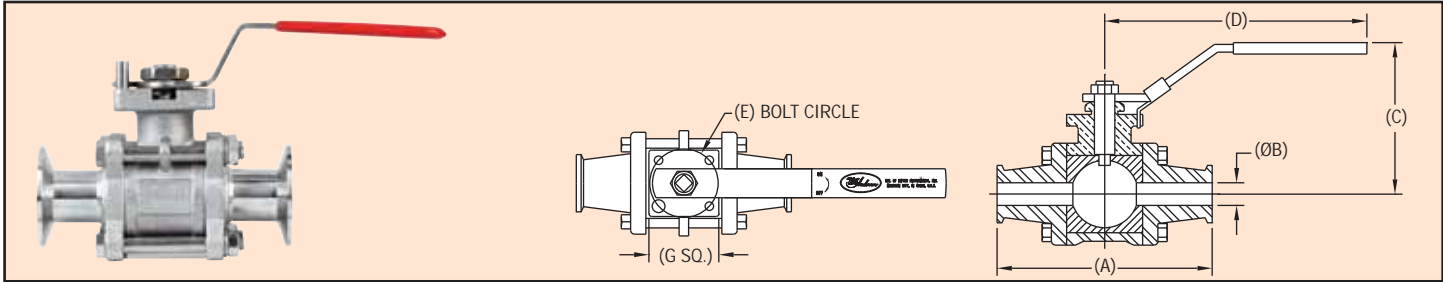




Series
BV3HL

Three-Piece Sanitary Ball Valve

Hand Lever, Stainless Steel Construction, Cavity Filled



Series BV3HL Sanitary Manual Ball Valves

- Ideal sanitary ball valve for high purity applications, including food & beverage, pharmaceutical and biotech industries.
- Three-piece stainless steel investment cast body.
- 240 Grit internal polish.
- Polished clamp end to sanitary finish.
- PTFE cavity filler to reduce the threat of product entrapment.

Series BV3HL Sanitary 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. PTFE filled cavities aid to reduce product entrapment, while the full bore design provides consistent flow characteristics. The swing-out design of the valve allows for maintenance of the center section while leaving the ends clamped in place. Superior leak protection is accomplished by using a live-loaded packing system. An ISO 5211 mounting pad is provided for easy automation when combined with an electric or pneumatic actuator.

| Size | Model |
|--------|-----------|
| 1/2" | BV3HL02TC |
| 3/4" | BV3HL03TC |
| 1" | BV3HL04TC |
| 1-1/2" | BV3HL06TC |
| 2" | BV3HL07TC |
| 2-1/2" | BV3HL08TC |
| 3" | BV3HL09TC |
| 4" | BV3HL10TC |

Dimensions

| Size (in.) | ISO 5211 | A (in.) | B (in.) | C (in.) | D (in.) | E (in.) | G (in.) | Cv | Torque (in-lb) | Weight lb (kg) |
|------------|----------|---------|---------|---------|---------|-----------|---------|------|----------------|----------------|
| 1/2" | F03-F04 | 4.33 | 0.37 | 2.05 | 3.94 | 1.42/1.65 | 1.46 | 14 | 60 | 1.4 (0.64) |
| 3/4" | F03-F04 | 4.68 | 0.63 | 2.24 | 5.16 | 1.42/1.65 | 1.46 | 45 | 80 | 2.0 (0.91) |
| 1" | F04-F05 | 4.88 | 0.87 | 2.36 | 5.16 | 1.65/1.97 | 1.87 | 81 | 100 | 2.9 (1.3) |
| 1-1/2" | F05-F07 | 5.55 | 1.37 | 3.54 | 7.36 | 1.97/2.76 | 2.20 | 215 | 380 | 5.7 (2.6) |
| 2" | F05-F07 | 6.37 | 1.87 | 5.51 | 7.36 | 1.97/2.76 | 2.20 | 410 | 450 | 9.0 (4.1) |
| 2-1/2" | F07 | 7.76 | 2.07 | 5.91 | 10.24 | 2.76 | 3.15 | 618 | 650 | 19.3 (8.8) |
| 3" | F07 | 9.02 | 2.87 | 6.10 | 10.24 | 2.76 | 3.15 | 940 | 900 | 31.2 (14.2) |
| 4" | F10 | 9.49 | 3.83 | 7.09 | 11.24 | 4.02 | 4.26 | 1840 | 1632 | 43.7 (19.8) |

SPECIFICATIONS

Service: Compatible liquids and gases.

Body: 3-piece.

Line Size: 1/2" to 4".

End Connections: Sanitary clamp (liner meets BS 4825, part 3).

Pressure Limits: 1000 psi (69 bar) WOG.

Wetted Materials: Body, Ball, End Caps: CF8M stainless steel. Stem: 316 SS. Stem Seal: Fluoroelastomer. Seats, Body Seal, Thrust Washer, Packing: PTFE.

Temperature Limits: -40 to 450° (-40 to 232°C) CWP. 297°F (147°C) steam maximum.

Other Materials: 304 SS, vinyl.