Automated Ball Valve - Two-Piece SS Flange

**Features**
- Electric or pneumatic actuators
- Ideal for industrial operations
- PTFE seats and seals
- 150# full port flanged ball valve

**Valves**
- Series BV2-F1 ball valves offer ANSI 150# flanged ends for easy installation. 1/2˝ through 4˝ sizes are standard 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 316SS (ASTM A351 GR CF8M) ball for better performance. Actuators are direct mounted, creating a compact assembly for tight spaces. Double o-ring stem seals assure leak-free operation.

The BV2-F1 Series is an economical automated valve package with either an electric or pneumatic actuator. Electrically actuated models are weatherproof, NEMA 4, powered by 115 VAC, 12 VDC, and 24 VDC. Pneumatic actuator. Electrically actuated models are weatherproof, NEMA 4, powered by 115 VAC, 12 VDC, and 24 VDC.

Two-position actuators use the 115 VAC input to drive the valve open or closed, while the modulating actuator accepts a 4 to 20 mA input for infinite valve positioning. Actuator features thermal overload protection and a 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 SV3 solenoid valve to electrically switch the air supply 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**
- Body: 2 – piece.
- Line Size: 1/2˝ to 4˝.
- End Connections: 150# Flange.
- Pressure Limit: 150 psi (10.3 bar).
- Wetted Materials: Body, end cap, stem seal: 316 SS; Ball: 316 SS; Seat, stem seal: PTFE.
- Temperature Limit: –40 to 450°F (-40 to 232°C).
- Actuators: Electric
  - Power Requirements: 120 VAC, 50/60 Hz, single phase. Optional 220 VAC, 24 VDC, and 24 VDC.
  - Power Consumption (Locked Rotor Current) Two-position: 1/2˝: 0.55A, 3/4˝: 0.75A, 1˝ to 2˝: 0.75A, 3/4˝: 0.99A, 2 and 2-1/2˝: 0.75A, 3˝: 1.1A, Modulating: 1/4˝ to 3/4˝: 0.55A, 1 to 1-1/2˝: 0.75A, 2˝: 0.75A, 2-1/2˝: 0.75A, 3 and 4˝: 1.1A.
  - Cycle Time (per stroke): DA1: 0.03 sec., DA2: 0.05 sec., DA3: 0.06 sec., DA4: 0.08 sec., DA5: 0.10 sec., DA6: 0.13 sec., DA7: 0.17 sec., DA8: 0.20 sec., DA9: 0.25 sec., DA10: 0.30 sec.
  - Housing Material: Aluminum with thermal bonding polyester powder finish.
  - Temperature Limit: 0 to 150°F (-18 to 65°C).

**Options**
- Explosion Proof Electric Actuators - add “EX” to model number
- Other Electric Actuator Supply Voltages
- Contact factory for model number change
- Solenoid Valve - See Model SV3.

**Call to Order**
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