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

**Features**
- Designed to meet 3A sanitary standards
- Ideal sanitary ball valve for food, beverage, semi-conductor, or pharmaceutical applications
- 240 grit bore polish
- 3-piece stainless steel investment cast body
- Cavity filled design

**Options**
- Explosion Proof Electric Actuators
- Add “-EX” to model number

**Specifications**
- Body: 3-piece
- Line Size: 1/2” to 4”
- End Connections: Tri-clamp (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: 316 SS; Seals, body seal, thrust washer, packing: TFE.
- Temperature Limit: -40 to 450°F (-40 to 232°C) CWP.
- Other Materials: 304 SS, Vinyl
- Agency Approvals: Meets 3A

**Actuators**
- Electric
- Normal Supply Pressure: 80 psi (5.5 bar)
- Air Connections: DA/SR1 to 5: 1/8” female NPT, all other sizes: 1/4” female NPT
- Air Consumption (per stroke): DA1: .03 sec; DA2: .04 sec; DA4: .12 sec; DA6: .22 sec; DA7: .46 sec; SR2: .09 sec; SR3: .14 sec; SR6: .46 sec; SR7: .78 sec; SR9: 1.34 sec
- Explosion Protection: Meets NAMUR standard
- Standard Features: Position indicator

**Pneumatic Double Acting-3A**
- DA1: .03 sec; DA2: .04 sec; DA4: .12 sec; DA6: .22 sec; DA7: .46 sec; SR2: .09 sec; SR3: .14 sec; SR6: .46 sec; SR7: .78 sec; SR9: 1.34 sec

**Pneumatic Spring Return-3A**
- DA1: .03 sec; DA2: .04 sec; DA4: .12 sec; DA6: .22 sec; DA7: .46 sec; SR2: .09 sec; SR3: .14 sec; SR6: .46 sec; SR7: .78 sec; SR9: 1.34 sec

**Spring Return-3A**
- DA1: .03 sec; DA2: .04 sec; DA4: .12 sec; DA6: .22 sec; DA7: .46 sec; SR2: .09 sec; SR3: .14 sec; SR6: .46 sec; SR7: .78 sec; SR9: 1.34 sec

**Electric Actuator Supply Voltages**
- Contact factory for model number change

**Solenoild Valve**
- See Model SV3

**Double Acting Pneumatic**
- Model: BV3DA102TC-3A
- Spring Return Pneumatic
- Model: BV3SR102TC-3A

**Two Position Electric**
- Model: BV3U1102TC-3A

**Modulating Electric**
- Model: BV3V1102TC-3A

**Temperature Limit**
- -40 to 150°F (-40 to 65°C)
- Electrical Connection: 1/2” to 2-1/2”: 1/2” NPT, 3” & 4”: 3/4” NPT
- Modulating input: 4 to 20 mA

**Pneumatic “DA” and “SR” Series**
- DA Series is double acting and SR Series is spring return (rack and pinion)
- Maximum Supply Pressure: 120 psi (8 bar)
- Air Consumption: DA/SR1 to 5: 1/8” female NPT, all other sizes: 1/4” female NPT
- Air Consumption (per stroke): DA1: 1.71 in3; DA2: 9.34 in3; DA4: 20.52 in3; DA6: 66.76 in3; DA7: 103.74 in3; SR2: 7.69 in3; SR3: 14.22 in3; SR6: 54.37 in3; SR7: 85.43 in3; SR9: 215.11 in3
- Cycle Time (90°): DA1: .03 sec; DA2: .04 sec; DA4: .12 sec; DA6: .22 sec; DA7: .46 sec; SR2: .09 sec; SR3: .14 sec; SR6: .46 sec; SR7: .78 sec; SR9: 1.34 sec
- Housing Material: Anodized aluminum body and epoxy coated aluminum end caps
- Temperature Limit: -4 to 180°F (-20 to 85°C)
- Accessory Mounting: NAMUR standard

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