

FIRESURE LPCB APPROVED

FLOWMETERS FOR SPRINKLER FIRE PUMP TESTING



Main Orifice Carrier	: 316 stainless steel flow orifice mounted in a polyester coated carbon steel carrier
Bypass Flow Indicator	: Nickel-plated copper tubing and brass connections; Stainless steel elements; Borosilicate glass indicator tube; Polycarbonate filter bowl; Viton seals
Pressure Test	: 30 bar Hydraulic
Maximum Operating Temperature	: 90°C
Connections	: Fire flange - Between flanges Firegroove - Using approved groove couplings
	: Certified to LPS1045. LPCB Ref. No. 464a/01-10
Accuracy	: ± 5% of flow reading
UKAS Flow Cert. No's	: 02635, 02636, 02637, 02638, 02639, 03099, 03100, 03101

Features & Benefits

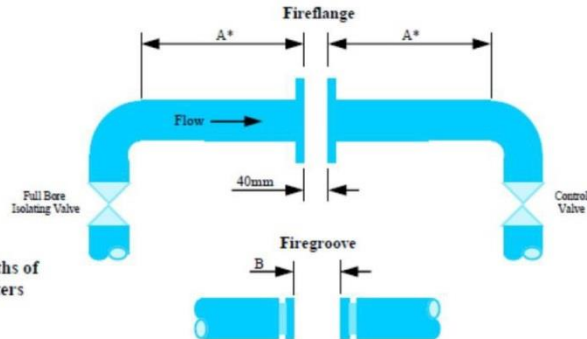
- LPCB Certification → Compliance with current standards
- Flange and Groove connection styles → Flexibility and speedier installation
- Extended flow ranges → Covers all test requirements
- Short installation run → Reduces construction costs
- Simple and versatile bypass configuration → Reduced installation effort
- Interchangeable flow tubes and restrictors → Low cost spares cover
- Ranges UKAS type tested → Traceability

Installation - Typical Pipeline Configurations

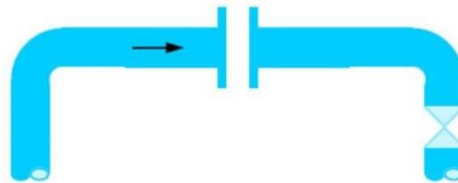
For use on horizontal or vertical pipe work.

Size (mm)	A* (mm)	B (mm)	Pipe Spec.
50	250	90	BS1387
80	400	90	BS1387
100	500	90	BS1387
150	750	90	BS1387
200	1000	100	BS3600

*minimum required lengths of straight pipe = 5 diameters



The preferred layout for most metering installations is shown above. It provides a means of isolating the meter for any servicing without disconnection of the water supply to the sprinkler installation. The water flow can be controlled using the downstream valve with the upstream isolation valve fully open.



SIZE & CONNECTION	RANGE	CARRIER 'W' THICKNESS	APPROVAL	ORDER CODE
	dm ³ /min	(MM)	LPCB Ref	
50 FLANGE	150-700	40	464a/01	FS50FL
80 FLANGE	300-1600	40	464a/02	FS80FL
100 FLANGE	500-3500	40	464a/03	FS100FL
150 FLANGE	900-7900	40	464a/04	FS150FL
200 FLANGE	2000-15000	40	464a/05	FS200FL
50 GROOVE	150-700	90	464a/06	FS50FG
80 GROOVE	300-1600	90	464a/07	FS80FG
100 GROOVE	500-3500	90	464a/08	FS100FG
150 GROOVE	900-7900	90	464a/09	FS150FG
200 GROOVE	2000-15000	100	464a/10	FS200FG

Typical Pipeline Configuration (Horizontal or Vertical):

