Three-Piece Sanitary Ball Valve

Valve Features:
- Ideal sanitary ball valve for high purity applications, including food & beverage, pharmaceutical and biotech industries.
- Three-piece SS investment cast body.
- Polished clamp end to sanitary finish.
- PTFE cavity filler to reduce the threat of product entrapment.
- 15RA internal bore polish.
- Designed to meet 3A sanitary standards.

Agency Approvals:
- Meets 3A.

Wetted Materials:
- Body, ball, end caps: CF8M SS.
- Stem: 316 SS.
- Seats, body seal, thrust washer, packing: TFE.

Pressure Limits:
- 1000 psi (69 bar) WOG.

Other Materials:
- 304 SS, vinyl.

Model and Torque Specifications:
- Series BV3HL-3A
  - Dimensions:
    - Size (in.) | ISO 5211 | A (in.) | B (in.) | C (in.) | D (in.) | Cv | Torque (in-lb) | Weight lb (kg)
    - 1/2” | F03-F04 | 3.50 | 0.37 | 2.05 | 3.94 | 1.46 | 14 | 60 | 1.55 (0.70)
    - 3/4” | F03-F04 | 3.98 | 0.63 | 2.24 | 5.16 | 1.46 | 45 | 80 | 1.95 (0.88)
    - 1” | F04-F05 | 4.49 | 0.87 | 2.36 | 5.16 | 81 | 100 | 2.80 (1.27)
    - 1-1/2” | F05-F07 | 5.51 | 1.38 | 3.54 | 7.36 | 215 | 380 | 7.00 (3.18)
    - 2” | F05-F07 | 6.14 | 1.87 | 4.02 | 7.36 | 410 | 450 | 9.50 (4.31)
    - 2-1/2” | F07 | 7.76 | 2.37 | 5.51 | 10.24 | 618 | 650 | 19.50 (8.85)
    - 3” | F07 | 9.02 | 2.87 | 6.10 | 10.24 | 940 | 900 | 29.50 (13.38)
    - 4” | F10 | 9.49 | 3.84 | 7.09 | 11.24 | 1840 | 1532 | 43.00 (19.50)

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.

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