Series BV3-3A ball valves meet 3A sanitary standards and feature triclamp ends for easy line removal. This three-piece sanitary ball valve is ideal for use in food, beverage, semiconductor, or pharmaceutical applications. The cavity filled and full bore designs aid to reduce product entrapment, and provide consistent flow characteristics.

The BV3-3A Series is an economical automated valve packaged with either an electric or pneumatic actuator. Electrically actuated models have a standard weatherproof enclosure, and are available in either two-position or modulating actuator types. 

For pneumatic actuators, the BV3-3A Series is double acting and SR Series is spring return. The BV3-3A series is double acting and SR Series is spring return. Note: All spring return actuators are factory standard as spring return (fail close). Items are subject to Schedule B discounts.

**Series BV3-3A Ball Valves**

- **Cavity Filled Design**
- **Ideal Sanitary Ball Valve** for food, beverage, semiconductor, or pharmaceutial applications. Designed to meet 3A sanitary standards.
- **Aluminum** for years of corrosion free service.
- **Normal Supply Pressure** between the air supply ports for opening and closing available is the SV3 solenoid valve to electrically switch the air supply to the valve.
- **Spring Return-3A**

- **Modulating Actuator**: Modulating: 75%; U11: 5 seconds; U12: 10 sec; U14: 15 sec; U15: 20 sec; V11: 30 sec; V17: 60 sec; V18: 24 sec; V19: 1.10A; V18: 2.60A; V19: 2.90A.
- **Two Position Actuator**: Two position: U11: 0.55A; U12 & U14: 0.75A; U15 & U17: 1.10A; U18: 2.60A; U19: 2.90A; SR6: 54.37 in³; SR7: 85.43 in³; SR8: 215.11 in³.
- **Cycle Time (per 90°)**: U15 & U17: 14.79 sec; U18: 2.60A; U19: 2.90A.
- **Price**
  - **Model BV3SR910TC-3A**
  - **Model BV3SR707TC-3A**
  - **Model BV3SR606TC-3A**
  - **Model BV3SR304TC-3A**
  - **Model BV3SR303TC-3A**

**Electric Actuators**

- **V11** to 4**: 1/2˝ to 4˝.**
- **V12**: 90°; V14: 90°; V16: 90°; V17: 90°; V18: 90°; V19: 90°.
- **Price**
  - **Model BV3U1507TC-3A**
  - **Model BV3U1406TC-3A**
  - **Model BV3U1203TC-3A**
  - **Model BV3U1102TC-3A**

**Options**

- **Explosion Proof Electric Actuators**
  - **Model BV31502TC-3A**
  - **Model BV31407TC-3A**
  - **Model BV31306TC-3A**
  - **Model BV31204TC-3A**
  - **Model BV31102TC-3A**
  - **Price**
    - **Model BV31502TC-3A**
    - **Model BV31407TC-3A**
    - **Model BV31306TC-3A**
    - **Model BV31204TC-3A**
    - **Model BV31102TC-3A**

**Electric-3A**

- **Model BV3U1507TC-3A**
- **Model BV3U1406TC-3A**
- **Model BV3U1203TC-3A**
- **Model BV3U1102TC-3A**

**Size**

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<th>Size</th>
<th>Cv</th>
<th>Double Acting Pneumatic</th>
<th>Spring Return Pneumatic</th>
<th>Two Position Electric</th>
<th>Modulating Electric</th>
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<td>BV3DA0102TC-3A</td>
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<td>BV3U2208TC-3A</td>
<td>BV3V2208TC-3A</td>
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</tbody>
</table>

**Specifications**

- **Body**: 3-piece.
- **Line Size**: 1/2" to 4".
- **End Connections**: Triclamp (liner meets BS 4825, part 3).
- **Pressure Limit**: 1/2" to 2": 1000 psi (69 bar) WOG; 2-1/2" to 4": 800 psi (55 bar) WOG.
- **Wetted Materials**: Body: ball, end caps; CF8M SS; Stem: SS; Seats, body seal, thrust washer, packing: TFE.
- **Temperature Limit**: -40 to 450°F (-40 to 232°C) CWP.
- **Other Materials**: 304 SS, Vinylic.
- **Agency Approvals**: Meets 3A.

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

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

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

**Maximum Supply Pressure**: 120 psi (8.4 bar).

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

**Air Consumption**: DA1: 1.71 in³; DA2: 9.34 in³; DA4: 20.5 in³; DA6: 66.76 in³; DA7: 103.74 in³; SR1: 2.80 in³; SR6: 7.36 in³; SR7: 23.76 in³; SR8: 74.03 in³; SR9: 215.11 in³.

**Cycle Time (per 90°)**: U11, U12, U14, U15, U17: 60 sec; V11: 30 sec; V17: 60 sec; V19: 28 sec.

**Duty Cycle**: U11: 75%; U12, U14, U15, U17: 25%; U18 & U19: 100%.

**Modulating**: 75%.

**OPTIONS**

- **Electric Actuators**
  - **Model BV31502TC-3A**
  - **Model BV31407TC-3A**
  - **Model BV31306TC-3A**
  - **Model BV31204TC-3A**
  - **Model BV31102TC-3A**

- **Explosion Proof Electric Actuators**
  - **Model BV31502TC-3A**
  - **Model BV31407TC-3A**
  - **Model BV31306TC-3A**
  - **Model BV31204TC-3A**
  - **Model BV31102TC-3A**

- **Contact factory for model number change and price.**

- **Solenoid Valve- See Model SV3**