Automated Ball Valves, 3-Way SS Flange

### Electric and Pneumatic Actuators

**SPECIFICATIONS**

- **Service:** Compatible liquids, gases or steam.
- **Body:** 3-Way.
- **Line Size:** 1/2” to 4”.
- **Electrical Connections:** 1500 Flange.
- **Pressure Limit:** 275 psi (19 bar).
- **Wetted Materials:** Body, end cap, stem; 316 SS; Ball; 316 SS; Seat, stem seal; PTFE.
- **Temperature Limit:** -40 to 450°F (-40 to 232°C).
- **Normal Supply Pressure:** 120 psig (8 bar).
- **Maximum Supply Pressure:** 200 psig (13.8 bar).
- **Air Connections:** 1/4” female NPT.
- **Air Supply Ports:** 3/8” NPT female.
- **Power Consumption (Locked Rotor 115 VAC, 60 Hz):** 2.5A.
- **Modulating:** 65°C).
- **Pressure Limit:** 275 psi (19 bar).
- **Conduit Connect:** 1/2” female NPT.
- **Modulating Input:** 4 to 20 mA.
- **Standard Features:** Manual override and visual position indicator except modulating units.

**ACTUATORS**

- **Electrical:**
  - **Power Requirements:** 115 VAC, 60 Hz, single phase. Optional 220 VAC, 24 VDC, and 24 VDC.
- **Power Consumption (Locked Rotor DA series):**
- **Cycle Time:**
  - DA1: 2.5 sec.; DA2: 2.1 sec.; DA3: 1.9 sec.; DA4: 1.7 sec.; DA5: 1.5 sec.; DA6: 1.3 sec.; DA7: 1.1 sec.
- **Duty Cycle:**
- **Enclosure Rating:** NEMA 4.
- **Housing Material:** Anodized aluminum body and epoxy coated aluminum end caps.

**OPTIONS**

- **Explosion Proof Electric Actuator:**
  - Add suffix “EX” to the model number.
- **Solenoil Valve:** See Model SV3

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<th>T-Port</th>
<th>T-Port</th>
<th>Price</th>
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<td>$5222.00</td>
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</table>

* Complete Model includes Port configurations - see “How to Order” above.

**ORDERING INFORMATION**

1. Select Model No. to specify pipe size and actuator.
2. Choose a Port Configuration to determine valve flow path.

**Example:** 3BV2SR404T2

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**TABLES**

**Series 3BV2**

The Series 3BV2 incorporates a full port design for maximum flow rates with minimal pressure drop. Features include a blowout proof stem for added safety and reinforced RTFE seats and seals for longer life and leak free operation. The four port design allows for high cyclic capabilities and tight shut-off in any position. Perfect for mixing or diverting services in the food and chemical processing industries.

The 3BV2 is an economical automated valve package with either an electric or pneumatic actuator. Electrically actuated models are weatherproof, NEMA 4, powered by standard 115 VAC supply, and are available in either two-position or proportional control. Two position actuators use the 115 VAC input to drive each of the valve ports open or closed, while the modulating actuator accepts a 4 to 20 mA input for infinite valve positioning. Actuator features include thermal overload protection to withstand stall conditions, visual position indications and permanently lubricated gear train.

The pneumatic double acting actuator uses an air supply to drive each of the valve ports open or closed, while the modulating actuator accepts a 4 to 20 mA input for infinite valve positioning. Actuator features include thermal overload protection to withstand stall conditions, visual position indications and permanently lubricated gear train.

Items are subject to Schedule B discounts.

**PORT CONFIGURATION**

- **Port Configuration:**
  - All Open
  - All Closed
  - B-C
  - B-C
  - L-B
  - L-B

**FLOW PATH**

- **Flow Path:**
  - A-B
  - A-B
  - A-B
  - A-B

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