

Datasheet for Selectable hand-line nozzles 2366 for fire service use

C.1 General

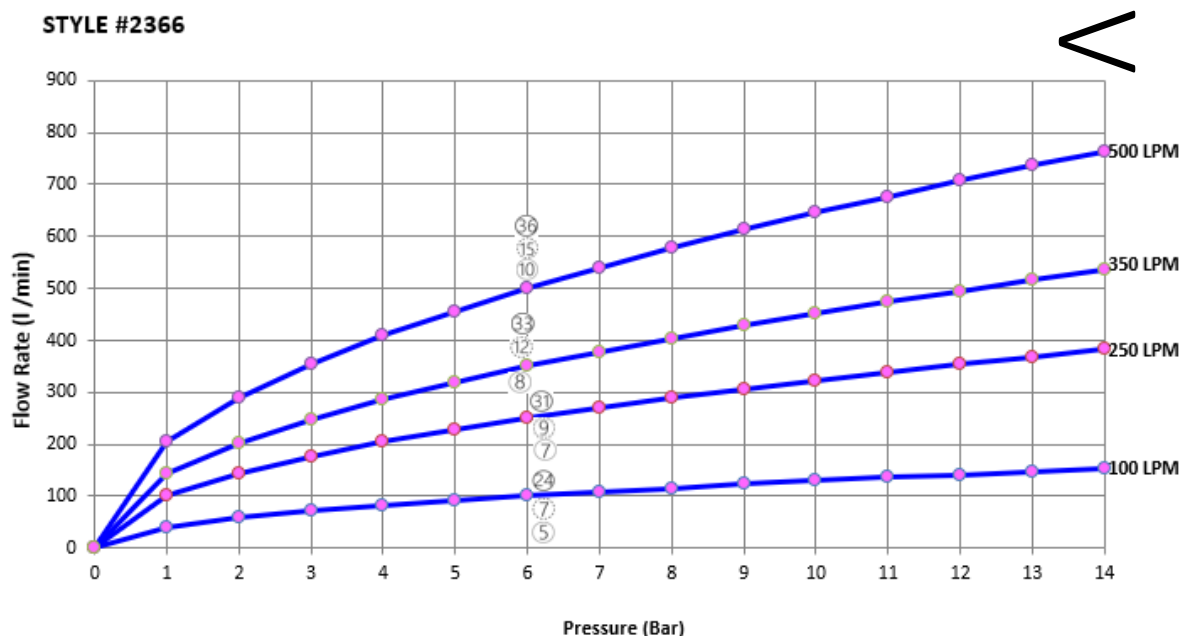
NOTE 1: The symbol * means "where applicable" in the whole datasheet.

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	Protek Manufacturing Corp. – Taiwan
1.2. Type	CEN-FLOW
1.3. Type according to EN 15182-1:2019, Annex A	EN 15182-2, Type 3
1.4. Flowrate settings * at [Pr] 6 bar	100-250-350-500 LPM
1.5. Type of spray *	Hollow cone

C.3 Flow - pressure chart



- | | | |
|---|----|---|
|  | 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) |
|  | NN | throw [m] |

C.4 Operational devices

4.1 Fitting system	Swivel
4.2 Gripping device	Pistol grip
4.3 Open / shut-off device*	Ball valve
4.4 Jet / spray system *	Handle operated ball valve
4.5 Flow adjustment system *	Rotating element (control ring)

C.5 Requirements

OPERATING AND HANDLING			
Item	Style	Required by EN 15182-2	Test result
Dimensions (mm)	2366	Max. 450 x 300 x 150	230 x 245 x 124
Mass (kg)	2366	≤ 3.5	1.8
Torques needed for moving operating elements (Nm)			
— Lever*		--	Not applicable
— Valve handle*	2366	≤ 15	PASS
Flow adjustment element	2366	≤ 10	PASS
Jet adjustment element	2366	≤ 10	PASS
Rotating inlet element	2366	≤ 5	PASS
Flow adjustment* Rotation from minimal to maximal flow	2366	$\leq 180^\circ$	90°
Jet adjustment* Rotation from straight jet to wide spray jet with a minimal spray angle of 100° .	2366	From 70° to 180°	100°

PERFORMANCES			
Item	Style	Required by EN 15182-2	Test result
Effective throw (m)	2366	≥ 35	36
Spray jet*			
— Wide spray jet*: angle	2366	$\geq 100^\circ$	140°
— Narrow spray jet*: angle	2366	From 30° to 100°	PASS

PHYSICS			
Item	Style	Required by EN 15182-2	Test result
Sensitivity to frost ($^\circ\text{C}$)	2366	≤ -15	PASS
Sensitivity to heat ($^\circ\text{C}$)	2366	≥ 55	PASS
Non-obstruction test (mm)	2366	≥ 4.76	PASS
Burst pressure (bar)	2366	≥ 60	PASS
Drop tests	2366	H=2M	PASS
Leak-tightness (bar)	2366	25.5	PASS

C.6 Optional extra data (no requirements)

Ageing test	
— UV test	
— Ozone test	
Corrosion test	HARDCOAT ANODIZED ALUMINIUM ALLOY CONSTRUCTION

C.7 Data certified by*: