

Fire Sprinkler Flow Meter

Description

LPCB approved sprinkler system flow meter that can be installed in automated systems, between flanges or with grooved couplings. Unit includes full bore isolating valves for meter isolation, filter cleaning or flow tube replacement, (spare supplied). The in-line filter avoids clogging of the bypass line or the flow restrictor with pipe debris. The bleed valves allow drainage of the metering section and/or venting of trapped air. Suitable for horizontal or vertical pipes.

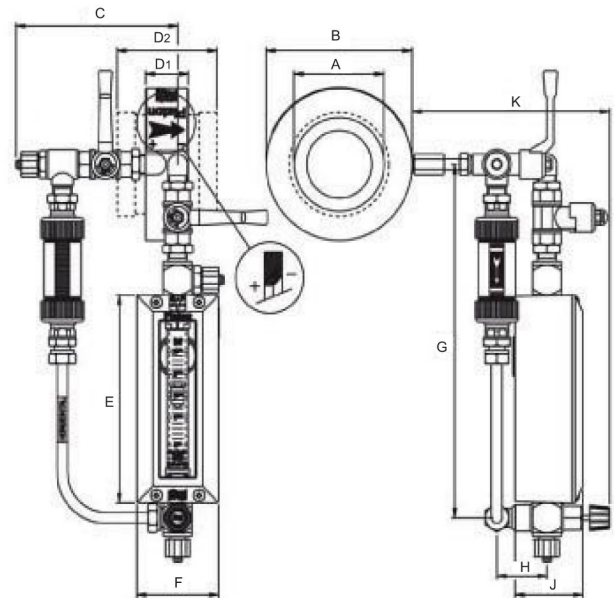


Pressure & Temperature

Max. Working Pressure	16 Bar
Max. Test Pressure	30 Bar
Max. Operating Temperature	80 °C

Material Specification

Orifice Plate	Stainless Steel mounted in a 38 mm thick, red polyester coated steel carrier ring
Measuring Tube	Borosilicate Glass with 100mm fused-in ceramic scale
Float	Stainless Steel
Accuracy	+5% at various test flows specified by LPCB
'O' Seals	Nitrile
Indicator Housing	Die-cast Aluminium with white polyester coating, black bezel and perspex window
Inpulse Pipe	Bright Nickel plated copper with plated brass connections
Insulating Valves	Full bore (8mm) brass ball valves bright nickel plated
Drain/Bleed Valves	Brass body, 316 Stainless Steel rod
Rodding Device	Brass body, 316 Stainless Steel rod
Filter Unit	316 Stainless Steel element with 1.5mm perforations, TPX tube, plated Brass connections and Nitrile 'O' seals

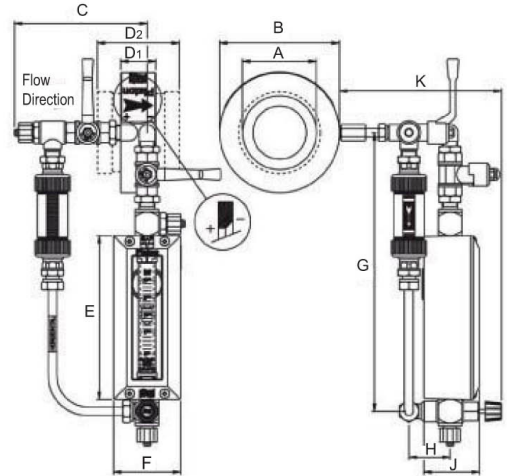
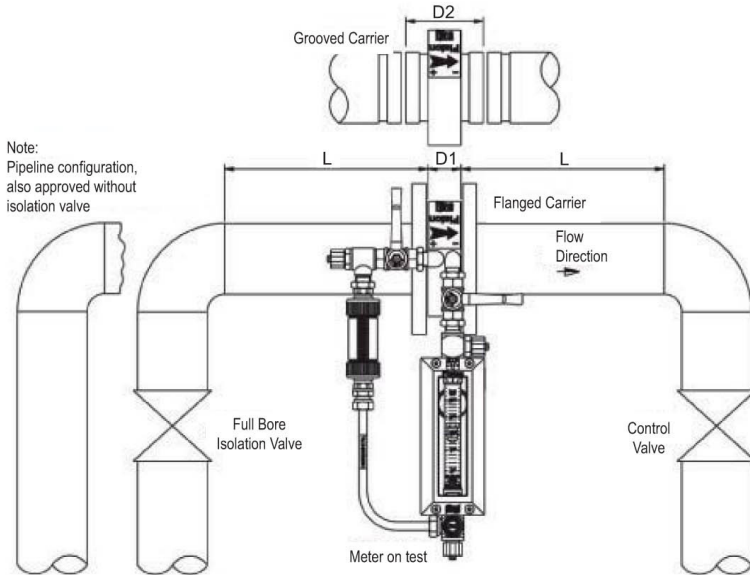


Typical horizontal pipe version - flow left to right

Flow Rate

Flowmeter Type	Flow Range (dm ³ /min)	LPCB Ref. No.	Test Flows (dm ³ /min) Tolerance +/- 5%
F1/5 DN50 Flanged	150 - 750	088a/05	500
F1/10 DN50 Grooved	150 - 750	088a/10	500
F1/6 DN80 Flanged	300 - 2300	088a/06	800, 1300
F1/11 DN80 Grooved	300 - 2300	088a/11	800, 1300
F1/7 DN100 Flanged	500 - 3500	088a/07	1500, 2200
F1/12 DN100 Grooved	500 - 3500	088a/12	1500, 2200
F1/8 DN150 Flanged	900 - 8200	088a/08	2500, 3500, 4500
F1/13 DN150 Grooved	900 - 8200	088a/13	2500, 3500, 4500
F1/9 DN200 Flanged	2500 - 12500	088a/09	5000, 7000, 9000
F1/14 DN200 Grooved	2500 - 12500	088a/14	5000, 7000, 9000

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Typical flange (horizontal)
Pipe version - flow left to right

Dimensions

A	B	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (mm)	K (mm)
Nominal Pipe Dia	Pitch Circle Dia (minus) Bolt Dia	133 max (Vertical) 150 max (Horizontal)	See below	178	73	305 max	45	60	180 max

Flow Rate

Flowmeter Type	D (mm)	L (mm)
DN50 Flanged	D1 = 38.1	250
DN50 Grooved	D2 = 89.1	250
DN80 Flanged	D1 = 38.1	400
DN80 Grooved	D2 = 89.1	400
DN100 Flanged	D1 = 38.1	500
DN100 Grooved	D2 = 89.1	500
DN150 Flanged	D1 = 38.1	750
DN150 Grooved	D2 = 98.1	750
DN200 Flanged	D1 = 38.1	1000
DN200 Grooved	D2 = 98.1	1000