style 1704: 87°
	Jet adjustment* Rotation from straight jet to wide spray jet with a minimal spray angle of 100°	≥70,≤180	Style 1702: 157° Style 1704: 95°

PERFORMANCE	Effective throw (m)	50 lpm: ≥12 70 lpm: ≥15 90 lpm: ≥17 100 lpm: ≥17.5 115 lpm: ≥18 150 lpm: ≥21 230 lpm: ≥26.5	50 lpm: 18.9 70 lpm: 22.8 90 lpm: 25.0 100 lpm: 26.9 115 lpm: 26.9 150 lpm: 28.5 230 lpm: 31.0
	Spray jet*		
	-Wide spray jet*: angle	≥100°	110°
	-Narrow spray jet*: angle	From 30° to 100°	40°



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PHYSICS	Sensitivity to frost (°C)	≤-15	-15 Fully operational
	Sensitivity to heat (°C)	≥55	55, Fully operational
	Non-obstruction test (mm)	3,18	3,18 passed through
	Burst pressure (bar)	≥60	60 no burst

D.6 Optional extra data (no requirements)

Ageing test	
-UV test	1. 720 Hours Carbon Arc Method per NFPA 1964-2013 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> .
-Ozone test	
Corrosion test	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> .

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