The Series BV2 is the economical choice for high quality, stainless steel ball valves for use in chemical, petrochemical, pulp and paper and general applications. The Series BV2 body and endcaps are constructed of investment cast stainless steel, while stem is 316 SS. Seats and body seals are 15% glass reinforced PTFE providing broad media compatibility and bubble tight shutoff to 1000 psig (69 bar). Internally loaded, blowout-proof stem provides safety in the event of overpressure. Full port design allows for maximum Cv with minimal pressure drop. Integral actuator mounting pads allows for ease of automation.

**SPECIFICATIONS**

**End Connections:** Female NPT.

**Pressure Limits:** 1000 psi (69 bar) WOG, 150 psi (10.3 bar) SWP.

**Wetted Materials:**
- Body, ball, end cap: CF8M SS
- Stem: 316 SS
- Seat, thrust washer: RTFE
- End gasket, stem packing: PTFE

**Temperature Limits:** -20 to 450°F (-29 to 232°C).

**Dimensions (in)**

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G (UNC)</th>
<th>Torque (in-lb)</th>
<th>Cv</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4”</td>
<td>2.00</td>
<td>0.38</td>
<td>1.97</td>
<td>3.78</td>
<td>1.125</td>
<td>0.500</td>
<td>10-24</td>
<td>10-24</td>
<td>6</td>
</tr>
<tr>
<td>3/8”</td>
<td>2.00</td>
<td>0.46</td>
<td>1.97</td>
<td>3.78</td>
<td>1.125</td>
<td>0.500</td>
<td>10-24</td>
<td>10-24</td>
<td>7</td>
</tr>
<tr>
<td>1/2”</td>
<td>2.40</td>
<td>0.50</td>
<td>1.97</td>
<td>3.78</td>
<td>1.125</td>
<td>0.500</td>
<td>10-24</td>
<td>10-24</td>
<td>10</td>
</tr>
<tr>
<td>3/4”</td>
<td>2.95</td>
<td>0.79</td>
<td>2.52</td>
<td>5.12</td>
<td>1.375</td>
<td>0.875</td>
<td>10-24</td>
<td>10-24</td>
<td>24</td>
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<tr>
<td>1”</td>
<td>3.42</td>
<td>0.98</td>
<td>2.60</td>
<td>5.91</td>
<td>1.375</td>
<td>0.875</td>
<td>10-24</td>
<td>10-24</td>
<td>24</td>
</tr>
<tr>
<td>1-1/4”</td>
<td>3.97</td>
<td>1.26</td>
<td>3.11</td>
<td>5.91</td>
<td>1.500</td>
<td>1.000</td>
<td>1/4-20</td>
<td>1/4-20</td>
<td>90</td>
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<tr>
<td>1-1/2”</td>
<td>4.33</td>
<td>1.50</td>
<td>3.26</td>
<td>6.69</td>
<td>1.500</td>
<td>1.000</td>
<td>1/4-20</td>
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<td>125</td>
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<tr>
<td>2”</td>
<td>5.19</td>
<td>1.97</td>
<td>3.70</td>
<td>6.69</td>
<td>1.500</td>
<td>1.000</td>
<td>1/4-20</td>
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<td>190</td>
</tr>
<tr>
<td>2-1/2”</td>
<td>5.87</td>
<td>2.56</td>
<td>4.52</td>
<td>9.05</td>
<td>2.750</td>
<td>1.375</td>
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</tr>
<tr>
<td>3”</td>
<td>7.60</td>
<td>3.15</td>
<td>4.92</td>
<td>9.05</td>
<td>2.750</td>
<td>1.375</td>
<td>1/4-20</td>
<td>1/4-20</td>
<td>425</td>
</tr>
</tbody>
</table>

The Series 2BVS is an economical, stainless steel, ball valve ideal for food, and chemical applications. The 2BVS Series is investment cast stainless steel, ensuring exceptional quality and corrosion resistance. Reinforced RTFE seats provide strength and excellent sealing up to 1000 psi. Standard ISO 5211 mounting pad allows for easy automation. Full port design provides maximum Cv with minimal pressure drop.

**FEATURES**

- Ideal for food and chemical applications
- Swing-out 3-piece design for easy maintenance
- ISO 5211 mounting pad
- Full port
- Self-adjusting stem packing

**SPECIFICATIONS**

**End Connections:** Female NPT.

**Pressure Limits:** 1000 psi (69 bar) WOG; 125 psi (8.6 bar) SWP.

**Wetted Materials:**
- Body, ball, end cap: ASTM A351 CF8M (316 SS)
- Washer, nut, Belleville washer, stem nut: 304 SS
- Stem: 316 SS
- Body seal, stem seal, stem packing: TFE
- Seat: RTFE
- O-ring: Fluoroelastometer

**Temperature Limits:** -40 to 450°F (-40 to 232°C).