

FS-380P Series – Industrial Strength Inline Plastic Flow Switch

Flow Rate Settings: 0.25 GPM to 2.00 GPM
Port Size: 3/8" NPT Male and 1/4" Quick Disconnect (QDC) Male
Primary Construction Material: Polypropylene
Setting Type: Fixed

This rugged inline flow switch offers the same superior performance to non-clogging as its metal cousin (FS-380). The fixed set point and simple design make it a dependable switch. The FS-380P is an ideal choice for coolant applications requiring reliable flow detection in HVAC, semiconductor, welding, medical and other industries. 1/4" quick disconnect units have a host of snap-on mating adapters to fit most piping requirements.

Specifications

Wetted Materials	
Housing	Glass Reinforced Polypropylene
Piston	PPS Composite
Spring	316 Stainless Steel
O-Ring	Fluorocarbon
Operating Pressure	125 PSI @ 70°F (21°C), 50 PSI @ 212°F (100°C)
Operating Temperature	0°F to 212°F (-18°C to +100°C)
Set Point Accuracy	20% of Set Point
Set Point Differential	20% Maximum
Switch*	SPST, 10VA, N.O. at no Flow
Electrical Termination	24" to 26" Polymeric Leads, 22 AWG
Filtration	100 Micron
Approvals	UL and CSA Pending

*See "Electrical Data" on Page D-4 for more information.

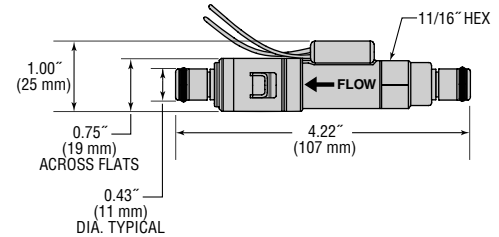


UL Pending
 CSA Pending

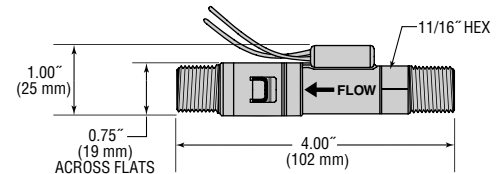
FLOW SENSORS

Dimensions

1/4" Quick Disconnect Male Adapter
 See table at bottom right for adapter Part Numbers.



3/8" NPT Port



How To Order

Specify Part Number based on flow settings. Adapters for the 1/4" Quick Disconnect (QDC) Male unit are listed in the table at right.

Flow Settings GPM	Part Numbers	
	3/8" NPT Male	1/4" QDC Male*
0.25	197081 ⚡	197091 ⚡
0.50	197082 ⚡	197092 ⚡
1.00	197083 ⚡	197093 ⚡
1.50	197084 ⚡	197094 ⚡
2.00	197085 ⚡	197095 ⚡

*See selection of adapters at right.
 QDC = Quick Disconnect

Acetal Adapters for 1/4" Quick Disconnect Male Tube Fitting Units (180°F max.)

These adapters are available with or without an integral shut-off valve. The shut-off valve will stop line flow when the adapter is removed from the unit. Flow resumes when connected.



Typical shown: 1/4" NPT Male Pipe Thread with Shut-off Valve

Description	Part Numbers	
	Straight Through	with Shut-Off Valve
1/4" NPT Male Pipe Thread	195787 ⚡	198063
1/4" BSPT Male Pipe Thread	198064 ⚡	195788
3/8" NPT Male Pipe Thread	198065	198066
3/8" BSPT Male Pipe Thread	198067 ⚡	198068
1/4" O.D., .27" I.D. (6mm O.D., 4.3mm I.D.) Polytube	198096 ⚡	198097
3/8" O.D., 1/4" I.D. (9.5mm O.D., 6mm I.D.) Polytube	198099 ⚡	198098
1/4" (6.4mm) I.D. Barb	198401 ⚡	198402
5/16" (7.9mm) I.D. Barb	198403	198404
3/8" (9.5mm) I.D. Barb	198408 ⚡	198405
1/4" O.D. (6.4mm) O.D. JG®	198470	198406
3/8" O.D. (9.5mm) O.D. JG®	198459 ⚡	198407

⚡ – Stock Items.

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