

# 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	
<b>Housing</b>	Glass Reinforced Polypropylene
<b>Piston</b>	PPS Composite
<b>Spring</b>	316 Stainless Steel
<b>O-Ring</b>	Fluorocarbon
<b>Operating pressure</b>	8.6 bar @ 21°C (70°F), 50 PSI @ 100°C (212°F)
<b>Operating temperature</b>	-18°C to +100°C (0°F to 212°F)
<b>Set Point accuracy</b>	20% of Set Point
<b>Set Point differential</b>	20% Maximum
<b>Switch*</b>	SPST, 20VA, N.O. at no Flow
<b>Electrical termination</b>	0.6 (approx) Polymeric Leads, 22 AWG
<b>Filtration</b>	100 Micron
<b>Approvals</b>	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	<b>197091</b>
1.9	197082	<b>197092</b>
3.8	197083	<b>197093</b>
5.7	197084	<b>197094</b>
7.6	197085	<b>197095</b>

\*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	<b>PLC10004BSPT</b>	<b>PLCD10004BSPT</b>
3/8" NPT Male Pipe Thread	PLC10006	PLCD10006
3/8" BSPT Male Pipe Thread	<b>PLC10006BSPT</b>	<b>PLCD10006BSPT</b>
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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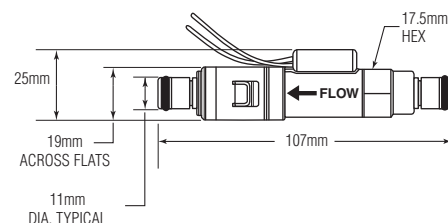
Standard Products in **bold**



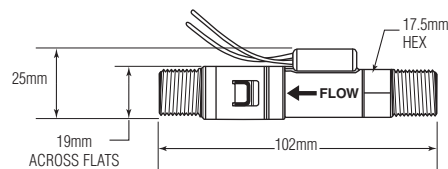
## Dimensions (in mm)

### 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**