The Series 3ABV incorporates a standard port valve for great flow rates with minimal pressure drop. Features include a blowout proof stem for added safety and reinforced TFE seats and seals for longer life and leak-free operation. The four seat design allows for high cyclical capabilities and tight shut-off in any position. Perfect for mixing or diverting services with constant accuracy. The four seat design allows for high cyclical capabilities and tight shut-off in any position. Perfect for mixing or diverting services with constant accuracy.

### Specifications

**Service:** Compatible liquids, gases and steam.

**Body:** 3-way.

**Line Size:** 1/4" to 2".

**End Connections:** Female NPT.

**Pressure Limits:** 1/4" to 1/4"- 435 psi (30 bar) WOG, 1/2"- 1/2"- 232 psi (16 bar) WOG, 2"- 2"- 145 psi (10 bar) WOG, 100 psi (6.9 bar) SWP.

**Wetted Materials:** Body: end cap, stem: Brass; Ball; Chrome plated; Seat: stem seal: TFE.

**Temperature Limits:** 32°F to 180°F (0°C to 82°C).

**Other Materials:** Body seal, body - O-ring, stem - O-ring: Fluoroelastomer.

### Electric Actuators

**Power Requirements:** 120 Vac, 20 Vac, 24 Vac, 12 VDC, and 24 VDC.

**Power Consumption (Locked Rotor Current):** Two position: 1/4" to 3/4": 55 A, 1" to 2": 75 A; Modulating: 1/4" to 3/4": 55 A, 1" to 2": 75 A.

**Cycle Time:** 1/4" to 3/4": 2.5 s, 1" to 2": 5 s; Modulating: 1/4" to 3/4": 2.5 s, 1" to 2": 5 s.

**Duty Cycle:** Two position: 1/4" to 3/4": 75%, 1" to 2": 25%; Modulating: 75%.

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

**Housing Material:** Anodized aluminum body and epoxy coated aluminum end caps.

**Temperature Limit:** -4 to 180°F (-20 to 82°C).

**Accessories:** Available for NAMUR standard. Special Features: Visual position indicator.

### Options

**Explosion Proof Electric Actuators:** -add “EX” to model number.

**Optional Electric Actuator Supply Voltages:** Contact factory for model number change.

### How To Order:

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

**Example:** 3ABV1DA204-T2

<table>
<thead>
<tr>
<th>Size</th>
<th>L-Port</th>
<th>T-Port</th>
<th>Double Acting Pneumatic Model*</th>
<th>Spring Return Pneumatic Model*</th>
<th>Two Position Electric Model*</th>
<th>Modulating Electric Model*</th>
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<td>3ABV1SR200</td>
<td>3ABV1U1100</td>
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<td>3ABV1U1207</td>
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* Complete model includes Port Configuration - see “How to Order” above.

For filters or regulators see pages 562 through 566.