

FS-480 Series – Stainless Steel Flow Switch for Large Flow, Low Pressure Drop

Flow Rate Settings: 0.50 GPM to 3.00 GPM
Port Size: 1/2-14 NPT, 3/4-14 NPT, 1/2" Tube Compression Fitting
Primary Construction Material: 316 Stainless Steel
Setting Type: Fixed

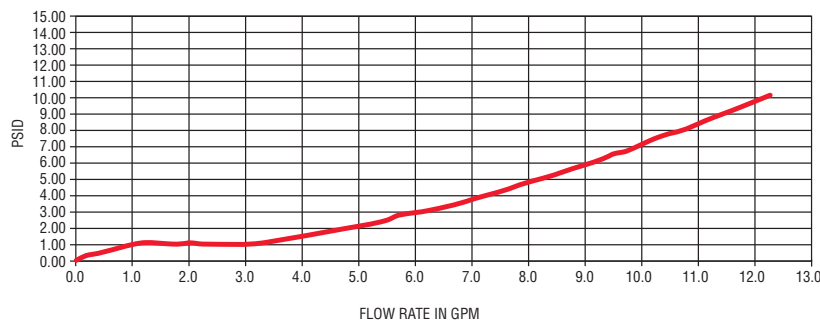
The FS-480 large-body inline flow switch delivers ample flow rates with minimal pressure drop. 25% larger than its FS-380 sibling, the FS-480 is ideal for processes that push more fluid through their systems and demand low pressure drops. Designed to accommodate the Semiconductor Industry's move to larger 300 mm wafer and cross-over equipment, this switch is also perfect for critical medical equipment applications. A glass-reinforced PPS piston and forged 316 stainless steel body make this sensor rugged enough for high pressure lubrication and cooling systems as well. This simple, yet meticulously perfected design provides the reliability required in critical applications while allowing for much lower pressure drop rates than other available switches.

Specifications

Wetted Materials	316 Stainless Steel
Housing/End Fitting	316 Stainless Steel
Piston	PPS, Epoxy
Spring	316 Stainless Steel
O-Ring	Fluorocarbon
Operating Pressure, Maximum	1000 PSI (69 bar)
Operating Temperature	-20°F to +250°F (-28.8°C to +121°C)
Set Point Accuracy	±20% Maximum
Set Point Differential	20% Maximum
Recommended Filtration	100 Micron or better
Switch*	SPST, 20VA, 120/240 VAC, N.O. at no Flow
Electrical Termination	No. 22 AWG, 24" PVC Cable

*See "Electrical Data" on Page X-5 for more information.

Pressure Drop – Typical 1.0 GPM Set Point



How To Order – Standard Models

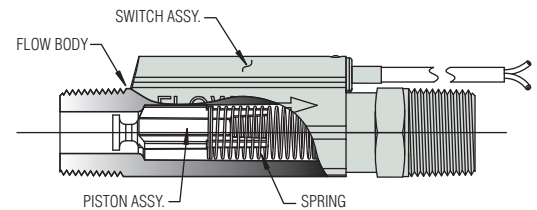
Specify Part Number based on flow settings.

Flow Settings* GPM	1/2-14 NPT Port	3/4-14 NPT Port	1/2" Tube Compression Fitting
0.50	206915	204715	204710
1.00	206916	204716	204711
1.50	206917	204717	204712
2.00	206918	204718	204713
3.00	206919	204719	204714

*Calibrated with unit in horizontal position.



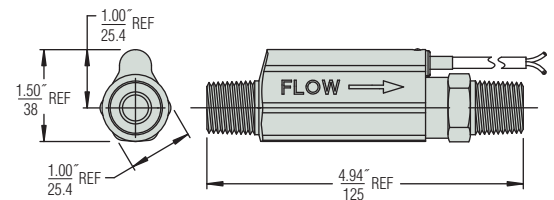
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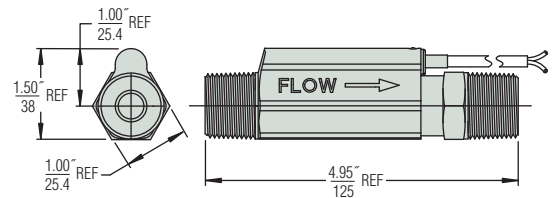
Straight design and large bore body minimizes pressure drop.

Dimensions

1/2-14 NPT Ports



3/4-14 NPT Ports



1/2" Tube End Compression Fitting

