



Liquid In-line Flow Rate Monitors

For 1/8" - 2" Pipe Sizes - Style B

Ideal for accurately monitoring pump performance and media flows through hydraulic circuits and sub-circuits

CHOICE OF THREE MATERIALS OF CONSTRUCTION

Select from aluminum, brass or stainless steel to meet system and media compatibility requirements.

UNRESTRICTED MOUNTING

Allows the designer to install the meter in any orientation – horizontal, vertical or inverted.

SUPERIOR EXTERIOR DESIGN

Weather-tight for use outdoors and/or on systems where wash downs are required.

GOOD VISCOSITY STABILITY

A sharp-edged stainless steel orifice provides excellent measurement stability for viscosities from 0-500 SSU.

RUGGED AND RELIABLE

Designed as a hydraulic service tool, this meter will provide years of maintenance-free performance.

HIGH PRESSURE OPERATION

The magnetically coupled follower and rigid pressure vessel design allows operation to 6000 PSIG and use with opaque liquids.

24 DIFFERENT PORTS AVAILABLE

Standard selection of NPT, SAE and BSP ports reduces the amount of adapters required for installation.

LOW COST ACCURACY

± 2.5% of range accuracy in center third of scale; ±4% in upper and lower thirds.



BI-DIRECTIONAL AND REVERSE FLOW OPTION OFFERED

Basic in-line liquid flow rate meters are also available in bi-directional and reverse flow versions.

PERFORMANCE	
Measuring Accuracy	±2.5% of full-scale in the centre third ±4% in upper & lower thirds
Repeatability	±1% of full scale
Flow Measuring Range	0.05 to 150 GPM (0.2 to 560 LPM)
Maximum operating pressure	Aluminium & Brass monitors: 3,500PSIG (240Bar) Stainless Steel monitors: 6,000PSIG (410Bar)
Maximum operating temperature	116°C - Standard 316°C - High Temperature version
Standard calibration fluids	Oil monitors: DTE 25 @ 43°C, 0.873 sg Water monitors: tap water @ 21°C, 1.0 sg 74 micron filter or 200 mesh screen

MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)

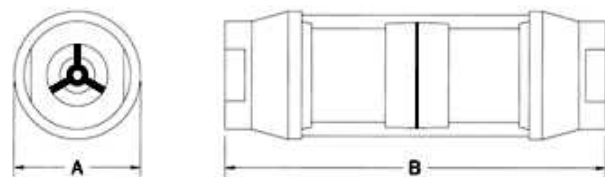
	Aluminium	Brass	Stainless Steel
High-pressure casing, end ports and tapered shaft Seals	Aluminium Buna-N (STD), EPR, Viton® or Kalrez®	Brass Buna-N (STD), EPR, Viton® or Kalrez®	#303 Stainless Steel Viton with Teflon® backup (STD) Buna-N, EPR, Viton® or Kalrez®
Transfer Magnet	Teflon® coated Alnico	Teflon® coated Alnico	Teflon® coated Alnico
Floating Orifice Disk	Stainless Steel	Stainless Steel	Stainless Steel
All other internal parts	Stainless Steel	Stainless Steel	Stainless Steel

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Viton & Kalrez are registered trademarks of Dow DuPont Elastomers

MATERIALS OF CONSTRUCTION (NON-WETTED COMPONENTS)

	Aluminium	Brass	Stainless Steel
Window Tube	Polycarbonate (STD)	Polycarbonate (STD)	Polycarbonate (STD)
Window Seals	Buna-N (STD), Teflon®	Buna-N (STD), Teflon®	Buna-N (STD), Teflon®

MECHANICAL SIZE CODE



Dim	Series 2	Series 3	Series 4	Series 5	Series 5
A	1-1/4" (32mm)	1-7/8" (48mm)	2-3/8" (60mm)	3-1/2" (90mm)	3-1/2" (90mm)
B	4-13/16" (122MM)	6-9/16" (167MM)	7-5/32" (182mm)	10-1/8" (258mm)	12-5/8" (322mm)
Port Sizes	NPTF: 1/8", 1/4"	NPTF: 1/4", 3/8", 1/2" SAE: #6, #8, #10 BSP: 3/8", 1/2"	NPTF: 3/4", 1" SAE: #12, #16 BSP: 3/4", 1"	NPTF: 1-1/4", 1-1/2" SAE: #20, #24 BSP: 1-1/4", 1-1/2"	NPTF: 2" SAE: #32 BSP: 2"



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