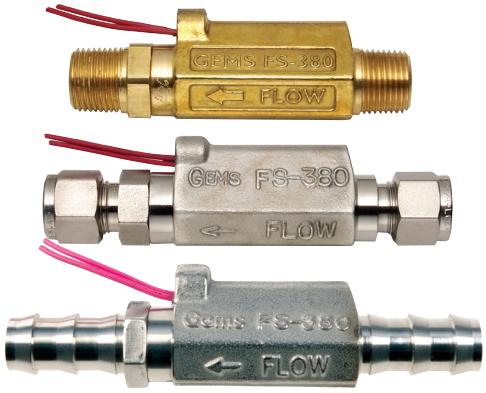
FS-380 Series – Compact Flow Switch for High Inline Pressures

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 use 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.



U.L. Recognized
File No. E31926

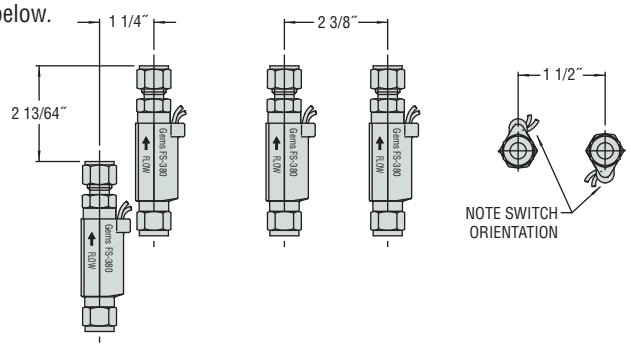
Specifications

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[1]	Brass		Stainless Steel		
	1/2″ NPT Male	3/8″ NPT Male	3/8″ NPT Male	3/8″ Compression	1/2″ Barb
0.15	—	181130	193482	212136	239693
0.25	192562	168432 ⚡	179992 ⚡	177592 ⚡	239692
0.50	192563	168433 ⚡	179993 ⚡	177593	239691
1.00	192564	168434 ⚡	179994 ⚡	177594 ⚡	239690
1.50	192566	168435	179995	177595	239689
2.00	192567	178353	179996	225525	239688

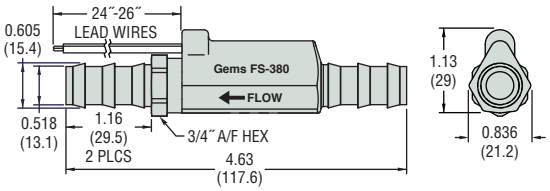
⚡ – Stock Items.

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

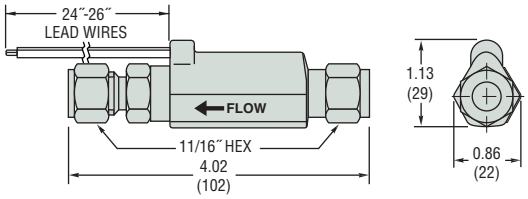
Dimensions

inch (mm)

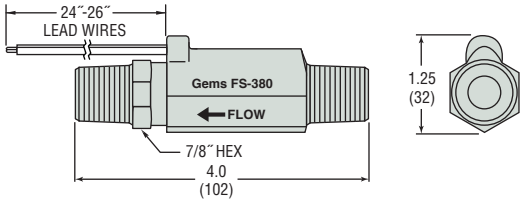
1/2″ Hose Barb Fitting



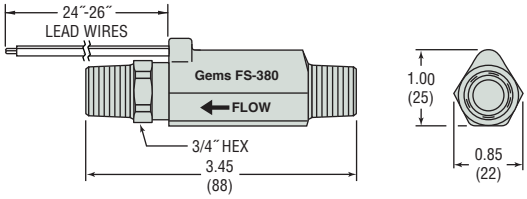
3/8″ Tube End Compression Fitting



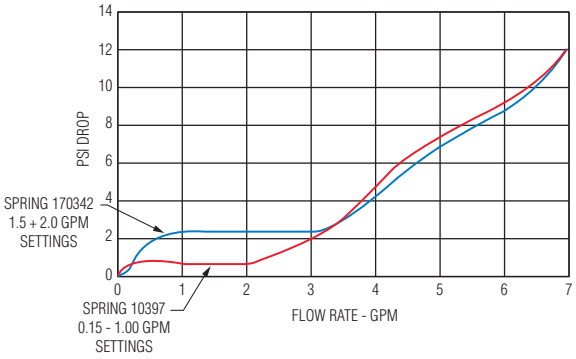
1/2″ NPT Ports



3/8″ NPT Ports



Pressure Drop – Typical



FLOW SWITCHES