The Series WE34 3-Way Flanged Stainless Steel Ball Valves incorporate a full port 3-way flanged SS ball valve for great flow rates with minimal pressure drop. The valve features a blowout-proof stem for added safety, reinforced PTFE seats and seals for longer life, and a 316 SS (ASTM CF8M) ball for better performance. Actuators are direct mounted creating a compact assembly for tight spaces. Limit switches are able to be mounted directly to the valves allowing for remote position indication. The Series WE34 can be configured with either 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, while the modulating actuator accepts a 4-20 mA input for valve positioning. Actuators feature thermal overload protection and permanently lubricated gear train.

The pneumatic double acting actuator uses an air supply to drive the valve open and 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 SN solenoid valve to electrically switch the air supply pressure between the air supply ports for opening and closing the valve. Actuators are constructed of anodized and epoxy coated aluminum for years of corrosion free service.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Service:</td>
<td>Compatible liquids and gases.</td>
</tr>
<tr>
<td>Pressure Limits:</td>
<td>28” Hg to 275 psi (-0.7 to 19 bar) up to 392°F.</td>
</tr>
<tr>
<td>Wetted Materials:</td>
<td>Body and ball: 316 SS (CF8M); Stem: 316 SS; Seat: RTFE/PTFE; Seal, washer, and packing: PTFE.</td>
</tr>
<tr>
<td>Temperature Limits:</td>
<td>-20 to 392°F (-29 to 200°C).</td>
</tr>
<tr>
<td>Other Materials:</td>
<td>O-ring: Fluoroelastomer; Handle: 304 SS; Washer: 301 SS; Stem nut, locking sleeve: PVC.</td>
</tr>
<tr>
<td>Agency Approvals:</td>
<td>Meets the technical requirements of EU Directive 2011/65/EU (RoHS II).</td>
</tr>
</tbody>
</table>

**APPLICATIONS**

- Gas or liquid flow control
- Ideal for quick bubble tight shut-off
- Mixing or diverting liquids and gases

**BENEFITS/FEATURES**

- Capable of being configured to fit any application
- Limit switches can be mounted to manual valves for remote monitoring
- Vented ball to reduce operating torque
- Weatherproof or explosion-proof electric actuators
- Double acting or spring return anodized aluminum pneumatic actuators
- Full port design reduces the pressure drop across the valve
- Eliminates threads and reduces installation and maintenance time

**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 DA06: 1/4” female NPT
- SR03 to SR09: 1/4” female NPT

**HOUSING MATERIAL**

- Anodized aluminum body and epoxy coated aluminum end caps

**ACCESSORY MOUNTING**

- NAMUR standard
# 3-WAY FLANGED STAINLESS STEEL BALL VALVES

**150# ANSI Flange, Vented Ball, Electric or Pneumatic Actuators**

## MODEL CHART

<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>26</td>
<td>WE34-CHD00-T2</td>
<td>WE34-CDA02-T2</td>
<td>WE34-CSR03-T2</td>
<td>WE34-CTD02-T2-A</td>
<td>WE34-CMD01-T2-A</td>
</tr>
<tr>
<td>3/4”</td>
<td>50</td>
<td>WE34-CHD00-T2</td>
<td>WE34-DDA02-T2</td>
<td>WE34-DSR03-T2</td>
<td>WE34-DTD02-T2-A</td>
<td>WE34-DMD01-T2-A</td>
</tr>
<tr>
<td>1”</td>
<td>94</td>
<td>WE34-CHD00-T2</td>
<td>WE34-EAD03-T2</td>
<td>WE34-ESR05-T2</td>
<td>WE34-ETD02-T2-A</td>
<td>WE34-EMD02-T2-A</td>
</tr>
<tr>
<td>1-1/2”</td>
<td>260</td>
<td>WE34-CHD00-T2</td>
<td>WE34-GDA05-T2</td>
<td>WE34-GSR06-T2</td>
<td>WE34-GTD03-T2-A</td>
<td>WE34-GMD03-T2-A</td>
</tr>
<tr>
<td>2”</td>
<td>380</td>
<td>WE34-CHD00-T2</td>
<td>WE34-HAD06-T2</td>
<td>WE34-HSR07-T2</td>
<td>WE34-HTD03-T2-A</td>
<td>WE34-HMD03-T2-A</td>
</tr>
<tr>
<td>2-1/2”</td>
<td>650</td>
<td>WE34-CHD00-T2</td>
<td>WE34-IDA07-T2</td>
<td>WE34-ISR08-T2</td>
<td>WE34-ITD04-T2-A</td>
<td>WE34-IMD04-T2-A</td>
</tr>
<tr>
<td>3”</td>
<td>1000</td>
<td>WE34-CHD00-T2</td>
<td>WE34-JA08-T2</td>
<td>WE34-JSR09-T2</td>
<td>WE34-JTD04-T2-A</td>
<td>WE34-JMD04-T2-A</td>
</tr>
</tbody>
</table>

## MODEL CHART - HAND OPERATED AND PNEUMATIC ACTUATOR

### Example WE34-JDA08-T1-A 00 WE34-JDA08-T1-AB00

- **Series**: WE34
- **Size and Actuator**: 316 SS 3-way 150# ANSI flange

### Valve Position

- **T1**: Flow path A
- **T2**: Flow path B
- **T3**: Flow path C
- **T4**: Flow path D
- **L1**: Flow path E

### Solenoid

- **N/A**: No solenoid
- **N**: NEMA 4X NAMUR solenoid

### Solenoid Voltage

- **N/A**: No solenoid
- **A**: 110 VAC
- **B**: 220 VAC
- **C**: 24 VAC
- **D**: 24 VDC
- **E**: 12 VDC

### Positioner and Switches

- **00**: None
- **01**: 42AD0 exp limit switch
- **02**: 45VDO exp position transmitter
- **03**: 42AD0-B ATEX limit switch
- **04**: 42AD0-E IECEX limit switch
- **06**: QV-210101 poly limit switch
- **07**: VPS and P1 prox switch
- **08**: 285ER-D5 positioner
- **09**: 285ER-D5 smart positioner

### REPAIR KIT

- **Model Valve Series and Size**
  - **VRK-50**: WE34-1/2
  - **VRK-51**: WE34-3/4

### Parts List - Included in Kit

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

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**ACCESSORIES**

- **Model**: VB-01
  - **Description**: Volume booster