

# 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" NPT, 3/4" NPT, 1/2" Tube Compression Fitting  
**Primary Construction Material:** 316 Stainless Steel  
**Setting Type:** Fixed

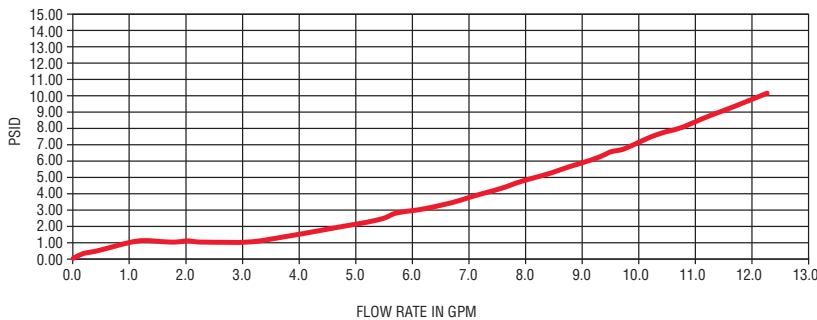
The FS-480 large-body inline flow switch delivers ample flow rates with minimal pressure drop. 25% larger than its FS-380 sibling, the FS-480 is ideal for processes that push more fluid through their systems and demand low pressure drops. Designed to accommodate the Semiconductor Industry's move to larger 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

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

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

## Pressure Drop – Typical 1.0 GPM Set Point

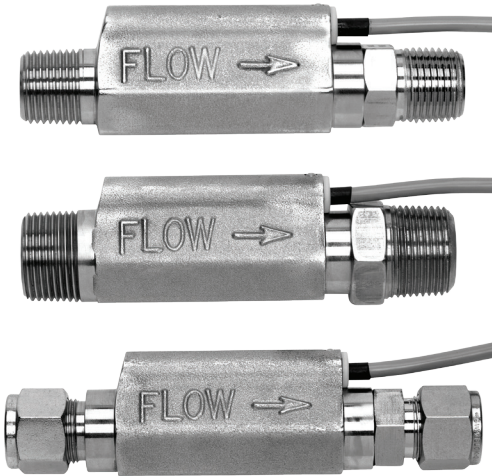


## How To Order – Standard Models

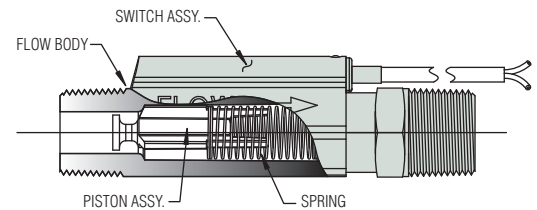
Specify Part Number based on flow settings.

| Flow Settings*<br>GPM | 1/2" NPT Port | 3/4" NPT Port | 1/2" Tube<br>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.



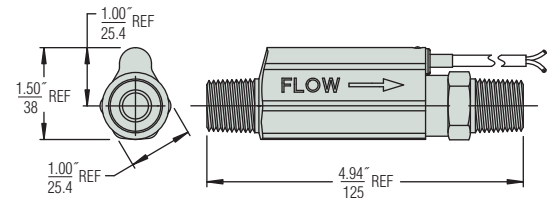
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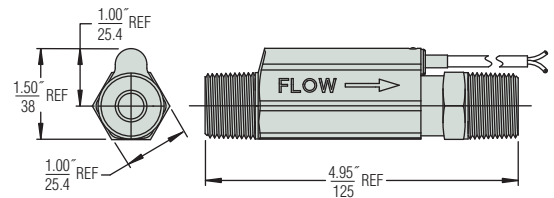
Straight design and large bore body minimizes pressure drop.

## Dimensions

### 1/2" NPT Ports



### 3/4" NPT Ports



### 1/2" Tube End Compression Fitting

