

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

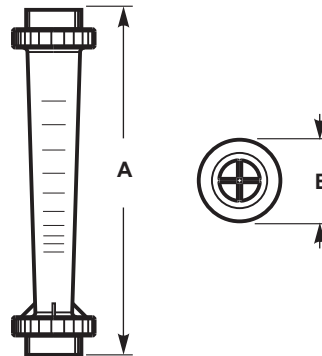
1 Year



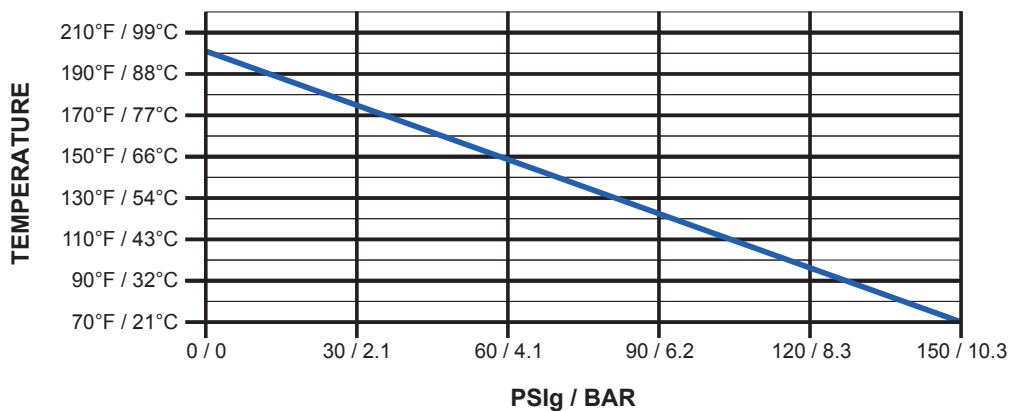
Maximum Working Pressure	150 PSI (10.3 bar) @ 70 °F (21 °C)
Maximum Fluid Temperature	200 °F (93 °C) @ 0 PSI
Full Scale Accuracy	+/- 2%
Calibration Fluid	Water, specific gravity 1.0
Scale Length	8" (200mm)
Environment	Not for direct sunlight exposure
Maximum Pressure Drop	2 PSI
Approximate Shipping Weight	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
Adapters	Polysulfone
Guide Rod Holder	Polysulfone
O-ring Seals	Viton® (optional EP)
Float	316SS or PTFE (varies per model)
Guide Rod	316SS
Optional Shield	Polycarbonate

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)	Viton				
	-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.)