

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

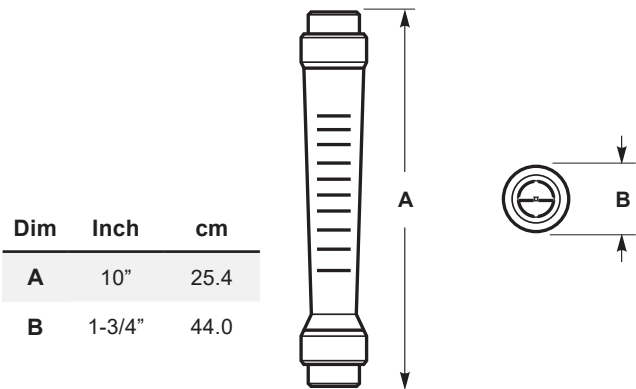
Warranty

1 Year

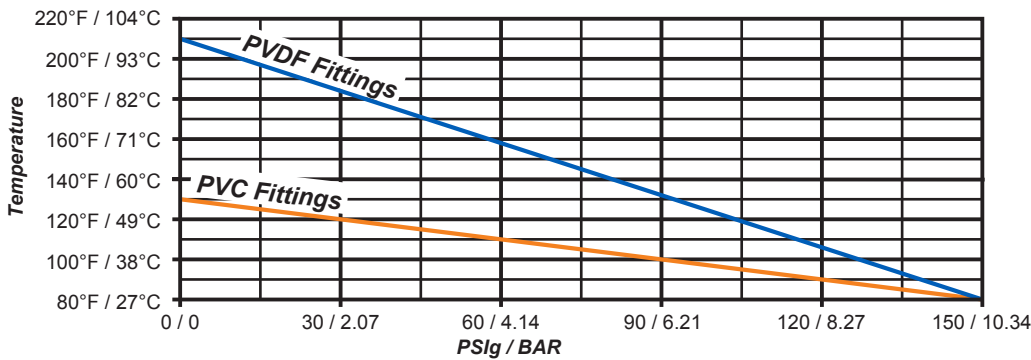


Maximum Working Pressure	150 PSI (10.3 bar) @ 70 °F (21 °C)
Maximum Fluid Temperature	PVC adapters: 54 °C (130 °F) @ 0 Bar
	PVDF adapters: 98 °C (210 °F) @ 0 Bar
Full Scale Accuracy	+/- 2.5%
Calibration Fluid	Water, specific gravity 1.0
Scale Length	4" (100mm)
Environment	Not for direct sunlight exposure
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	FKM (optional EP)
		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								
12P		0.75" Female NPT, PVC								
12K		0.75" Female NPT, PVDF								
O-Rings										
(Blank)		FKM								
-22Q		EP								
F	-	460	10	LX	-	08P		Sample Model Number		

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