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TECHNOLOGY GROUP

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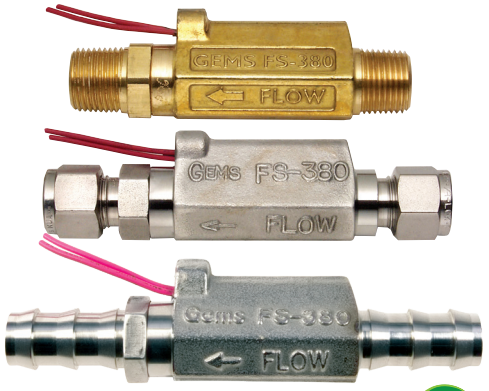
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FS-380 Series – Compact Flow Switch for High Inline Pressures

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.



U.L. Recognized
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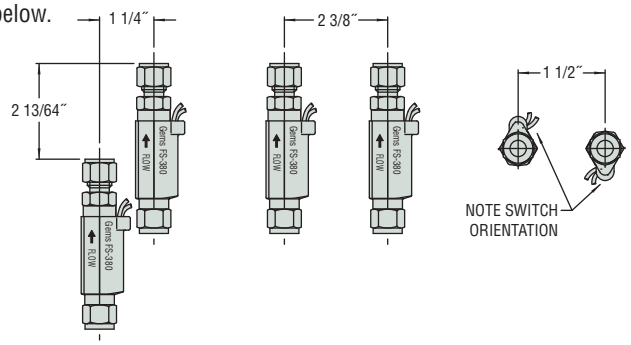
Specifications

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.

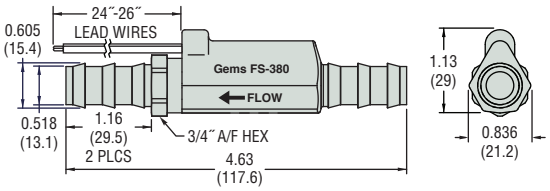
Flow Settings GPM[1]	Brass		Stainless Steel			
	1/2″ NPT Male	3/8″ NPT Male	3/8″ NPT Male	1/4″ Compression	3/8″ Compression	1/2″ Barb
0.15	—	181130 ⚡	193482 ⚡	259118	212136	239693
0.25	192562 ⚡	168432 ⚡	179992 ⚡	259119	177592 ⚡	239692
0.50	192563	168433 ⚡	179993 ⚡	259121	177593	239691
1.00	192564 ⚡	168434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

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

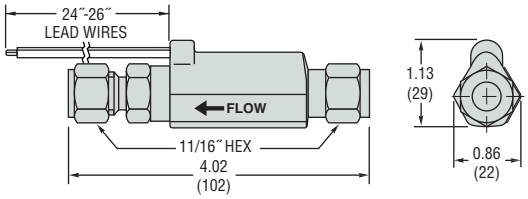
Dimensions

inch (mm)

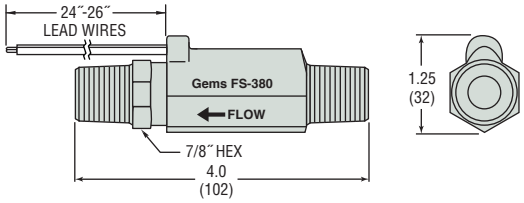
1/2″ Hose Barb Fitting



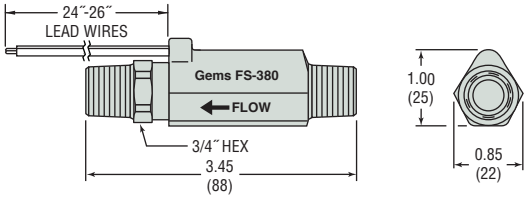
1/4″ and 3/8″ Tube End Compression Fitting



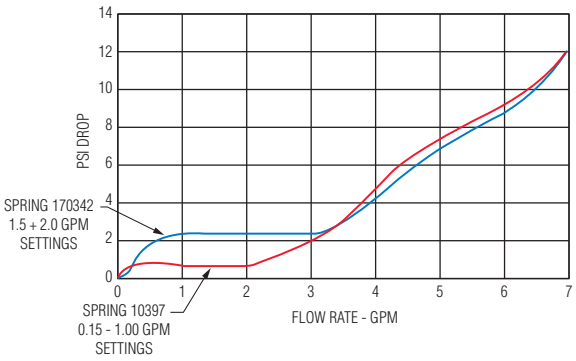
1/2″ NPT Ports



3/8″ NPT Ports



Pressure Drop – Typical



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