Electronic Ball Valve (EBV) Zone Valve

Submittal Data Information

Job: ___________ Engineer: ___________ Contractor: ___________ Rep: ___________

ITEM NO. MODEL NO.

Product Specifications

- Maximum Operating Pressure: 300 PSI (2,100 kPa)
- Maximum Shutoff Pressure: 125 PSI (875 kPa)
- Fluid Temperature Range: 20° to 240°F (-7° to 115°C) @ 135°F (57°C) ambient [Installation must be in a non-condensing application]

Service: Version available for both open and closed systems (Hot and Chilled Water, up to 50% Glycol)

- Ball Rotation Speed: Full Open to Full Close (90° turn), 4 seconds
  Full Close to Full Open (90° turn), 6 seconds

- Seat Leakage: Drop-Tight Close-Off

- Electrical Rating: 24 VAC, 60 HZ, 0.54 Amps
  Do not exceed number of valves per transformer rating.
  Example: Do not use more than 12 zone valves per 40VA transformer

- Power Consumption, Charging: 12.84 Watts, 0.54 Amps Max

- Power Consumption, Power On: 1.44 Watts, 0.06 Amps Max

- Heat Anticipator Setting: 0.5 Amps

Materials of Construction, Actuator

- Body: High Performance Engineered Polymer
- Gears: High Performance Internally Lubricated Engineered Polymer

Materials of Construction, Valve

- Body: Forged Bronze
- Stem: Brass
- Press Ring: Brass
- Ball: Brass (Chrome Plated)
- Seat: Modified Teflon
- O-rings: EPDM

Flow Coefficients and Maximum Close-Off Pressure

<table>
<thead>
<tr>
<th>VALVE SIZE</th>
<th>Cv (Kv)/Ft. of PIPE EQUIV*</th>
<th>CLOSE-OFF PSI (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>4.9 (4.3) / 9.5</td>
<td>0-125 psi (0-862 kPa)</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>10.3 (8.9) / 8.4</td>
<td>0-125 psi (0-862 kPa)</td>
</tr>
<tr>
<td>1&quot;</td>
<td>8.9 (7.7) / 47.4</td>
<td>0-125 psi (0-862 kPa)</td>
</tr>
</tbody>
</table>

*At 4' per second (max. recommended residential flow rate).

Dimensions

<table>
<thead>
<tr>
<th>VALVE SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>Approx. Wt. (valve + actuator)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot;</td>
<td>3&quot;</td>
<td>2-3/8&quot;</td>
<td>3-9/16&quot;</td>
<td>2-9/16&quot;</td>
<td>3-1/8&quot;</td>
<td>1-9/16&quot;</td>
<td>1.15 lbs</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>3&quot;</td>
<td>2-3/8&quot;</td>
<td>3-3/4&quot;</td>
<td>2-5/8&quot;</td>
<td>3-1/8&quot;</td>
<td>1-9/16&quot;</td>
<td>1.20 lbs</td>
</tr>
<tr>
<td>1&quot;</td>
<td>3&quot;</td>
<td>2-3/8&quot;</td>
<td>3-11/16&quot;</td>
<td>2-5/8&quot;</td>
<td>3-1/8&quot;</td>
<td>1-9/16&quot;</td>
<td>1.55 lbs</td>
</tr>
</tbody>
</table>