



FS-380 Series – Compact Flow Switch for High Inline Pressures

Flow Rate Settings: 0.15 GPM to 2.00 GPM

Port Size: Multiple

Primary Construction Material: Brass or Stainless Steel

Setting Type: Fixed

These rugged inline flow switches require 100 micron filtration and are less susceptible to clogging than other high-pressure inline flow switches. The one-piece magnetic PPS composite piston makes the FS-380 ideal for high-pressure applications such as industrial cleaning equipment. The FS-380 is also an excellent choice for semicon cooling applications where simple design and reliable operation are required.

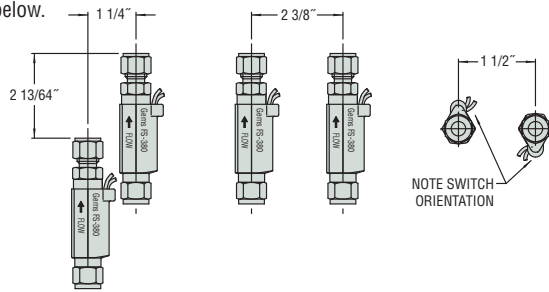
Specifications

| | |
|------------------------------------|---|
| Wetted Materials | |
| Housing | Brass or 316 Stainless Steel |
| Piston | PPS Composite, Epoxy |
| Spring | 316 Stainless Steel |
| O-Ring | Fluorocarbon |
| Operating Pressure, Maximum | 1500 PSI (107 bar); 500 PSI (34 bar) for 1/2" Barb Models |
| Operating Temperature | -20°F to +275°F (-28.8°C to +135°C) |
| Set Point Accuracy | ±20% Maximum |
| Set Point Differential | 20% Maximum |
| Switch* | SPST, 20VA, N.O. at no Flow |
| Electrical Termination | No. 22 AWG, 24" to 26" Polymeric leads |

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

Spacing

To prevent sensor to sensor magnetic field interference, follow the spacing guidelines below.



How To Order – Standard Models

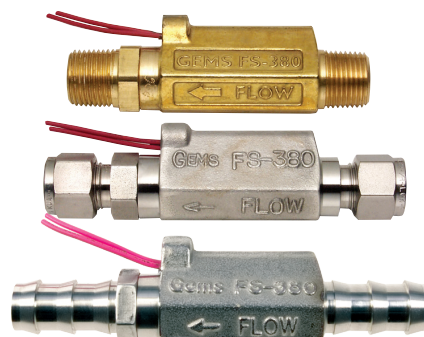
Specify Part Number based on flow settings.

| Flow Settings GPM* | Brass | | Stainless Steel | | | |
|--------------------|---------------|---------------|-----------------|------------------|------------------|-----------|
| | 1/2" NPT Male | 3/8" NPT Male | 3/8" NPT Male | 1/4" Compression | 3/8" Compression | 1/2" Barb |
| 0.15 | — | 181130 | 193482 | 259118 | 212136 | 239693 |
| 0.25 | 192562 | 168432 | 179992 | 259119 | 177592 | 239692 |
| 0.50 | 192563 | 168433 | 179993 | 259121 | 177593 | 239691 |
| 1.00 | 192564 | 168434 | 179994 | 259122 | 177594 | 239690 |
| 1.50 | 192566 | 168435 | 179995 | — | 177595 | 239689 |
| 2.00 | 192567 | 178353 | 179996 | — | 225525 | 239688 |

* – Stock Items.

Note:

- Flow settings are calibrated using water @ 70°F on increasing flow with units in horizontal position. Consult factory for other fluid compatibility.

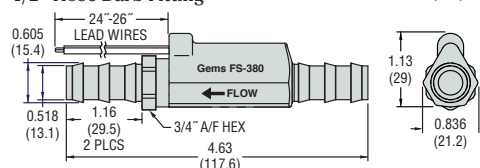


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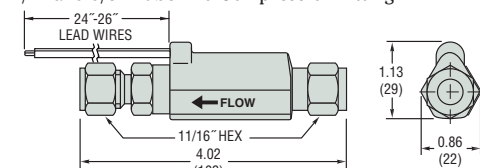


Dimensions

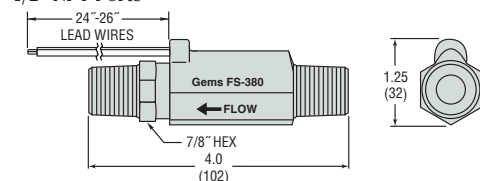
1/2" Hose Barb Fitting



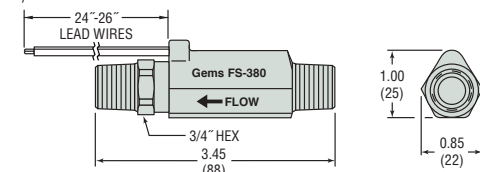
1/4" and 3/8" Tube End Compression Fitting



1/2" NPT Ports



3/8" NPT Ports



Pressure Drop – Typical

