FLOW

The Series V7 Flotect® Vane Flow Switch is an inexpensive range switch for use with compatible liquids to start or stop electronic operated equipment when flow or no-flow conditions occur. Design is standard weatherproof, meeting NEMA 4X.

**FEATURES/BENEFITS**
- Magnetically actuated switching design gives superior performance
- Features a free-swinging vane which attracts a magnet within the solid metal switch body, actuating a snap switch by means of a simple lever arm with no bellows, springs, or seals to fail
- Lower body is machined solid metal bar stock assuring no leak points, no matter how long the unit is in service
- Robust vane design is rigid and field trimmable for set point adjustment

**APPLICATIONS**
- Proof of boiler flow
- Protects pumps, motors and other equipment against low or no flow
- Proving flow in boilers, hot water heaters, and chillers
- Automatically starts auxiliary pumps and engines

**SPECIFICATIONS**
- Service: Liquids compatible with wetted materials that are non-coating and non-crystallizing.
- Wetted Materials: Vane: 301 SS; Brass or 316 SS; Magnet: Ceramic; Other: 301, 302 SS.
- Upper Body Material: Die cast aluminum.
- Temperature Limits: -40 to 250°F (-40 to 121°C).
- Pressure Limits: 250 psi (17.2 bar).
- Switch Type: SPDT snap switch.
- Electrical Rating: 10 A @ 125, 250 VAC; 1/8 hp @ 125 VAC, 1/4 hp @ 250 VAC.

**MODEL CHART**
- Model | Body Material |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>V7-WBS-30N</td>
<td>Brass</td>
</tr>
<tr>
<td>V7-WSS-30N</td>
<td>316 SS</td>
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</tbody>
</table>

**APPROXIMATE ACTUATION/DEACTUATION FLOW RATES FOR COLD WATER; GPM (LPM)**

<table>
<thead>
<tr>
<th>Pipe Size Actuate</th>
<th>Deactuate</th>
</tr>
</thead>
<tbody>
<tr>
<td>1˝</td>
<td>7.5 (28.4)</td>
</tr>
<tr>
<td>1-1/4˝</td>
<td>8.1 (30.8)</td>
</tr>
<tr>
<td>1-1/2˝</td>
<td>11.7 (44.1)</td>
</tr>
<tr>
<td>2˝</td>
<td>16.9 (64.0)</td>
</tr>
<tr>
<td>2-1/2˝</td>
<td>19.6 (74.2)</td>
</tr>
<tr>
<td>3˝</td>
<td>31.6 (120)</td>
</tr>
<tr>
<td>4˝</td>
<td>58.0 (218)</td>
</tr>
</tbody>
</table>

Contact the factory for different actuation-deactuation rates.

USA: California Proposition 65
Agency Approvals: CE, UL.

The Series V10 Flotect® Mini-Size Flow Switch is designed to provide inexpensive, reliable monitoring of the presence or absence of flow in a system. This series is available for field installation in pipelines from 1/2 to 2” diameter and available in brass or 303 SS body.

**FEATURES/BENEFITS**
- Magnetically actuated switching design gives superior performance with rugged, hermetically sealed reed switch
- Simple field switch adjustment allows user to toggle between Normally Open (NO) or Normally Closed (NC) with no change in the electrical connection
- Switch housing is located outside the process media, allowing simple switch change-over or maintenance without interruption of process flow.
- Full size, field trimmable stainless steel vane provided with removable template calibrated for brass or ductile iron reducing tees with forged steel straight tee/bushing combinations

**APPLICATIONS**
- Proving flow in boilers, hot water heaters, and chillers
- Protects pumps, motors and other equipment against low or no flow
- Automatically starts auxiliary pumps and engines

**SPECIFICATIONS**
- Service: Compatible gases or liquids.
- Wetted Materials: Vane: 301 SS; Body: Brass or 303 SS; Pin and Magnet: Ceramic.
- Temperature Limit: 200°F (93°C).
- Pressure Limit: Brass body: 1000 psig (69 bar), 303 SS body: 2000 psig (138 bar)
- Switch Type: SPST hermetically sealed reed switch. Field adjustable for normally open or normally closed.
- Electrical Rating: 0.5 A @ 120 VAC; 1.5 A @ 24 VDC res.; 0.001 A @ 200 VDC res.

**MODEL CHART**
- Model | Body Material | Connection Type | Switch Configuration |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>V10</td>
<td>Brass</td>
<td>NPT</td>
<td>Normally open or closed</td>
</tr>
<tr>
<td>V10SS</td>
<td>303 SS</td>
<td>NPT</td>
<td>Normally open or closed</td>
</tr>
<tr>
<td>V10-BSPT</td>
<td>Brass</td>
<td>BSPT</td>
<td>Normally open or closed</td>
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<tr>
<td>V10SS-BSPT</td>
<td>303 SS</td>
<td>BSPT</td>
<td>Normally open or closed</td>
</tr>
</tbody>
</table>

USA: California Proposition 65
Agency Approvals: CE, CSA, UR.
Switch Enclosure: Nylon.