2-Piece Flanged Stainless Steel Ball Valve

The Series WE04 incorporates a full port 2-piece 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 WE04 can be configured with either a pneumatic or electric 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 to 20 mA input for valve positioning. Actuators feature thermal overload protection and permanently lubricated gear train.

**FEATURES**
- Capable of being configured to fit any application
- Limit switches can be mounted to manual valves for remote monitoring

**SPECIFICATIONS**

**VALVE**
- **Service:** Compatible liquids and gases.
- **Body:** 2-piece.
- **Line Sizes:** 1/2 to 3”.
- **End Connections:** 150# ANSI flange.
- **Pressure Limits:** 28” Hg to 275 psi (-0.7 to 19 bar) up to 392°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 DA04: 1/4” female NPT
    - SR02 to SR06: 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 240 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 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.
  - **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˝ NPT female.
  - **Modulating Input:** 4 to 20 mA.
  - **Standard Features:** Position indicator and two limit switches.
## Popular Models

<table>
<thead>
<tr>
<th>Size</th>
<th>Cv (gal/min)</th>
<th>Hand Operated</th>
<th>Double Acting</th>
<th>Spring Return</th>
<th>NEMA 4X Two-Position Electric (110 VAC)</th>
<th>NEMA 4X Modulating Electric (110 VAC)</th>
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<tbody>
<tr>
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**WE04 Hand Operated and Pneumatic Actuator Model Chart**

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<th>WE04 GDA03 A B 05</th>
<th>WE04-GDA03-AB05</th>
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</tr>
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<tr>
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**WE04 Electric Actuator Model Chart**

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### ACCESSORIES

- R2-2120, Air Regulator
- AFR2-2, Instrument Air Filter Regulator
- VB-01, Volume Booster