Flow Switch
Ideal for Air and Post-Filtered Water Applications, Fixed Set Point, FDA Compliant

The compact Series P2 Flow Switch utilizes a piston-type design for both air and pure water applications. The switches have preset actuation points from 0.05 to 1.0 GPM for water and 25 CFH to 5 CFM for air. The piston design incorporates a hermetically sealed SPST magnetic reed switch. The P2 is comprised of PPE and PS housing and piston and 316 SS spring and stop pin. All wetted parts are FDA compliant. Economical and superior performance make this an excellent switch for pure water equipment, filter life monitoring, heat exchangers, and cooling applications.

### SPECIFICATIONS
- **Service:** Compatible liquids or gases.
- **Wetted Materials:** Housing: PPE & PS (polyphenylene ether and polystyrene); Piston: PPE & PS and epoxy; Spring and stop pin: 316 SS.
- **Temperature Limits:** 0 to 212°F (-18 to 100°C).
- **Pressure Limits:** 125 psig (8.6 bar) @ 70°F (21°C); 50 psig (3.4 bar) @ 212°F (100°C).
- **Switch Type:** SPST, N.O.
- **Electrical Rating:** .17A @ 120 VAC, .08A @ 240 VAC, .13A @ 120 VDC, .06A @ 240 VDC.
- **Electrical Connection:** 22 AWG, 18˝ (45.7 cm), PVC lead wires.
- **Process Connection:** 1/4˝ male NPT.
- **Mounting Orientation:** Any position. Set points shown are based on vertical, inlet down position.
- **Required Filtration:** 50 microns or better.
- **Weight:** 2 oz (.06 kg).
- **Agency Approvals:** CE.

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### Polypropylene Flow Switch
Fixed Set Points from 0.25 to 2.0 GPM, 3/8˝ NPT or “Quick Disconnect” Adapters

Fit almost any piping requirements with the Series P3 Polypropylene Flow Switch. The basic piston design consists of a hermetically sealed SPST normally open reed switch. Choose the inlet and outlet port to be 3/8˝ male NPT or 1/4˝ quick disconnect. The shut off valve will stop line flow when the adapter is removed from the switch. With many snap-on fittings to choose from, any flow application can integrate the P3 Flow Switch into the existing piping.

### SPECIFICATIONS
- **Service:** Compatible liquids.
- **Wetted Materials:** Housing: PPE; Piston: PPS composite; Spring: 316SS; O-ring: Fluorocarbon.
- **Temperature Limits:** 0 to 212°F (-18 to 100°C).
- **Pressure Limits:** 125 psig (8.6 bar) @ 70°F (21°C), 50 psig (3.4 bar) @ 212°F (100°C).
- **Accuracy:** 20% of set point.
- **Repeatability:** ±1%.
- **Switch Type:** SPST, NO.
- **Agency Approvals:** CE.

### Connection Options
- **Process Connection:** 1/4˝ male NPT or 1/4˝ quick disconnect.
- **Mounting Orientation:** Any position. Set points shown are based on vertical, inlet down position.
- **Required Filtration:** 100 microns or better.
- **Weight:** 5 oz (0.14 kg).

### Adapters (Price shown per unit, need two per switch)

<table>
<thead>
<tr>
<th>Model</th>
<th>Connection</th>
<th>Actuation Set Point GPM (LPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P3-31</td>
<td>3/8˝ NPT</td>
<td>0.25 (0.95)</td>
</tr>
<tr>
<td>P3-32</td>
<td>3/8˝ NPT</td>
<td>0.50 (1.89)</td>
</tr>
<tr>
<td>P3-33</td>
<td>3/8˝ NPT</td>
<td>1.00 (3.79)</td>
</tr>
<tr>
<td>P3-34</td>
<td>3/8˝ NPT</td>
<td>1.50 (5.68)</td>
</tr>
<tr>
<td>P3-35</td>
<td>3/8˝ NPT</td>
<td>2.0 (7.57)</td>
</tr>
<tr>
<td>P3-41</td>
<td>Q Disconnect</td>
<td>0.25 (0.95)</td>
</tr>
<tr>
<td>P3-42</td>
<td>Q Disconnect</td>
<td>0.50 (1.89)</td>
</tr>
<tr>
<td>P3-43</td>
<td>Q Disconnect</td>
<td>1.00 (3.79)</td>
</tr>
<tr>
<td>P3-44</td>
<td>Q Disconnect</td>
<td>1.5 (5.68)</td>
</tr>
<tr>
<td>P3-45</td>
<td>Q Disconnect</td>
<td>2.0 (7.57)</td>
</tr>
</tbody>
</table>

Electrical Rating: .08A @ 120 VAC.
Electrical Connection: 24˝ (60.96 cm), polymeric wire leads, 22 AWG.
Process Connection: 3/8˝ male NPT or 1/4˝ quick disconnect.
Agency Approvals: CE.