GP FLOW SWITCH

TMT Flow Switch With Pilot Feature

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part Number</th>
<th>With Pilot</th>
<th>Without Pilot</th>
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<tbody>
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<td>100879</td>
<td>100904</td>
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- Maximum Operating Pressure: 4000 PSI
- Minimum Flow Required for Activation: 0.5 GPM @ 50 PSI
- Maximum Operating Flow: 12.0 GPM
- Operating Temperature Range: 40 - 180 ºF
- Electrical Lead Length: 48" - 18 AWG

Switch Ratings

- Max Switching Voltage: 250 VAC
- Max Switching Current: 5 AMPS
- Resistance with Leads: 30 OHM
- Electrical Service Life: 200,000 Cycles
- Mechanical Service Life: 10,000,000 Cycles

Ports

- Inlet: 3/8” x 18 NPT-F
- Outlet: 3/8” x 18 NPT-F
- Pilot: 1/4” Hose Barb

Dimensions: 4.1” x 1.6” x 1.0”

Weight: 1.3 LBS

Materials: Buna-N, Brass, Plastic, Nickel Plated Neodymium

FEATURES

- Micro-switch technology eliminates reed switch
- Activates with as little as .5 gpm flow
- Minimal pressure drop up to 12 gpm flow
- Mount in vertical position

EXPLOSION

DIMENSIONS AND SCHEMATIC

Diagram showing Normally OPEN and CLOSED configurations, and electrical connections for 12/24/250 Volts, 5 Amps.
NOTE: When using this flow switch in a system containing a positive displacement pump, General Pump recommends the use of a safety relief device(s), correctly placed to protect all areas of the system.

Install the flow switch vertically to the output side of the unloader, with the 2 conductor lead wires exiting from the top. If your system uses a downstream chemical injector, it should be mounted on the output side of the flow switch.

Model 100879, with pilot feature, requires a direct connection to the water supply feed line to provide a pilot signal. This is accomplished by installing a tee fitting (with a 1/4" hose barb fitting) directly in the water supply feed line. The tee must be installed before the float valve. Install an appropriate length of 1/4" I.D. reinforced polyvinyl tubing between the tee fitting and the valve pilot port.