

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 | 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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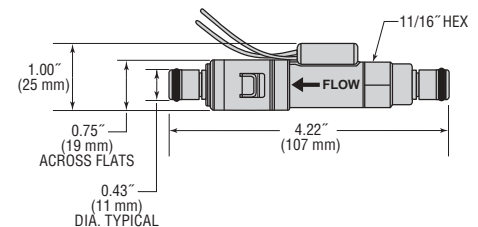
Standard Products in **bold**



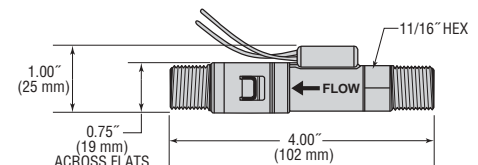
Dimensions (in mm)

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

FLOW SWITCHES