Valves, Ball, Manual

**Series DBV Brass Ball Valve**

is an economical hand lever ball valve ideal for commercial or general industrial use. The Series DBV is the ideal choice for a manual shut off valve, along with many other applications. Valve body, body cap and ball are made of a quality brass for great durability. Seats and stem packing are constructed of PTFE for long lasting service as well. Blowout-proof stem provides safety in the event of overpressure. Full port design allows for maximum Cv while still retaining minimal pressure drop.

**SPECIFICATIONS**

- **Service:** Gases and liquids compatible with wetted materials.
- **End Connections:** Female NPT.
- **Pressure Limits:** -29” Hg to 600 psi (-736 mm Hg to 41 bar) WOG.
- **Temperature limit:** -40 to 365ºF (40 to 185ºC).
- **Wetted Materials:**
  - Body and Body Cap: Brass;
  - Ball: Chrome plated brass;
  - Stem: Brass;
  - Seat and Packing: PTFE.
- **Other Materials:**
  - Body Gland and Stem Nut: Brass;
  - Handle Cover: Rubber;
  - Handle: Steel.

**Dimensions (in)**

<table>
<thead>
<tr>
<th>Model</th>
<th>Pipe Size</th>
<th>NPT Size</th>
<th>ISO 5211</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Weight (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BV2IB02</td>
<td>1/2”</td>
<td>1/2”</td>
<td>2.50</td>
<td>2.81</td>
<td>4.92</td>
<td>0.68 (0.31)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BV2IB03</td>
<td>1/4”</td>
<td>1/4”</td>
<td>2.50</td>
<td>3.08</td>
<td>4.92</td>
<td>0.78 (0.35)</td>
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<tr>
<td>BV2IB04</td>
<td>1”</td>
<td>1”</td>
<td>3.15</td>
<td>3.21</td>
<td>5.51</td>
<td>0.82 (0.37)</td>
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<td></td>
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<tr>
<td>BV2IB05</td>
<td>1-1/4”</td>
<td>1-1/4”</td>
<td>3.58</td>
<td>3.41</td>
<td>5.51</td>
<td>0.91 (0.41)</td>
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<td></td>
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<tr>
<td>BV2IB06</td>
<td>1-1/2”</td>
<td>1-1/2”</td>
<td>3.96</td>
<td>4.19</td>
<td>6.89</td>
<td>1.35 (0.61)</td>
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<tr>
<td>BV2IB07</td>
<td>2”</td>
<td>2”</td>
<td>4.84</td>
<td>4.55</td>
<td>6.89</td>
<td>2.22 (1.01)</td>
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</table>

The Series BV2IB Bronze Ball Valve with ISO Mounting Pad provides an economical solution for commercial and general industrial use. The Series BV2IB full port is designed for minimal pressure drops with consistent flow rates. ISO 5211 mounting pad accepts direct mounting of pneumatic and electric actuators.

**SPECIFICATIONS**

- **Service:** Compatible liquids and gases.
- **Line Size:** 1/2 to 2”.
- **End Connection:** Female NPT.
- **Pressure Limit:** 600 psi (41.4 bar).
- **Wetted Materials:**
  - Body: Bronze;
  - Ball: Chrome plated brass;
  - Seat: PTFE.
- **Temperature Limit:** 320ºF (160°C).
- **Other Materials:**
  - Packing gland: Brass;
  - Seat backing: EPDM;
  - O-ring: Buna-N;
  - Mounting pad: Bronze;
  - Stem packing and seal: PTFE;
  - Stem: Brass.