

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

Flow Rate Settings: 0.07 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		
0-Ring	Fluorocarbon		
Operating Pressure	125 PSI (8.6 bar) @ 70°F (21°C), 50 PSI (3.4 bar) @ 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	CUL, RoHS		

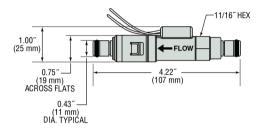
^{*}See "Electrical Data" on Page X-5 for more information.



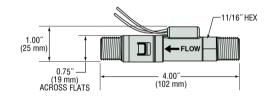


Dimensions

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	Part Numbers		
GPM	3/8" NPT Male	1/4" QDC Male*	
0.07	216445** 🗲	216446** 🗲	
0.15	209876 🗲	203206	
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		
Description	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. (6 mm O.D., 4.3 mm I.D.) Polytube	198096 🗲	198097	
3/8" O.D., 1/4" I.D. (9.5 mm O.D., 6 mm I.D.) Polytube	198099	198098	
1/4" (6.4 mm) I.D. Barb	198401 🗲	198402	
5/16" (7.9 mm) I.D. Barb	198403 🗲	198404	
3/8" (9.5 mm) I.D. Barb	198408 🗲	198405	
1/4" O.D. (6.4 mm) O.D. JG®	198470 🗲	198406	
3/8" O.D. (9.5 mm) O.D. JG®	198459 🗲	198407	

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^{**} Set point accuracy 0.06 to 0.1 GPM

^{≠ –} Stock Items.