

HIGH TEMPERATURE FLOW METERS



<p>Measuring Accuracy ±2.0% of full scale</p> <p>Repeatability ±1% of full scale</p> <p>Flow Measuring Range 00.4-560 LPM, 2-1300 SCFM</p> <p>Maximum Operating Pressure Aluminum and brass meters: 240 Bar Stainless steel meters: 414 Bar (Derated over 150°C)</p> <p>Air/Gas Aluminum and brass meters: 40 Bar Stainless steel meters: 69 Bar</p>	<p>Maximum Operating Temperature H-Series 204°C J-Series 315°C</p> <p>Standard Calibration Fluids Oil meters: DTE 25® @ 43°C, 0.873 sg Water meters: water @ 21°C, 1.0 sg Air meters: air @ 21°C, 6.8 bar</p> <p>Filtration Requirements 74 micron filter or 200 mesh</p> <p>Viscosity Standard viscosities up to 110 cSt.</p>
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BENEFITS

Choice of Materials

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 (NON-WETTED COMPONENTS)

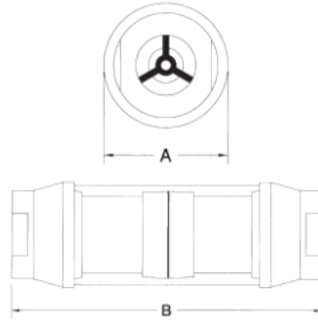
	Aluminium	Brass	Stainless Steel
Window Tube	Pyrex®	Pyrex®	Pyrex®
Window Seals	PTFE	PTFE	PTFE

MATERIALS OF CONSTRUCTION (WETTED COMPONENTS)

	Aluminium	Brass	Stainless Steel
Casing and End Ports	Anodized Aluminum	Brass	Stainless Steel
Seals			
H-Series (400°F)	FKM w/ PTFEbackup	FKMw/ PTFEbackup	FKMw/ PTFEbackup
J-Series (600°F)	FFKMw/ PTFEbackup	FFKMw/ PTFEbackup	FFKMw/ PTFEbackup
Transfer Magnet	PTFEcoated Alnico	PTFEcoated Alnico	PTFEcoated 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)
A	1-7/8" (48mm)	2-3/8" (60mm)	3-1/2" (90mm)	3-1/2" (90mm)
B	6-9/16" (167mm)	7-5/32" (182mm)	10-1/8" (258mm)	12-5/8" (322mm)



PART NUMBER GUIDE

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METER STYLE			PORTING/THREAD TYPE			SPECIAL SCALE/CUSTOM PRODUCT		
400°F In-line = H			(all female) Size 1/4" NPTF 3 only = S 3/8" NPTF 3 only = A 1/2" NPTF 3 only = B 3/4" NPTF 4 only = C 1" NPTF 4 only = D #6 SAE, O-ring seal 3 only = E #8 SAE, O-ring seal 3 only = F #10 SAE, O-ring seal 3 only = G #12 SAE, O-ring seal 4 only = H #16 SAE, O-ring seal 4 only = J 1-1/4" NPTF 5 only = K 1-1/2" NPTF 5 only = L 2" NPTF 5 only = M #20 SAE, O-ring seal 5 only = N #24 SAE, O-ring seal 5 only = P #32 SAE, O-ring seal 5 only = Q 1/4 BSPP 3 only = R 3/8" BSPP 3 only = T 1/2" BSPP 3 only = U 3/4" BSPP 4 only = V 1" BSPP 4 only = W 1-1/4" BSPP 5 only = X 1-1/2" BSPP 5 only = Y 2" BSPP 5 only = Z			Standard Flow, Uni-Directional = 		
600°F In-line = J						Reverse Flow = R F		
PORT SIZE			OPTIONAL FLOW DIRECTIONS			FLOW RANGES		
1/4" - 1/2" = 3			Water/ Oil Air Size 0.5-4 LPM 2.0-12 SCFM 3 only = 0 1 1-8 LPM 4-23 SCFM 3 & 4 = 0 2 2-19 LPM 5-50 SCFM 3 & 4 = 0 5 5-37.5 LPM 10-100 SCFM 3 & 4 = 1 0 5-55 LPM 25-150 SCFM 3 & 4 = 1 5 10-75 LPM 20-215 SCFM 4 only = 2 0 10-95 LPM 20-250 SCFM 4 & 5 = 2 5 15-115 LPM 30-330 SCFM 4 only = 3 0 20-150 LPM 30-400 SCFM 4 only = 4 0 20-190 LPM 40-500 SCFM 4 only = 5 0 30-280 LPM 30-750 SCFM 5 only = 7 5 50-375 LPM 150-900 SCFM 5 only = 8 8 100-550 LPM 150-1300 SCFM 5 only = 9 9					
3/4" - 1" = 4								
1-1/4" - 2" = 5								
MATERIAL								
Aluminum = A								
Brass = B								
Stainless Steel = S								
MAX. PRESSURE								
40 Bar (air & gas, aluminum & brass) = 4								
69 Bar (air & gas, stainless steel) = 5								
241 Bar (liquids, aluminum & brass) = 6								
414 Bar (liquids, stainless steel) = 7								
FLUID MEDIA								
Air & Gases = A								
Oil @ 0.873 SG = H								
Water @ 1.0 SG = W								

Note: SAE porting not available in Brass.