

# 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

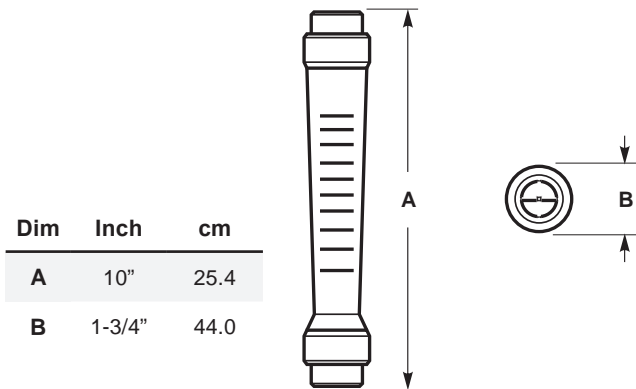
**Warranty**

1 Year

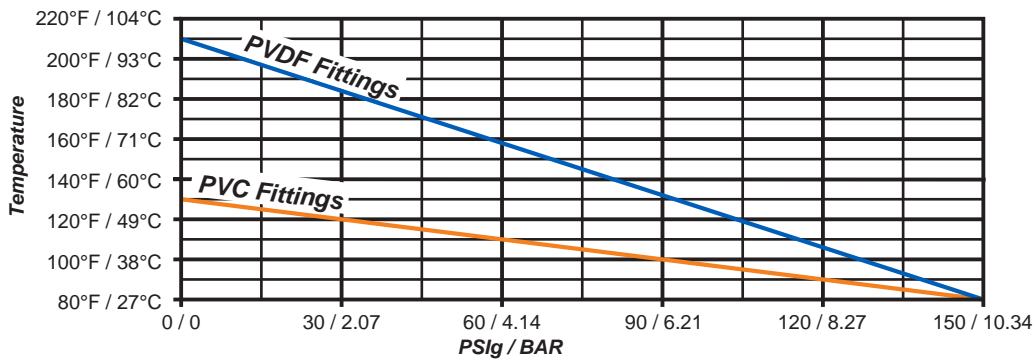


<b>Maximum Working Pressure</b>	150 PSI (10.3 bar) @ 70 °F (21 °C)
<b>Maximum Fluid Temperature</b>	PVC adapters: 54 °C (130 °F) @ 0 Bar PVDF adapters: 98 °C (210 °F) @ 0 Bar
<b>Full Scale Accuracy</b>	+/- 2.5%
<b>Calibration Fluid</b>	Water, specific gravity 1.0
<b>Scale Length</b>	4" (100mm)
<b>Environment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

## Dimensions



## Maximum Temperature vs. Pressure



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

<b>F</b>	Flow Meter						
<b>Series</b>							
	<b>460</b>	F-460 Polysulfone body					
<b>Scale</b>							
	<b>10</b>	0.1 - 1.2 gpm ( 0.4 - 4.4 lpm) Teflon Float					
	<b>20</b>	0.2 - 2.0 gpm (0.8 - 8.0 lpm) Teflon Float					
	<b>30</b>	0.3 - 3.0 gpm (1.0 - 11 lpm) Teflon Float					
	<b>50</b>	0.5 - 5.0 gpm (2.0 - 20 lpm) Teflon Float					
<b>Union</b>							
	<b>LX</b>	Aluminum union					
	<b>LP</b>	PVC union					
<b>Adapter</b>							
	<b>08P</b>	0.5" Female NPT, PVC					
	<b>08K</b>	0.5" Female NPT, PVDF					
	<b>12P</b>	0.75" Female NPT, PVC					
	<b>12K</b>	0.75" Female NPT, PVDF					
<b>O-Rings</b>							
	<b>(Blank)</b>	Viton					
	<b>-22Q</b>	EP					
<b>F</b>	<b>-</b>	<b>460</b>	<b>10</b>	<b>LX</b>	<b>-</b>	<b>08P</b>	<b>Sample Model Number</b>

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