**Series BV3-TC** ball valves feature sanitary clamp ends for easy line removal. The sanitary polish is ideal for use in pharmaceutical, food & beverage, and chemical processing systems, while the cavity filler aids to reduce product entrapment, and the full bore design provides consistent flow characteristics. Best of all, Dwyer Instruments sanitary ball valves are economically and durable.

The BV3 Series is an economical automated valve package with either an electric or pneumatic actuator. Electrically actuated models are weatherproof, NEMA 4, powered by standard 115 VAC supply, and are available in either two-position or proportional configuration. 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 bonding polyester powder finish.

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 SVI solenoid valve to electrically switch the air supply pressure 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.

**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”: 1500 psi (10.34 MPa); 2-1/2” to 4”: 1000 psi (6.86 MPa); 3-1/4” to 4-1/4”: 750 psi (5.15 MPa); 5” to 6”: 500 psi (3.45 MPa); 7-1/8” to 10-1/8”: 350 psi (2.41 MPa)
- 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 (0.55 bar)
  - Maximum Supply Pressure: 130 psig (8.0 bar)
  - Air Connections: DA/SR to 5: 1/8” female NPT, all other sizes: 1/4” female NPT
- 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: Position indicator.

### OPTIONS
- Explosion Proof Electric Actuators - add “-EX” to model number
- Optional Electric Actuator Supply Voltages
- Solenoid Valve - See Model SV3.