**SERIES P1**

**BRASS FLOW SWITCH**

**Fixed Setpoints, Flow Rates from 0.10 to 1.5 GPM**

The SERIES P1 Brass Flow Switches utilizes a piston-type design for accurate detection of excessive or insufficient liquid flow rates. The switches have preset actuation points from 0.10 to 1.5 GPM for liquid flow.

**FEATURES/BENEFITS**

- Piston-type operation yields accurate detection of low flow rates
- The piston magnetically actuates a hermetically sealed SPST reed switch

**APPLICATIONS**

- Industrial cleaning equipment
- Detecting loss of fluid in hydraulic systems
- Assuring proper coolant flow in semiconductor processing

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Actuation Set Point* GPM (LPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P1-011</td>
<td>0.10 (.38)</td>
</tr>
<tr>
<td>P1-012</td>
<td>0.25 (.95)</td>
</tr>
<tr>
<td>P1-013</td>
<td>0.50 (1.89)</td>
</tr>
<tr>
<td>P1-014</td>
<td>0.75 (2.84)</td>
</tr>
<tr>
<td>P1-015</td>
<td>1.00 (3.79)</td>
</tr>
<tr>
<td>P1-016</td>
<td>1.50 (5.68)</td>
</tr>
</tbody>
</table>

*Calibrated for water at standard conditions.

**SERIES P8**

**HIGH PRESSURE BRASS FLOW SWITCH**

**Up to 1500 psi, Fixed Setpoint, Up to 2.0 GPM, Rugged Brass Body**

The SERIES P8 High Pressure Brass Flow Switches are ideal for high in-line pressures. Set points range from 0.25 to 2.0 GPM for liquid flow.

**FEATURES/BENEFITS**

- Integrates a one-piece magnetic PPS composite piston to handle pressure up to 1500 psi
- Less susceptible to clogging than other high in-line pressure switches with 100 micron filtration

**APPLICATIONS**

- Industrial cleaning equipment
- High pressure lubrication systems

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Actuation Set Point GPM (LPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P8-11</td>
<td>0.25 (.95)</td>
</tr>
<tr>
<td>P8-12</td>
<td>0.50 (1.89)</td>
</tr>
<tr>
<td>P8-13</td>
<td>1.0 (3.79)</td>
</tr>
<tr>
<td>P8-14</td>
<td>1.5 (5.68)</td>
</tr>
<tr>
<td>P8-15</td>
<td>2.0 (7.57)</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Service**: Compatible liquids.
- **Wetted Materials**: Housing: Brass; Piston: PPS composite, epoxy; Spring: 316 SS; O-ring: Fluorocarbon.
- **Pressure Limits**: 1500 psi (103.4 bar).
- **Accuracy**: ±20% of set point.
- **Switch Type**: SPST, NC.
- **Electrical Rating**: .17 A @ 120 VAC, .08 A @ 240 VAC, .13 A @ 120 VDC, .06 A @ 240 VDC.
- **Electrical Connection**: No. 22 AWG, 24˝ (61 cm), polymeric leads.
- **Mounting Orientation**: Any position. Set points shown are based on vertical, inlet down position.
- **Required Filtration**: 100 microns or better.
- **Weight**: 6 oz (.17 kg).
- **Agency Approvals**: CE.