

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

PISTON TYPE

Flow Rate Settings: .25 l/min to 7.6 l/min
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
Max. operating pressure	8.6 bar @ 21°C (70°F), 50 PSI @ 100°C (212°F)
Minimum line pressure	350mb
Operating temperature	-18°C to +100°C (0°F to 212°F)
Set point accuracy	20% of Set Point
Set point differential	20% Maximum
Switch	SPST, 10VA, N.O. at no Flow (200V max)
Electrical termination	0.6 (approx) Polymeric Leads, 22 AWG
Filtration	100 Micron
Approvals	CE, UL and CSA
Filtration	100 microns

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 L/min	Part Numbers	
	3/8" NPT Male	1/4" QDC Male*
0.25	216445	216446
1.0	197081	197091
1.9	197082	197092
3.8	197083	197093
5.7	197084	197094
7.6	197085	197095

*See selection of adapters below. QDC = Quick Disconnect

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

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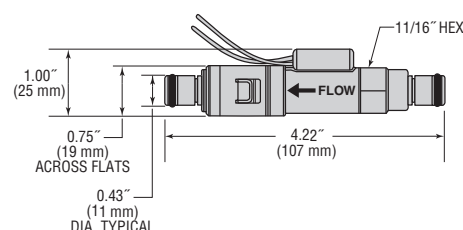
Standard Products in **bold**



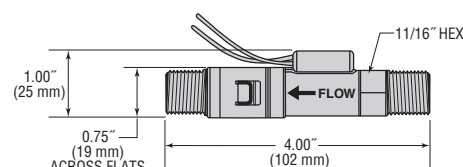
Dimensions (in mm)

1/4" Quick Disconnect Male Adapter

See table at bottom right for adapter Part Numbers.



3/8" NPT Port



Acetal Adapters for 1/4" Quick Disconnect Male Tube Fitting Units (82°C 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

Pressure Drop - FS-380P

