**Automated Ball Valve - Three-Piece SS Sanitary**

- **Cavity filler to reduce the threat of product entrapment**
- **240 grit internal polish**
- **3-piece stainless steel investment cast body**

**FEATURES**

- **Ideal sanitary ball valve for high purity applications including food & beverage, pharmaceutical and biotech industries**
- **3-piece stainless steel investment cast body**
- **240 grit internal polish**
- **Polished clamp end to sanitary finish**
- **Cavity filler to reduce the threat of product entrapment**

**SPECIFICATIONS**

**Body**: 3 – piece.
**Line Size**: 1/2" to 4".
**End Connections**: Tri-Clamp.

**Pressure Limit**: 1/2" to 2": 1000 psi (69 bar) WOG, 2-1/2" to 4": 800 psi (55 bar) WOG.

**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).

**Other Materials**: Body seal, thrust washer: PTFE.

**ACTUATORS**

**Power Requirements**: 120 VAC, 50/60 Hz, single phase. Optional 220 VAC, 24 VAC, 12 VDC, and 24 VDC.

**Power Consumption (Locked Rotor Current)**:
- **DA** Series: Double acting and **SR** Series: Spring return.
  - DA1: 0.05A; DA2: 0.06A; DA3: 0.08A; DA5: 0.08A; DA4, DA6: 0.75A; DA7: 0.75A.
  - SR2: 0.75A; SR3, SR6: 1.1A; SR4, SR5: 1.1A; SR7: 1.1A; SR8: 1.1A.

**Cycle Time** (per 90°):

**Duty Cycle**: Electric two position 1/2"; 1/2" to 2"; 2-1/2" to 4".
**Modulating**: 1/2" to 1-1/2": 10 sec., 2-1/2": 20 sec., 4".

**Enclosure Rating**: NEMA 4. Optional NEMA 7.

**Housing Material**: Aluminum with thermal bonding polyester powder finish.

**Temperature Limit**: 0 to 150°F (-18 to 65°C).

**Electrical Connection**: 1/2" female NPT.

**Modulating Input**: 4 to 20 mA.

**Standard Features**: Manual override and position indicator except modulating units.

**Pneumatic “DA” and “SR” Series**

**Type**: DA Series is double acting and SR Series is spring return (rack and pinion).

**Normal Supply Pressure**: 80 psi (5.5 bar).

**Maximum Supply Pressure**: 130 psig (8.0 bar).

**Air Connections**: DA/SR1 to 5: 1/8" female NPT, all other sizes: 1/4" female NPT.

**Air Consumption (per stroke)**:
- DA1: 2.32 cu. in.; DA2: 2.84 cu. in.; DA3: 3.81 cu. in.; DA4: 7.4 cu. in.; DA6: 12.09 cu. in.; DA9: 17.21 cu. in.; DA11: 30.21 cu. in.
- SR2: 2.32 cu. in.; SR3: 2.38 cu. in.; SR4: 2.43 cu. in.; SR5: 2.49 cu. in.; SR6: 2.55 cu. in.; SR7: 2.61 cu. in.; SR8: 2.67 cu. in.; SR9: 2.73 cu. in.; SR10: 2.79 cu. in.

**Duty Cycle**: Electric two position 1/2"; 75%; All Others: 25%; Modulating: 75%.

**Accessory Mounting**: NAMUR standard.

**Standard Features**: Position indicator.

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**Options**

- **Explosion Proof Electric Actuators**
  - Add “EX” to model number.
  - Models: BV3VA, BV3VB, BV3VC.
  - Explosion Proof Model: BV3VAR202TC.

**Export Automation**

- **Model**: BV3VAR202TC.
  - Actuator Size: XX1.
  - Price Adder: $220.00.
  - Total: $440.00.

- **Model**: BV3VAR1203TC.
  - Actuator Size: XX2.
  - Price Adder: $220.00.
  - Total: $440.00.

- **Model**: BV3VAR1202TC.
  - Actuator Size: XX3.
  - Price Adder: $220.00.
  - Total: $440.00.

**Valve Actuator Supply Voltages**

- **Optional Electric Actuator Supply Voltages**
  - Models: BV3VA, BV3VB, BV3VC.
  - Contact factory for model number change and price.

**Solenoid Valve**

- **Model**: BV3SVC.

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**Note**: All spring return actuators are factory standard as spring (fail) close.

**1/2"**
- **Cv**: 12
- **Model**: BV3DA102TC
  - **Price**: $240.00
- **Model**: BV3SR802TC
  - **Price**: $291.00
- **Model**: BV3U1102TC
  - **Price**: $470.00
- **Model**: BV3U1202TC
  - **Price**: $1747.00

**3/4"**
- **Cv**: 30
- **Model**: BV3DA203TC
  - **Price**: $294.00
- **Model**: BV3SR803TC
  - **Price**: $341.00
- **Model**: BV3U1203TC
  - **Price**: $487.00
- **Model**: BV3U1303TC
  - **Price**: $1747.00

**1"**
- **Cv**: 65
- **Model**: BV3DA404TC
  - **Price**: $320.00
- **Model**: BV3SR804TC
  - **Price**: $366.00
- **Model**: BV3U1404TC
  - **Price**: $622.00
- **Model**: BV3U1504TC
  - **Price**: $1789.00

**1-1/2"**
- **Cv**: 205
- **Model**: BV3DA404TC
  - **Price**: $533.00
- **Model**: BV3SR905TC
  - **Price**: $676.00
- **Model**: BV3U1405TC
  - **Price**: $1280.00
- **Model**: BV3U1505TC
  - **Price**: $2310.00

**2-1/2"**
- **Cv**: 380
- **Model**: BV3DA500TC
  - **Price**: $647.00
- **Model**: BV3SR906TC
  - **Price**: $765.00
- **Model**: BV3U1606TC
  - **Price**: $2248.00
- **Model**: BV3U1706TC
  - **Price**: $2704.00

**3"**
- **Cv**: 675
- **Model**: BV3DA500TC
  - **Price**: $647.00
- **Model**: BV3SR907TC
  - **Price**: $765.00
- **Model**: BV3U1607TC
  - **Price**: $2248.00
- **Model**: BV3U1707TC
  - **Price**: $2704.00

**4"**
- **Cv**: 1100
- **Model**: BV3DA710TC
  - **Price**: $2507.00
- **Model**: BV3SR911TC
  - **Price**: $3156.00
- **Model**: BV3U1810TC
  - **Price**: $4581.00

**Note**: All spring return actuators are factory standard as spring (fail) close. **1/2"** items are subject to Schedule B discounts.