The Series WE06 3-Piece NPT Stainless Steel V-Ball Valves incorporate a V-port ball valve for impressive flow rates with minimal pressure drop. Quarter turn control ball valves are compact, lighter weight and much less expensive than comparable sized globe valves and segmented control valves. They also offer bubble tight shut off with zero leakage and can withstand high pressure drops. The 60° and 90° balls offer an equal percentage flow characteristic. W.E. Anderson’s V-port ball valves have been designed to offer maximum flow characteristics that are substantially higher than comparably sized globe valves. The natural flow pattern of ball valves increases flow rates and in many applications valves smaller than pipeline size can be used. Limit switches can be mounted directly to the valves allowing for remote position indication.

The Series WE06 can be configured with an electric or pneumatic actuator. Electric actuators are available in weatherproof or explosion-proof, a variety of supply voltages and two-position or modulating control. Two-position actuators use the supply voltage to drive the valve open or closed. The actuator has two supply ports with one driving the valve open and the other driving the valve closed. Spring return pneumatic actuators use the air supply to open the valve and internally loaded springs return the valve to the closed position. Also available is the SV3 solenoid valve to electrically switch the air supply pressure to open the valve and internally loaded springs return the valve to the closed position.

**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.
- **Agency Approvals:** Meets the technical requirements of EU Directive 2011/65/ EU (RoHS II).

**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).
  - **Housing Material:** Powder coated aluminum.
  - **Temperature Limits:** -22 to 140°F (-30 to 60°C).
  - **Electrical Connection:** 1/2” female NPT.
  - **Modulating Input:** 4-20 mA.
  - **Standard Features:** Manual override, position indicator, and M0 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.
  - **Duty Rating:** 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.
  - **Housing Material:** Powder coated aluminum.
  - **Temperature Limits:** -40 to 140°F (-40 to 60°C).
  - **Electrical Connection:** 1/2” female NPT.
  - **Modulating Input:** 4-20 mA.
  - **Standard Features:** Position indicator and two limit switches.
### Model Chart - Hand Operated and Pneumatic Actuator

<table>
<thead>
<tr>
<th>Size</th>
<th>Cv (gal/min)</th>
<th>Popular Hand Operated Model</th>
<th>Popular Double Acting Pneumatic Model</th>
<th>Popular Spring Return Pneumatic Model</th>
<th>Popular NEMA 4X Two Position Electric (110 VAC) Model</th>
<th>Popular NEMA 4X Modulating Electric (110 VAC) Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2”</td>
<td>7.9</td>
<td>WE06-CHD00-T</td>
<td>WE06-CD0-T</td>
<td>WE06-CSR02-T</td>
<td>WE06-CTD01-T-A</td>
<td>WE06-CMD01-T-A</td>
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<tr>
<td>3/4”</td>
<td>13.6</td>
<td>WE06-DHD00-T</td>
<td>WE06-DD0-T</td>
<td>WE06-DSR02-T</td>
<td>WE06-DTD01-T-A</td>
<td>WE06-DMD01-T-A</td>
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<tr>
<td>1”</td>
<td>22.3</td>
<td>WE06-EDH00-T</td>
<td>WE06-EDA0-T</td>
<td>WE06-ESSR03-T</td>
<td>WE06-ETD01-T-A</td>
<td>WE06-EDM01-T-A</td>
</tr>
<tr>
<td>1-1/4”</td>
<td>31.5</td>
<td>WE06-FHD00-T</td>
<td>WE06-FDA0-T</td>
<td>WE06-FSR03-T</td>
<td>WE06-FTD01-T-A</td>
<td>WE06-FMD01-T-A</td>
</tr>
<tr>
<td>1-1/2”</td>
<td>46.2</td>
<td>WE06-GH00-T</td>
<td>WE06-GDA0-T</td>
<td>WE06-GSR04-T</td>
<td>WE06-GTD02-T-A</td>
<td>WE06-GMD01-T-A</td>
</tr>
<tr>
<td>2”</td>
<td>104.7</td>
<td>WE06-HHD00-T</td>
<td>WE06-HDA0-T</td>
<td>WE06-HSR05-T</td>
<td>WE06-HTD02-T-A</td>
<td>WE06-HMD02-T-A</td>
</tr>
<tr>
<td>2-1/2”</td>
<td>147.5</td>
<td>WE06-IDH00-T</td>
<td>WE06-IDA0-T</td>
<td>WE06-ISR07-T</td>
<td>WE06-ITD03-T-A</td>
<td>WE06-IMD03-T-A</td>
</tr>
<tr>
<td>3”</td>
<td>209.1</td>
<td>WE06-JDH00-T</td>
<td>WE06-JDA0-T</td>
<td>WE06-JSR07-T</td>
<td>WE06-JTD03-T-A</td>
<td>WE06-JMD03-T-A</td>
</tr>
</tbody>
</table>

### Example: WE06-CSR02-T-NN09

- **WE06 Series**: 316 SS 3-piece NPT
- **Hand Operated Model**: CHD00
- **Pneumatic Model**: CD0-T
- **Spring Return Model**: CSR02

### MODEL CHART - ELECTRIC ACTUATOR

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<tr>
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<th>Cv (gal/min)</th>
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<tbody>
<tr>
<td>1/2”</td>
<td>7.9</td>
<td>WE06-JMD03-T</td>
<td>WE06-JTD03-T-A</td>
<td>WE06-JT03-T-A</td>
<td>WE06-JMD01-T-A</td>
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<td>WE06-IMD01-T-A</td>
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<td>22.3</td>
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<td>WE06-HTD02-T-A</td>
<td>WE06-HT05-T-A</td>
<td>WE06-HMD01-T-A</td>
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</tr>
<tr>
<td>2”</td>
<td>104.7</td>
<td>WE06-EFD01-T</td>
<td>WE06-ETD01-T-A</td>
<td>WE06-ET05-T-A</td>
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</tbody>
</table>

### Accessories

- **Model**: WE06-CSR02-T-NN09
- **Description**: 316 SS 3-piece NPT

### Repair Kit

- **Model**: VRK-10
- **Valve Series and Size**: WE06-1/2’'

### Parts List - Included in Kit

- 1 PTFE thrust washer
- 1 FKM O-ring
- 2 PTFE stem packing
- 2 PTFE seals
- 2 RTFE seals