Valves, Ball

The Series 3BV2FH 3-Way Stainless Steel Flange Ball Valve is designed to meet ANSI B16.34 flange standards and features ANSI 150# flanged ends for easy installation. This full port valve is ideal for mixing applications. An ISO 5211 mounting pad accepts direct mounting of pneumatic and electric actuators. All sizes from 1/2 to 4" have excellent flow rates with minimal pressure drops. The Series 3BV2FH has a 4-seat design for high cycles and increases performance from high quality 316 SS ball and stem construction.

### Specification
- **Service:** Compatible liquids and gases.
- **Line Size:** 1/2 to 4".
- **End Connection:** 150# flange.
- **Pressure Limit:** 275 psi (19 bar).
- **Temperature Limit:** 450°F (232°C).

### Wetted Materials
- **Body and ends:** CF8M.
- **Ball and stem:** 316 SS.
- **Stem packing:** TFE.
- **Gasket and body seal:** TFE.

### Port Configuration
- **L-Port**
- **T-Port**

### Flow Path
- **Position 1**
- **Position 2**

### Dimensions (in)
- **Model**
  - **NPT Size**
  - **ISO Size**
  - **A**
  - **B**
  - **C**
  - **D**
  - **Weight (lb)**

<table>
<thead>
<tr>
<th>Model</th>
<th>NPT Size</th>
<th>ISO Size</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>Weight (lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3BV2FH02</td>
<td>1/2&quot;</td>
<td>F03/F04</td>
<td>5.98</td>
<td>2.26</td>
<td>5.71</td>
<td>2.99</td>
<td>8 (3.63)</td>
</tr>
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<td>2.72</td>
<td>6.50</td>
<td>3.29</td>
<td>10 (4.54)</td>
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<td>7.68</td>
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<td>F05/F07</td>
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<tr>
<td>3BV2FH07</td>
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<td>F07/F10</td>
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<td>12.20</td>
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<td>6.16</td>
<td>25.75</td>
<td>7.25</td>
<td>118 (53.52)</td>
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The Series 3BV3SH 3-Way Stainless Steel Sanitary Ball Valve features sanitary clamp ends allowing for easy line removal. Ideal for use in pharmaceutical, food & beverage, and chemical processing systems. Full port design provides consistent flow characteristics. An ISO 5211 mounting pad is provided for easy automation when attached with an electric or pneumatic actuator. Ball and stem are constructed of quality 316 SS.

### Specification
- **Service:** Compatible liquids and gases.
- **Line Size:** 1/2 to 4".
- **End Connection:** 150# flange.
- **Pressure Limit:** 1000 psi (69 bar).
- **Temperature Limit:** 450°F (232°C); 366°F (186°C) steam.

### Wetted Materials
- **Body and ends:** CF8M.
- **Ball and stem:** 316 SS.
- **Stem packing:** TFE.
- **Gasket and body seal:** TFE.

### Port Configuration
- **L-Port**
- **T-Port**

### Flow Path
- **Position 1**
- **Position 2**

### Dimensions (in)
- **Model**
  - **NPT Size**
  - **ISO Size**
  - **A**
  - **B**
  - **C**
  - **D**
  - **Weight (lb)**

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<tr>
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<th>B</th>
<th>C</th>
<th>D</th>
<th>Weight (lb)</th>
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<tbody>
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<td>5.40</td>
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<td>2.50</td>
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<td>7.20</td>
<td>12.60 (5.72)</td>
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<tr>
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<td>F07/F10</td>
<td>7.70</td>
<td>3.20</td>
<td>4.40</td>
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<td>3.90</td>
<td>4.30</td>
<td>14.60</td>
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<tr>
<td>3BV3SH09</td>
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<td>10.20</td>
<td>4.90</td>
<td>5.30</td>
<td>15.70</td>
<td>56.40 (25.58)</td>
</tr>
</tbody>
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Wetted Materials:
- **Blind cap and bonnet:** CF8M.
- **Gasket and body seal:** TFE.

Other Materials:
- **Anti-static device and spring:** Bellevue washer: 301 SS; Blind cap and bonnet: CF8M.
- **Packing gland, gasket, and seal:** PTFE.
- **Joint gasket:** 316 SS; Anti-static device and spring: PTFE.
- **Gasket and body seal:** TFE.