

F-452

Variable Area Flow Meter



Features

- > Polysulfone body resists high temperatures and pressures
- > In-line or panel mount configurations available
- > Indoor use only
- > Full scale accuracy +/- 2%
- > 316SS float & guide-wire

Highlights

Flow range

2 - 175 GPM
8 - 675 LPM

Pressures up to

150 PSI
(10.3 bar)

Max. fluid temp.

200 °F
93 °C

Body

Polysulfone

Adapters

2.0" F/NPT

Warranty

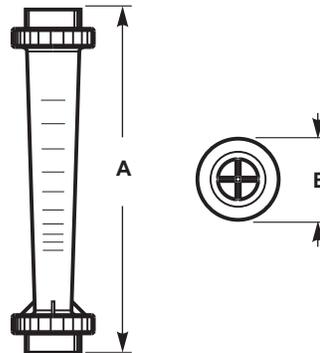
1 Year



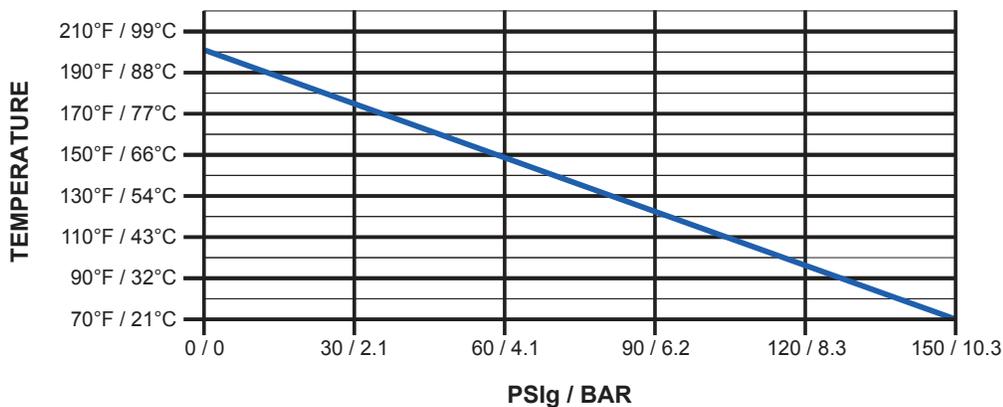
Maximum Working Pressure	150 PSI (10.3 bar) @ 70 °F (21 °C)
Maximum Fluid Temperature	200 °F (93 °C) @ 0 PSI
Full Scale Accuracy	+/- 2%
Calibration Fluid	Water, specific gravity 1.0
Scale Length	8" (200mm)
Environment	Not for direct sunlight exposure
Maximum Pressure Drop	2 PSI
Approximate Shipping Weight	5 lb. (2.27 kg)

Dimensions

Dim	Inch	cm
A	18-7/8"	47.9
B	4-5/8"	11.7



Temperature vs. Pressure



Non-wetted Components:

Union Nuts	Fiber reinforced nylon
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Wetted Components:

Meter Body	Polysulfone
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Adapters	Polysulfone
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Guide Rod Holder	Polysulfone
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O-ring Seals	FKM (optional EP)
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Float	316SS or PTFE (varies per model)
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Guide Rod	316SS
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Optional Shield	Polycarbonate
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Output Specifications

Model	Dual Scale Range		Max Pressure	Max Temperature	Float Material
	GPM	LPM	PSI (bar)	°F (°C)	
F-452020L	2–20	8–78	150 (10.3)	70 (21)	PTFE
F-452060L	6–60	30–230	150 (10.3)	70 (21)	316SS
F-452080L	8–80	40–300	150 (10.3)	70 (21)	316SS
F-452100L	6–100	20–380	150 (10.3)	70 (21)	316SS
F-452130L	20–130	80–500	150 (10.3)	70 (21)	316SS
F-452175L	25–175	100–675	150 (10.3)	70 (21)	316SS

Model Number Matrix

F-452 Model Number

F	Flow Meter						
	Series						
	452	F-452 Polysulfone Body					
		Scale					
		020	2 - 20 gpm (8 - 78 lpm) Teflon Float				
		060	6 - 60 gpm (30 - 230 lpm) 316ss Float				
		080	8 - 80 gpm (40 - 300 lpm) 316ss Float				
		100	6 - 100 gpm (20 - 380 lpm) 316ss Float				
		130	20 - 130 gpm (80 - 500 lpm) 316ss Float				
		175	25 - 175 gpm (100 - 675 lpm) 316ss Float				
			Guide-Wire Material				
			LHN	316 Stainless steel rod			
				Special			
				(Blank)	Standard Meter		
					Adapter		
					(Blank)	2.0" Female NPT, Polysulfone	
						O-Rings	
					(Blank)	FKM	
					-22T	EP	
F	-	452	020	LHN			Sample Model Number

*In-house NIST Calibration, OEM packaging and silicone oil free options are also available.

Optional Accessories and Components

Polycarbonate Shield Kit KIT-SHL
(Includes shield and two grooved unions. Some assembly required.)

