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 capacity capabilities and tight shut-off in any position. Perfect for mixing or diverting services in the food and chemical processing industries.

The 3ABV is an economical automated valve package with either an electric or pneumatic actuator. Electrically actuated models are weatherproof, NEMA 4 (IP56), powered by standard 115 VAC input to drive each of the valve ports open or closed, while the pneumatic actuator uses 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 indication, and permanently lubricated gear train.

The pneumatic double acting actuator uses an air supply to drive each of the actuator ports. Spring return pneumatic actuators use the air supply to drive the valve stem in one direction, and internally loaded springs return the valve to its original position. Also available is the SV3 solenoid valve to electrically switch the supply pressure between the air supply ports.

**How To Order:**
1. Select Model No. to specify pipe size and actuator.
2. Choose a Port Configuration to determine valve flow path.
3. Example: 3ABV1DA204-T2

### SPECIFICATIONS

**Service:** Compatible liquids, gases or 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" to 1/2": 232 psi (16 bar) WOG
- 3/4" to 3/4": 145 psi (10 bar) WOG
- 1" to 1": 100 psi (6.9 bar) SWP

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

**Temperature Limits:**
- -32°C to 180°C (-25 to 356°F)

**ACTUATORS**

#### Electric

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

- Power Consumption (Locked Rotor Current): Two position: 1/4" to 3/4": 1.5 A; 1/2" to 2": 2.5 A; Modulating: 1/4" to 3/4": 2.5 A, 1" to 2": 5 A; Modulating: 1/4" to 3/4": 2.5 A, 1" to 2": 5 A.

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

#### Pneumatic

- Loss of Air Pressure: Two position: 1/4" to 3/4": 2 s, 1" to 2": 6 s; Modulating: 1/4" to 3/4": 2 s, 1" to 2": 6 s.

- Modulating: 75%.


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

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

**Accessory Mounting:** NAMUR standard.

**Standard Features:**
- Visual position indication.

### OPTIONS

- Explosion Proof Electric Actuators
- + "EX" to model number

#### Actuator Size

- Price Adder
  - XX1: +$236.00
  - XX2-XX6: +$326.00

#### Solenoid Valve

- See Model SV3.