Series HBV Ni-Alloy C Ball Valve incorporates several innovative design features for improved process performance. The ISO 5211 mounting pad facilitates direct mounting of pneumatic and electric actuators. In combination with our high-cycle, live-loaded stem packing system, the HBV series ball valve is an ideal choice for all your automation requirements.

**Specifications**

- **Service**: Gases, steam and liquids compatible with wetted materials.
- **End Connections**: Female NPT.
- **Pressure Limits**: 2000 psi (137.9 bar); ASME B16.34 Class 900 (see chart).
- **Temperature Limit**: -20 to 425°F (-29 to 218°C).
- **Wetted Materials**:
  - Valve body and end caps: CF8M; Ball and stem: 316 SS; Seat: TFM1600.
  - Stem seal, body seal, and stem packing: PTFE; Other Materials: Body bolt, gland, stem nut, space washer, and handle: 304 SS; Handle cover: Vinyl.
  - Batting surface: Vinyl.

**Process Connections**

- **Size**
  - 1/4”
  - 3/8”
  - 1/2”
  - 3/4”
  - 1”
  - 1-1/4”
  - 1-1/2”
  - 2”

- **Model**
  - HBV-M01
  - HBV-M02
  - HBV-M03
  - HBV-M04

- **Ball Angle (Degrees)**
  - 90
  - 60

**Specifications**

- **Service**: Gases and liquids compatible with wetted materials.
- **End Connections**: Female NPT.
- **Pressure Limits**: 1000 psi (68.9 bar).
- **Temperature Limit**: -30 to 400°F (-34 to 204°C).
- **Wetted Materials**:
  - Valve body and end caps: CF8M; Ball and stem: 316 SS; Stem seal, body seal, and stem packing: PTFE; Seat: TFM1600.
  - Other Materials: Body bolt, gland, stem nut, space washer, and handle: 304 SS; Handle cover: Vinyl.

**Process Connections**

- **Size**
  - 1/2”
  - 3/4”
  - 1”
  - 1-1/4”
  - 1-1/2”
  - 2”

- **Model**
  - SVB-M903
  - SVB-M904
  - SVB-M905
  - SVB-M906
  - SVB-M907

- **Ball Angle (Degrees)**
  - 90
  - 60

**Specifications**

- **Service**: Gases, steam and liquids compatible with wetted materials.
- **End Connections**: Female NPT.
- **Pressure Limits**: 2000 psi (137.9 bar); ASME B16.34 Class 900 (see chart).
- **Temperature Limit**: -20 to 425°F (-29 to 218°C).
- **Wetted Materials**:
  - Valve body and end caps: CF8M; Ball and stem: 316 SS; Stem seal, body seal, and stem packing: PTFE; Seat: TFM1600.
  - Other Materials: Body bolt, gland, stem nut, space washer, and handle: 304 SS; Handle cover: Vinyl.

**Process Connections**

- **Size**
  - 1/2”
  - 3/4”
  - 1”
  - 1-1/4”
  - 1-1/2”
  - 2”

- **Model**
  - HBV-M01
  - HBV-M02
  - HBV-M03
  - HBV-M04
  - HBV-M05
  - HBV-M06
  - HBV-M07
  - HBV-M08

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