

# F-440

## Variable Area Flow Meter

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### Features

- > Polysulfone body resists high temperatures and pressures
- > In-line or panel mount configurations available
- > Indoor use only
- > Full scale accuracy +/- 4%
- > 316ss float & guide-wire

### Highlights

**Flow range**

0.025–10 GPM  
0.1–37.5 LPM

**Pressures**

175 PSI  
(12 bar)

**Max. fluid temp**

212 °F  
100 °C

**Body**

Polysulfone

**Adapters**

1/4" - 3/4" M/NPT

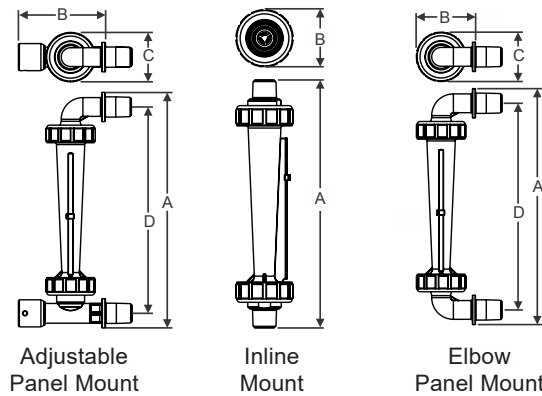
**Warranty**

1 Year



<b>Maximum Working Pressure</b>	175 PSI (10.3 bar) @ 70 °F (21 °C)
<b>Maximum Fluid Temperature</b>	212 °F (100 °C) @ 0 PSI
<b>Full Scale Accuracy</b>	+/- 4%
<b>Calibration Fluid</b>	water, specific gravity 1.0
<b>Scale Length</b>	2" (50mm) approx.
<b>Environment</b>	Not for direct sunlight exposure
<b>Approximate Shipping Weight</b>	0.5 lb. (0.23 kg)

## Dimensions



	Pipe Size	A	B	C	D
Inline	F-44250	6-3/16" 157mm	1-11/16" (43mm)	N/A	N/A
	F-44330				
	F-44375				
	F-44376				
	F-44500				
	F-44560				
	F-44750	7-1/2" (191mm)	2" (51mm)	N/A	N/A
Elbow	F-44250E	7" (178mm)	3" (76mm)	1-11/16" (43mm)	5-15/16" (151mm)
	F-44330E				
	F-44375E				
	F-44376E				
	F-44500E				
	F-44560E				
F-44750E	8-1/8" (206mm)	3" (76mm)	2" (51mm)	6-13/16" (173mm)	
Adjustable	F-44250EA	7" (178mm)	4-1/2" (114mm)	1-11/16" (43mm)	6" (152mm)
	F-44330EA				
	F-44375EA				
	F-44376EA				
	F-44500EA				
	F-44560EA				

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**Non-wetted Components:**

**Union Nuts**                  Nylon

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**Wetted Components:**

**Meter Body**                  Polysulfone

**Adapters**                      Polysulfone M/NPT (Optional F/NPT available)

**Guide Rod Holder**          Polysulfone

**O-ring Seals**                Viton®

**Float**                            316SS, PVDF, Hastelloy or PTFE (per model)

**Guide Rod**                      316SS

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## Output Specifications

Model	Dual Scale Range		Float Material
	GPM	LPM	
F-44250L	0.025–0.250	0.1–1.0	PVDF
F-44375L	0.1–1.0	0.4–4.0	316 SS
F-44376L	0.2–2.0	0.75–7.5	316 SS
F-44500L	0.5–5.0	1.8–18.0	316 SS
F-44750L	1.0–10.0	5.0–37.5	316 SS
	GPH	LPH	
F-44330L	3.0–30.0	10–110	PTFE
F-44560L	5.0–60.0	20–220	316 SS

# Model Number Matrix

## F-440 Model Number

<b>F</b>	Flow Meter									
<b>Series</b>										
	<b>44</b>	F-440 Polysulfone Body								
<b>Scale</b>										
	<b>250</b>	0.025 - .250 gpm (0.1 - 1.0 lpm) PVDF Float								
	<b>330</b>	3.0 - 30 gph (10 - 110 lph) PTFE Float								
	<b>375</b>	0.1 - 1.0 gpm (0.4 - 4.0 lpm) 316ss Float								
	<b>376</b>	0.2 - 2.0 gpm (0.8 - 8.0 lpm) 316ss Float								
	<b>500</b>	0.5 - 5.0 gpm (1.8 - 18.0 lpm) 316ss Float								
	<b>560</b>	5.0 - 60 gph (20 - 220 lph) 316ss Float								
	<b>750</b>	1.0 - 10 gpm (5.0 - 37.5 lpm) 316ss Float (See compatible adapter options below.)								
<b>Guide-Wire Material</b>										
	<b>L</b>	3/16" Stainless steel rod								
<b>Installation</b>										
	<b>(Blank)</b>	In-Line Model								
	<b>E</b>	Panel Mount Model (6, 8 and 12 adapter options only)								
	<b>A</b>	Adjustable Panel Mount Model (6, 8 and 12 adapter options only)								
	<b>U</b>	Aluminum Union and Polysulfone Adapter (8 and 12 adapter options only)								
<b>Adapter</b>				<b>Adapter (For 750)</b>						
	<b>6</b>	.375" Male npt Polysulfone Adapter and Union				<b>8</b>	.50" Male npt Polysulfone Adapter and Union			
	<b>8P</b>	.50" Male npt PVC Adapter and Union				<b>12</b>	.75" Male npt Polysulfone Adapter and Union			
	<b>8PU</b>	.50" Male npt with PVC Unions & Polysulfone Adapter				<b>12P</b>	.75" Male npt PVC Adapter and Union			
						<b>25M</b>	25mm Slip PVC adapter & Polysulfone Union			
<b>F</b>	<b>-</b>	<b>44</b>	<b>250</b>	<b>L</b>	<b>-</b>	<b>6</b>	<b>Sample Model Number</b>			

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