



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

PISTON TYPE

Flow Rate Settings: 1.0 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
Operating pressure	8.6 bar @ 21°C (70°F), 50 PSI @ 100°C (212°F)
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, 20VA, N.O. at no Flow
Electrical termination	0.6 (approx) Polymeric Leads, 22 AWG
Filtration	100 Micron
Approvals	UL and CSA Pending

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*
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	PLC10004	PLCD10004
1/4" BSPT Male Pipe Thread	PLC10004BSPT	PLCD10004BSPT
3/8" NPT Male Pipe Thread	PLC10006	PLCD10006
3/8" BSPT Male Pipe Thread	PLC10006BSPT	PLCD10006BSPT
1/4" O.D., .27" I.D. (6mm O.D., 4.3mm I.D.) Polytube	PLC13004	PLCD13004
3/8" O.D., 1/4" I.D. (9.5mm O.D., 6mm I.D.) Polytube	PLC13006	PLCD13006
1/4" (6.4mm) I.D. Barb	PLC17004	PLCD17004
5/16" (7.9mm) I.D. Barb	PLC17005	PLCD17005
3/8" (9.5mm) I.D. Barb	PLC17006	PLCD17006
1/4" O.D. (6.4mm) O.D. JG®	PLC14004	PLCD14004
3/8" O.D. (9.5mm) O.D. JG®	PLC14006	PLCD14006

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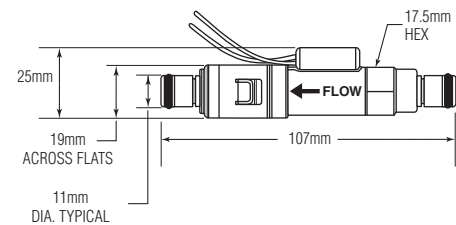
Standard Products in **bold**



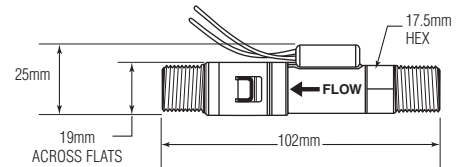
Dimensions (in mm)

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

FLOW SWITCHES