

Blue White®

Engineering and Technical Data

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

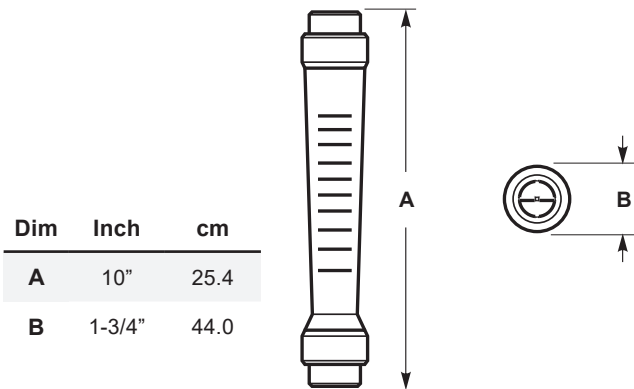
Warranty

1 Year

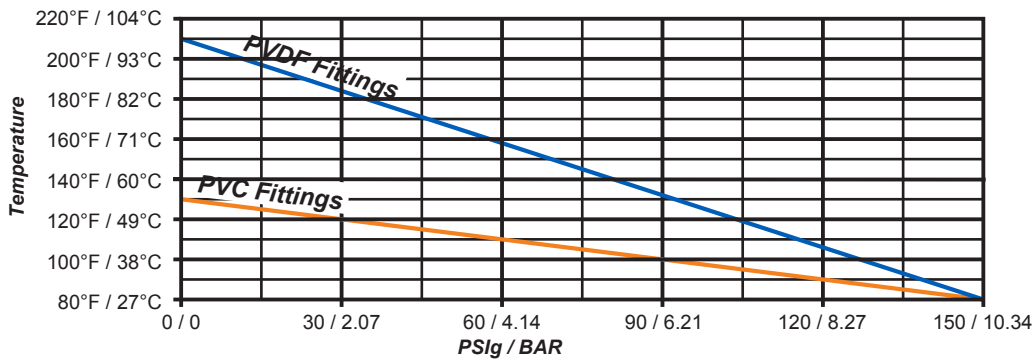


Maximum Working Pressure	150 PSI (10.3 bar) @ 70 °F (21 °C)
Maximum Fluid Temperature	PVC adapters: 54 °C (130 °F) @ 0 Bar PVDF adapters: 98 °C (210 °F) @ 0 Bar
Full Scale Accuracy	+/- 2.5%
Calibration Fluid	Water, specific gravity 1.0
Scale Length	4" (100mm)
Environment	Not for direct sunlight exposure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

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

