

F-460

Variable Area Flow Meter



Features

- > Polysulfone body resists high temperatures and pressures
- > Ultrapure - No metal in fluid path
- > Indoor use only
- > Full scale accuracy +/- 2.5%
- > PTFE float for corrosive applications

Highlights

Flow range

0.1 - 5.0 GPM
0.4 - 20.0 LPM

Pressures up to

150 PSI
(10.3 bar)

Max. fluid temp.

210 °F / 98 °C (PVDF)
130 °F / 54 °C (PVC)

Body

Polysulfone

Adapters

1/2" & 3/4" F/NPT

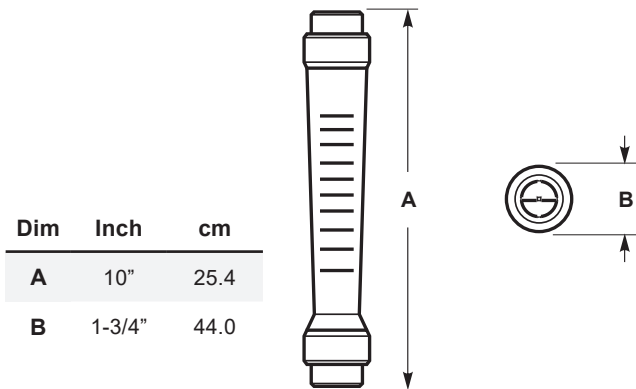
Warranty

1 Year

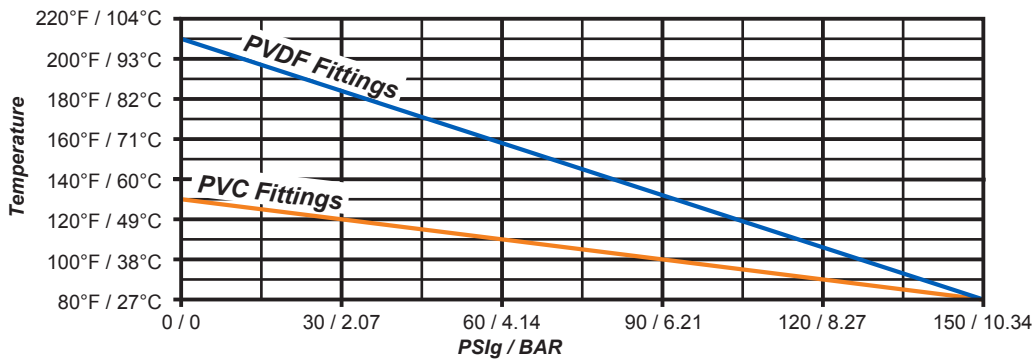


Maximum Working Pressure	150 PSI (10.3 bar) @ 70 °F (21 °C)
Maximum Fluid Temperature	PVC adapters: 54 °C (130 °F) @ 0 Bar PVDF adapters: 98 °C (210 °F) @ 0 Bar
Full Scale Accuracy	+/- 2.5%
Calibration Fluid	Water, specific gravity 1.0
Scale Length	4" (100mm)
Environment	Not for direct sunlight exposure
Maximum Pressure Drop	2 PSI
Approximate Shipping Weight	1 lb. (0.45 kg)

Dimensions



Maximum Temperature vs. Pressure



Non-wetted Components:		Wetted Components:	
Union Nuts	PVC (optional Anodized aluminum)	Meter Body	Polysulfone
		Adapters	PVC (optional PVDF)
		O-ring Seals	Viton®
		Float	PTFE
		Float Stop	Polysulfone

Output Specifications

Model	Dual Scale Range		Max Pressure	Max Temperature	Float Material
	GPM	LPM	PSI (bar)	°F (°C)	
F-46010L	0.1–1.2	0.4–4.4	150 (10.3)	70 (21)	PTFE
F-46020L	0.2–2.0	0.2–2.0	150 (10.3)	70 (21)	PTFE
F-46030L	0.3–3.0	1.0–11	150 (10.3)	70 (21)	PTFE
F-46050L	0.5–5.0	2.0–20	150 (10.3)	70 (21)	PTFE

Model Number Matrix

F-460 Model Number

F	Flow Meter						
Series							
	460	F-460 Polysulfone body					
Scale							
	10	0.1 - 1.2 gpm (0.4 - 4.4 lpm) Teflon Float					
	20	0.2 - 2.0 gpm (0.8 - 8.0 lpm) Teflon Float					
	30	0.3 - 3.0 gpm (1.0 - 11 lpm) Teflon Float					
	50	0.5 - 5.0 gpm (2.0 - 20 lpm) Teflon Float					
Union							
	LX	Aluminum union					
	LP	PVC union					
Adapter							
	08P	0.5" Female NPT, PVC					
	08K	0.5" Female NPT, PVDF					
	11P	20mm Slip, PVC					
	12P	0.75" Female NPT, PVC					
	12K	0.75" Female NPT, PVDF					
F	-	460	10	LX	-	08P	Sample Model Number

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