Series 3MSV

Compact 3-Way Ball Valve
3-Way Blow-Out-Proof Ball & Stem

The Series 3MSV Compact 3-Way Ball Valves are the perfect choice for directional control of fluid in instrumentation and process systems. The micro finished ball and PTFE seats ensure quality seal and easy operation. The straight through flow path design allows for minimal pressure drop. The valve body comes in either brass or 316 SS, offering a variety of options. Blow-out-proof ball and stem provides extra durability and safety in the event of over pressure.

### SPECIFICATIONS

**Service:** Gases and liquids compatible with wetted materials.

**Wetted Materials:**
- Body, connector: 316 SS or brass;
- Stem, ball: 316 SS;
- Stem O-ring, connector O-ring, back-up rings: Fluoroelastomer;
- Ball seats: PTFE.

**Pressure Limits:** 1500 psig (103 bar).

**Temperature Limit:** 35 to 165°F (2 to 74°C).

**Connections:** Female NPT, fractional tube fitting.

### Valve Body

<table>
<thead>
<tr>
<th>Inlet Size</th>
<th>Outlet Size</th>
<th>Orifice Size (in mm)</th>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8&quot;</td>
<td>1/8&quot;</td>
<td>0.093 (2.36)</td>
<td>3MSV-BD110</td>
<td>$87.50</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>1/4&quot;</td>
<td>0.125 (3.18)</td>
<td>3MSV-BD220</td>
<td>$87.50</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>0.250 (6.35)</td>
<td>3MSV-BD340</td>
<td>$172.00</td>
</tr>
<tr>
<td>1/2&quot; x 1/2&quot;</td>
<td>1/2&quot;</td>
<td>0.437 (11.10)</td>
<td>3MSV-BD440</td>
<td>$225.00</td>
</tr>
<tr>
<td>3/4&quot; x 3/4&quot;</td>
<td>3/4&quot;</td>
<td>0.437 (11.10)</td>
<td>3MSV-BD550</td>
<td>$320.00</td>
</tr>
<tr>
<td>1/4&quot; x 1/4&quot;</td>
<td>1/4&quot;</td>
<td>0.250 (6.35)</td>
<td>3MSV-BF120</td>
<td>$79.00</td>
</tr>
<tr>
<td>3/8&quot; x 3/8&quot;</td>
<td>3/8&quot;</td>
<td>0.250 (6.35)</td>
<td>3MSV-BF240</td>
<td>$110.00</td>
</tr>
<tr>
<td>1/2&quot; x 1/2&quot;</td>
<td>1/2&quot;</td>
<td>0.437 (11.10)</td>
<td>3MSV-BF450</td>
<td>$241.00</td>
</tr>
</tbody>
</table>

### Series DV

Timed Automatic Drain Valve
Motorized Ball Valve with Adjustable Digital Timer

Series DV is an automatic drain system designed to eliminate the need to manually drain water and harmful sediments from your compressed air system, thereby improving the systems performance. The unit can be used on receivers, dryers, tanks, and drop legs for sampling and purging a wide variety of liquids. The Series DV has a heavy-duty motor for operation under adverse conditions and an adjustable timer to meet specific user requirements. By design, the Series DV eliminates major drawbacks of other compressed air draining systems. The valve is brass for corrosion resistance and it is a full port ball valve giving maximum and unobstructed flow with no clogging. A test button allows for the unit to be cycled at any time. It is mountable in any position for easy plumbing and trouble free operation.

### SPECIFICATIONS

**Body:** 2 – piece.

**End Connections:** Female NPT.

**Pressure Limit:** 200 psi (13.8 bar).

**Wetted Materials:** Body, end cap; Forged brass ball; Stem, Chrome plated brass; Seat: RTFE; Stem seal: Fluoroelastomer; Bushings: Brass.

**Temperature Limits:** 35 to 165°F (2 to 74°C).

**Other Materials:** Thrust washer: RTFE; Fasteners: SS.

**Discharge Time:** 3.5 seconds non-adjustable.

**Discharge Volume Cycle:** 1/2": 0.92 gal @ 80 psi (valve only); 3/4": 1.64 gal @ 80 psi; 1": 2.50 gal @ 80 psi.

**ACTUATOR**

**Electric**

- Power Requirements: 110 VAC, 60 Hz, single phase.
- Power Consumption: 2.5 A.
- Cycle Time Adjustable: 5 min, 10 min, 15 min, 30 min, 1 hr, 2 hr, 4 hr, 8 hr, 16 hr, 24 hr.

**Housing Material:** Polycarbonate.

**Electrical Connection:** 18 AWGX3C, 8’ (2.4 m) power cord.

### Price

<table>
<thead>
<tr>
<th>Model</th>
<th>Size</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>DV02</td>
<td>1/4&quot; and 1/2&quot;</td>
<td>$302.00</td>
</tr>
<tr>
<td>DV03</td>
<td>3/4&quot;</td>
<td>$306.00</td>
</tr>
<tr>
<td>DV04</td>
<td>1&quot;</td>
<td>$320.00</td>
</tr>
</tbody>
</table>

*Standard is 1/2" with 1/4" bushing.

⑥ Items are subject to Schedule B discounts.

⑦ Call to order 800/872-9141 for website for dimensions.