

# F-452

## 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 +/- 2%
- > 316SS float & guide-wire

### Highlights

**Flow range**

2 - 175 GPM  
8 - 675 LPM

**Pressures up to**

150 PSI  
(10.3 bar)

**Max. fluid temp.**

200 °F  
93 °C

**Body**

Polysulfone

**Adapters**

2.0" F/NPT

**Warranty**

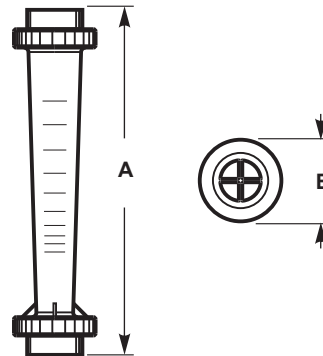
1 Year



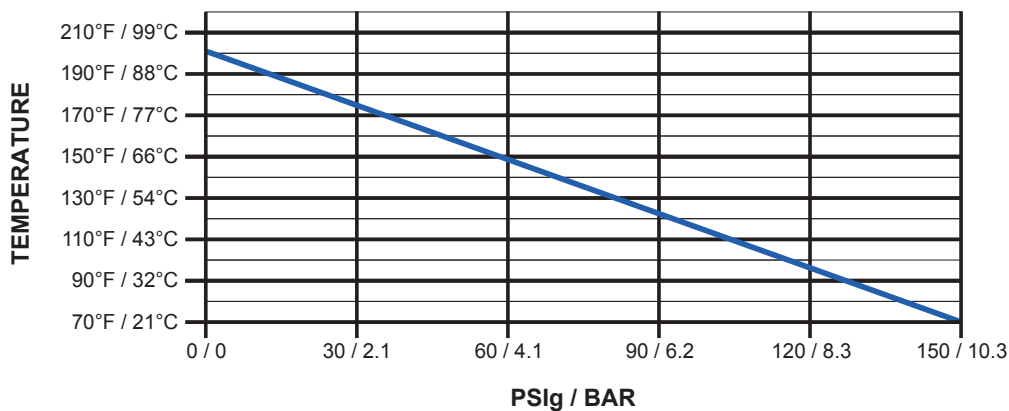
<b>Maximum Working Pressure</b>	150 PSI (10.3 bar) @ 70 °F (21 °C)
<b>Maximum Fluid Temperature</b>	200 °F (93 °C) @ 0 PSI
<b>Full Scale Accuracy</b>	+/- 2%
<b>Calibration Fluid</b>	Water, specific gravity 1.0
<b>Scale Length</b>	8" (200mm)
<b>Environment</b>	Not for direct sunlight exposure
<b>Maximum Pressure Drop</b>	2 PSI
<b>Approximate Shipping Weight</b>	5 lb. (2.27 kg)

## Dimensions

Dim	Inch	cm
A	18-7/8"	47.9
B	4-5/8"	11.7



## Temperature vs. Pressure



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## Non-wetted Components:

<b>Union Nuts</b>	Fiber reinforced nylon
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## Wetted Components:

