The Series FS-2 Vane Flow Switch offers an economical flow proving solution. Custom set points tailored for the application are enabled by field adjustable vane layers and a set point adjustment screw. The FS-2 features an aluminum weatherproof housing for outdoor installation. Paddles are adjustable to fit 1” to 8” size pipe. FS-2 is ideal for use in “flow or no flow” applications in cold and hot water systems. Perfect for proving flow in boilers, hot water heaters, and chillers.

**APPLICATION**
- Perfect for proving flow in boilers, hot water heaters, and chillers

**FEATURES**
- Field adjustable paddle
- Field adjustable set point
- Weatherproof construction

**SPECIFICATIONS**
- **Service:** Compatible liquids.
- **Wetted Materials:**
  - Bellow: Tin-bronze;
  - Vane: SS;
  - Body: Forged brass.
- **Temperature Limit:** 230ºF (110ºC).
- **Pressure Limit:** 145 psig (10 bar).
- **Enclosure Rating:** NEMA 4 (IP56).
- **Switch Type:** SPDT snap switch.
- **Electrical Rating:** 10A res, 3A ind @ 250 VAC.
- **Electrical Connection:** Cable gland with attached wire leads or optional conduit connection.
- **Process Connection:** 1” male NPT or BSPT.
- **Mounting Orientation:** Switch must be installed vertically on horizontal pipe runs.
- **Set Point Adjustment:** Four vane combinations and an adjustment screw.
- **Enclosure:** Die-cast aluminum alloy.
- **Weight:** 28.22 oz (0.8 kg).
- **Agency Approvals:** CE.

**APPROXIMATE ACTUATION AND DEACTUATION FLOW RATES FOR WATER**

<table>
<thead>
<tr>
<th>Pipe Diameter (inch)</th>
<th>Blade Vane Length (in)</th>
<th>Minimum Setting Actuate GPM (LPM)</th>
<th>Minimum Setting Deactuate GPM (LPM)</th>
<th>Maximum Setting Actuate GPM (LPM)</th>
<th>Maximum Setting Deactuate GPM (LPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-1/4</td>
<td>1.34 (34)</td>
<td>4.0 (15.0)</td>
<td>1.8 (6.7)</td>
<td>8.8 (33.3)</td>
<td>6.6 (25.0)</td>
</tr>
<tr>
<td>1-1/2</td>
<td>1.34 (34)</td>
<td>5.3 (20.0)</td>
<td>2.6 (10.0)</td>
<td>11.4 (43.3)</td>
<td>8.4 (31.7)</td>
</tr>
<tr>
<td>2</td>
<td>2.24 (57)</td>
<td>7.0 (26.7)</td>
<td>4.0 (15.0)</td>
<td>14.5 (55.0)</td>
<td>11.4 (43.3)</td>
</tr>
<tr>
<td>2-1/2</td>
<td>2.24 (57)</td>
<td>14.1 (53.3)</td>
<td>9.7 (36.7)</td>
<td>31.3 (118.3)</td>
<td>22.5 (85.0)</td>
</tr>
<tr>
<td>3</td>
<td>3.46 (88)</td>
<td>18.5 (70.0)</td>
<td>15.4 (58.3)</td>
<td>35.2 (133.3)</td>
<td>30.8 (116.7)</td>
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<tr>
<td>4</td>
<td>3.46 (88)</td>
<td>27.7 (105.0)</td>
<td>25.1 (95.0)</td>
<td>52.8 (200.0)</td>
<td>46.2 (175.0)</td>
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<tr>
<td>5</td>
<td>3.46 (88)</td>
<td>59.4 (225.0)</td>
<td>52.8 (200.0)</td>
<td>123.3 (466.7)</td>
<td>114.5 (433.3)</td>
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<tr>
<td>6</td>
<td>6.57 (167)</td>
<td>52.8 (200.0)</td>
<td>39.6 (150.0)</td>
<td>132.1 (500.0)</td>
<td>123.3 (466.7)</td>
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<tr>
<td>8</td>
<td>6.57 (167)</td>
<td>184.9 (700.0)</td>
<td>158.5 (600.0)</td>
<td>396.3 (1500.0)</td>
<td>374.2 (1416.7)</td>
</tr>
</tbody>
</table>