

F-420

Variable Area Flow Meter



Features

- > Durable, highly polished, one piece meter body
- > Annealed for added strength and chemical resistance
- > Acceptable in direct sunlight
- > Full scale accuracy +/- 5%
- > 316SS float & guide-wire

Highlights

Flow range

5.0 - 50 GPM
20 - 200 LPM

Pressures up to

130 PSI
(8.9 bar)

Max. fluid temp.

130 °F
54 °C

Body

Acrylic

Adapters

1.0" F/NPT
1.5" M/NPT

Warranty

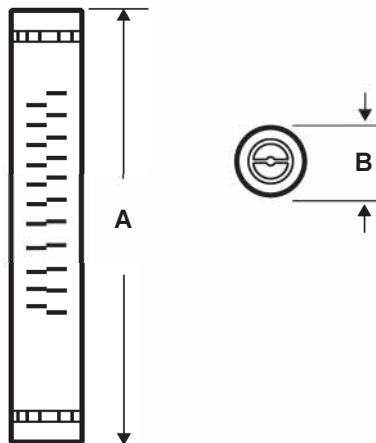
1 Year



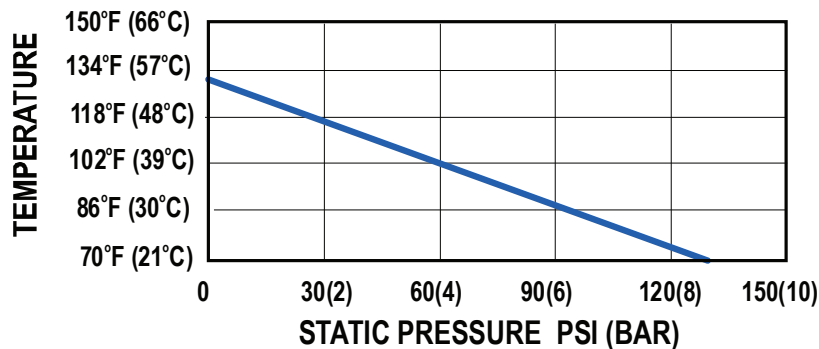
Maximum Working Pressure	130 PSI (8.9 bar) @ 70 °F (21 °C)
Maximum Fluid Temperature	130 °F (54 °C) @ 0 PSI
Full Scale Accuracy	+/- 5%
Calibration Fluid	Water, specific gravity 1.0
Scale Length	5" (125mm)
Environment	Acceptable for direct sunlight exposure
Maximum Pressure Drop	2 PSI
Approximate Shipping Weight	2 lb (.91kg)

Dimensions

Dim	Inch	cm
A	12"	30.5
B	2"	5.1



Maximum Temperature vs. Pressure



Wetted Components:

Meter Body	Cast acrylic rod
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Adapters	PVC
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Guide Rod Holder	Polysulfone
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O-ring Seals	FKM (optional EP)
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Float	316SS
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Guide Rod	316SS
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Output Specifications

Model	Feed Rate		Max Pressure	Max Temperature	Float Material
	GPM	LPM	PSI (bar)	°F (°C)	
F-42025LN	5 - 25	20 - 100	130 (8.9)	70 (21)	316SS
F-42040LN	8 - 40	30 - 150	130 (8.9)	70 (21)	316SS
F-42050LN	10 - 50	40 - 200	130 (8.9)	70 (21)	316SS

Model Number Matrix

F-420 Model Number

F	Flow Meter					
Series						
	420	F-420 Acrylic Body				
Scale						
	25	5-25 gpm (20 - 100 lpm) 316ss float				
	40	8-40 gpm (30 - 150 lpm) 316ss float				
	50	10-50 gpm (40 - 200 lpm) 316ss float				
Guide-Wire Material						
	LN	316 Stainless steel rod				
Adapter						
	(Blank)	1.5" Male NPT, PVC				
	-16	1.0" Female NPT, PVC				
O-Rings						
	(Blank)	FKM				
	-E	EP				
F	-	420	25	LN		Sample Model Number

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