<b>Meter Body</b>	Polysulfone
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<b>Adapters</b>	Polysulfone
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<b>Guide Rod Holder</b>	Polysulfone
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<b>O-ring Seals</b>	Viton®
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<b>Float</b>	316SS or PTFE (varies per model)
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<b>Guide Rod</b>	316SS
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<b>Optional Shield</b>	Polycarbonate
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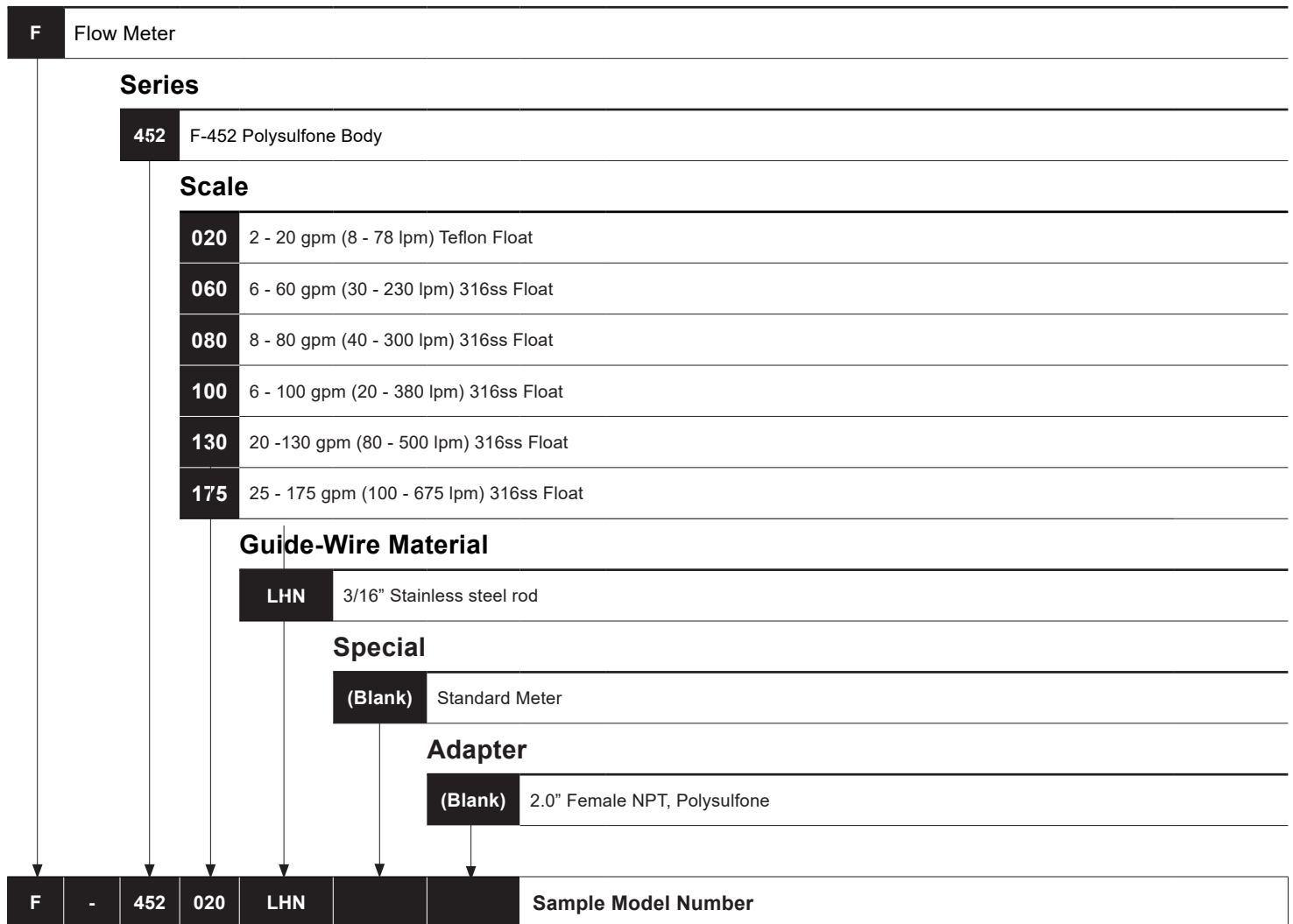
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## Output Specifications

Model	Dual Scale Range		Max Pressure	Max Temperature	Float Material
	GPM	LPM	PSI (bar)	°F (°C)	
F-452020L	2–20	8–78	150 (10.3)	70 (21)	PTFE
F-452060L	6–60	30–230	150 (10.3)	70 (21)	316SS
F-452080L	8–80	40–300	150 (10.3)	70 (21)	316SS
F-452100L	6–100	20–380	150 (10.3)	70 (21)	316SS
F-452130L	20–130	80–500	150 (10.3)	70 (21)	316SS
F-452175L	25–175	100–675	150 (10.3)	70 (21)	316SS

# Model Number Matrix

## F-452 Model Number



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

**Optional Accessories and Components**  
Polycarbonate Shield Kit