**3-PIECE NPT STAINLESS STEEL V-BALL VALVE**

V-Port, Vented Ball, Electric or Pneumatic Actuators

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**FEATURES/BENEFITS**

- The 60° and 90° balls offer an equal percentage flow characteristic.
- Limit switches can be mounted to manual valves for remote monitoring.
- Available with a variety of electric and pneumatic actuators.

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**SPECIFICATIONS**

**VALVE**
- Service: Compatible liquids and gases.
- Body: 3-piece.
- Line Sizes: 1/2 to 3”.
- End Connections: Female NPT.
- Pressure Limits: 20° Hg to 1000 psi (-0.7 to 69 bar) up to 250°F.
- Wetted Materials: Body and ball: 316 SS (CF8M); Stem: 316 SS; Seat: RTFE/PTFE; Seal, Washer, and Packing: PTFE.
- Temperature Limits: -20 to 392°F (-29 to 200°C).
- Other Materials: O-ring: Fluoroelastomer; Handle: 304 SS; Washer: 301 SS; Stem Nut, Locking Device, Gland Ring: 304 SS; Handle Sleeve: PVC.

**ACTUATORS**

Pneumatic “DA” and “SR” Series
- Type: DA series is double acting and SR series is spring return (rack and pinion).
- Normal Supply Pressure: DA: 40 to 115 psi (2.7 to 7.9 bar); SR: 80 psi (5.5 bar).
- Maximum Supply Pressure: 120 psi (8.6 bar).
- Air Connections: DA01: 1/8” female NPT; DA02 to DA05: 1/4” female NPT; SR02 to SR07: 1/4” female NPT.
- Housing Material: Anodized aluminum body and epoxy coated aluminum end caps.
- Temperature Limits: -40 to 176°F (-40 to 80°C).
- Accessory Mounting: NAMUR standard.

Electric “TD” and “MD” Series
- Power Requirements: 110 VAC, 220 VAC, 24 VAC or 24 VDC (MD models not available in 24 VDC).
- Power Consumption: See instruction manual.
- Cycle Time (per 90°): TD01: 4 s; MD01: 10 s; TD02 and MD02: 20 s; TD03 and MD03: 30 s.
- Duty Rating: 85%.
- Enclosure Rating: NEMA 4X (IP67).
- Temperature Limits: -22 to 140°F (-30 to 60°C).
- Electrical Connection: 1/2” female NPT.
- Modulating Input: 4 to 20 mA.
- Standard Features: Manual override, position indicator, and TD models come with two limit switches.

Electric “TI” and “MI” Series
- Power Requirements: 110 VAC, 220 VAC, 24 VAC or 24 VDC.
- Power Consumption: See instruction manual.
- Cycle Time (per 90°): See instruction manual.
- Enclosure Rating: NEMA 7, designed to meet hazardous locations: Class I, Group C & D; Class II, Group E, F & G; Division I & II.
- Temperature Limits: -40 to 140°F (-40 to 60°C).
- Electrical Connection: 1/2” female NPT.
- Modulating Input: 4 to 20 mA.
- Standard Features: Position indicator and two limit switches.
3-PIECE NPT STAINLESS STEEL V-BALL VALVE
V-Port, Vented Ball, Electric or Pneumatic Actuators

### MODEL CHART

<table>
<thead>
<tr>
<th>Size</th>
<th>1/2&quot;</th>
<th>3/4&quot;</th>
<th>1&quot;</th>
<th>1-1/2&quot;</th>
<th>2&quot;</th>
<th>2-1/2&quot;</th>
<th>3&quot;</th>
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</thead>
<tbody>
<tr>
<td>Cv (gal/min)</td>
<td>7.9</td>
<td>13.6</td>
<td>22.3</td>
<td>31.5</td>
<td>46.2</td>
<td>104.7</td>
<td>147.5</td>
</tr>
<tr>
<td>@ 60°</td>
<td>7.9</td>
<td>13.6</td>
<td>22.3</td>
<td>31.5</td>
<td>46.2</td>
<td>104.7</td>
<td>147.5</td>
</tr>
<tr>
<td>@ 90°</td>
<td>9.1</td>
<td>14.2</td>
<td>29.1</td>
<td>53.7</td>
<td>75.5</td>
<td>138.4</td>
<td>209.1</td>
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</tbody>
</table>

### MODEL CHART - HAND OPERATED & PNEUMATIC ACTUATOR

<table>
<thead>
<tr>
<th>Example WE06-IHD00-T</th>
<th>WE06-IHD00-T</th>
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<tbody>
<tr>
<td>WE06-IHD00-T</td>
<td>WE06-IHD00-T</td>
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### MODEL CHART - ELECTRIC ACTUATOR

<table>
<thead>
<tr>
<th>Example WE06-ETD01-T-B</th>
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<tr>
<td>WE06-ETD01-T-B</td>
<td>WE06-ETD01-T-B</td>
</tr>
</tbody>
</table>

### ACCESSORIES

- **Model**: R2-2120
  - **Description**: Air regulator
- **Model**: AFR2-2
  - **Description**: Instrument air filter regulator
- **Model**: VB-01
  - **Description**: Volume booster