HIGH TEMPERATURE FLOW METER

High Temperature Flow Meter enables flow monitoring of barrel heating fluids, thermal transfer fluids such as Syltherm® coolant flows, hydraulic circuits and sub-circuits.



TECHNICAL SPECIFICATIONS

Measuring Accuracy

Liquids: ±2.0% of full scale

Air/Gas: ±2.5% of full scale in center third of measuring range; ±4.0% in upper &

lower thirds

Repeatability

±1% of full scale

Flow Measuring Range

0.1-150 GPM (0.4-560 LPM)

Maximum Operating Pressure¹

Liquids

Aluminum & brass: 3500 PSIG (240 Bar) Stainless steel: 6000 PSIG (410 Bar)

Air/Gas

Aluminum & brass: 600 PSIG (40 Bar) Stainless steel: 1000 PSIG (69 Bar)

Maximum Operating Temperature

H-Series 400°F (204°C) J-Series 600°F (315°C)²

Standard Calibration Fluids

Oil meters: DTE 25® @ 110°F (43°C),

0.873 sg

Water meters: water @ 70°F (21°C),

1.0 sg

Air meters: air @ 70°F (21°C), 1.0 sg

& 100 PSIG (6.8 bar)

Filtration Requirements

74 micron filter or 200 mesh screen minimum

Viscosity

Standard viscosities up to 110 cSt. For viscosities between 110 to 430 cSt contact factory.

¹Note: See Temperature/Pressure De-rating Chart on back. DTE 25 is a registered trademark of Exxon Mobil. ²Note: Series J stainless steel meters only

MATERIALS OF CONSTRUCTION (NON-WETTED COMPONENTS)

	Aluminum	Brass	Stainless Steel
Window Tube	Pyrex®	Pyrex®	Pyrex®
Window Seals	PTFE	PTFE	PTFE

Pyrex is a registered trademark of Corning Incorporated.

Choice of Materials

BENEFITS

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

Unrestricted Mounting

Allows for horizontal, vertical or inverted installation and does not require straight plumbing on inlet or outlet.

Multiple Ports Available

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

Bi-Directional and Reverse Flow Option Offered

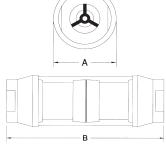
High temperature monitors are also available in bidirectional and reverse flow versions. Contact the factory for more information.

MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)

	Aluminum	Brass	Stainless Steel
Casing and End Ports	Anodized Aluminum	Brass	Stainless Steel
Seals H-Series (400°F) J-Series (600°F)	FKM w/ PTFE backup FFKM w/ PTFE backup	FKM w/ PTFE backup FFKM w/ PTFE backup	FKM w/ PTFE backup FFKM w/ PTFE backup
Transfer Magnet	PTFE coated Alnico	PTFE coated Alnico	PTFE coated Alnico
All other internal parts	Stainless Steel	Stainless Steel	Stainless Steel

MECHANICAL - SIZE CODE

DIM	Series 3	Series 4	Series 5	Series 5 (2" port only)
Α	1-7/8"	2-3/8"	3-1/2"	3-1/2"
	(48mm)	(60mm)	(90mm)	(90mm)
В	6-9/16"	7-5/32"	10-1/8"	12-5/8"
	(167 mm)	(182mm)	(258mm)	(322mm)

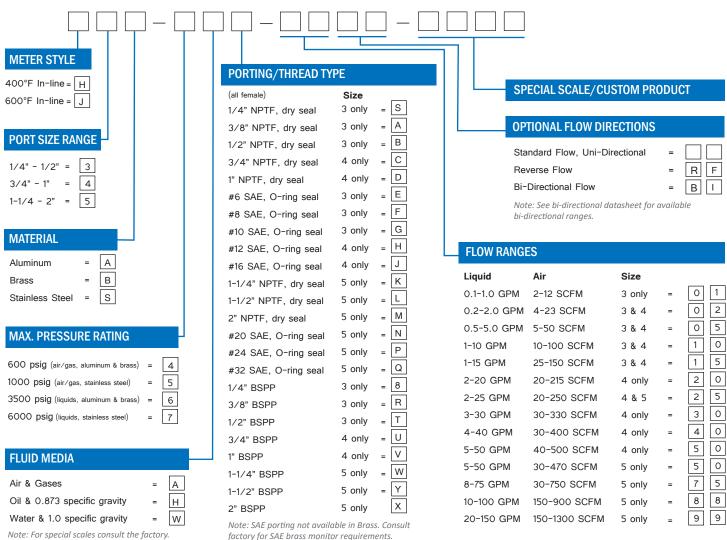




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PART NUMBER GUIDE



TEMPERATURE DE-RATING FOR ALUMINUM & BRASS METERS

