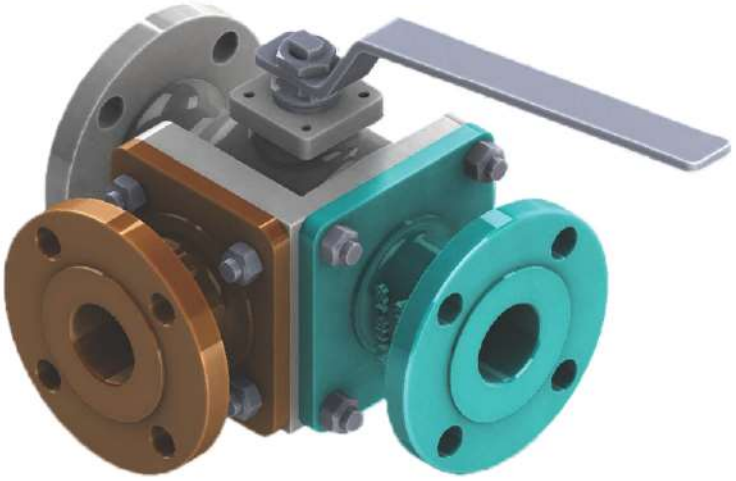
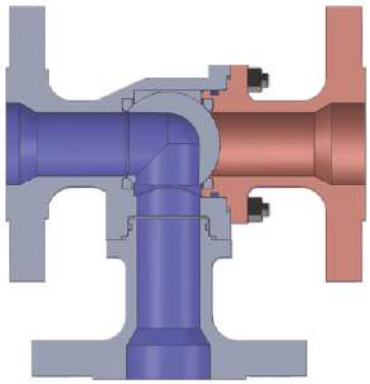
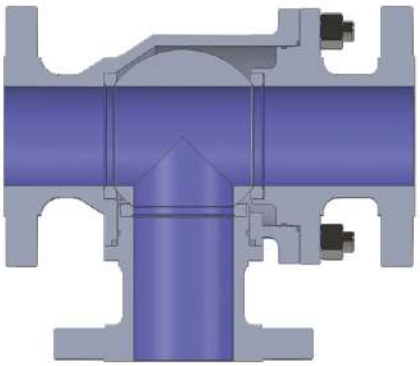


Multi- Port Ball Valve

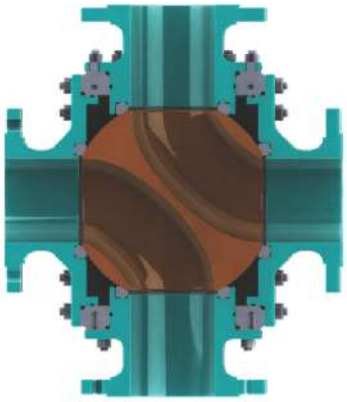
- Size : DN15-DN300
- Rating : Class 150-600
- Operation: Lever, Gear box or Automation



L - Port



T - Port



4 - Port

PHBB manufactures Multi-port ball valves with L-Port, T-Port, 4-Ways configurations for special applications.The valve operation is performed by rotating a single lever for all ports.

Jacketed Ball Valve

- Size : DN15-DN300
- Rating : Class 150 - 1500
- Jacket Type : Full or Partial Jacekted
- Drain : Flanged/NPT/BSP
- Operation : Lever, Gear box or Automation

The jacket fits between valve flanges and ensures consistent heating or cooling of the process media to prevent crystallization or solidification. Every valve is tested before and after the jackets are welded to the body. Jacketed valves can be supplied as 2-way or 3-way type with flanged ends.

Special Ball Valves

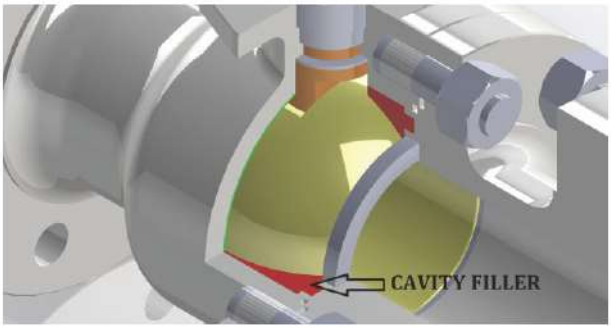
Fully Welded Ball Valve

- Size : DN25-DN600
- Rating : Class 150 - 1500
- Type : Floating or Trunnion
- Operation : Lever, Gear box or Automation

PHBB Fully Welded Ball Valves eliminate body joint flanges, thus reducing overall weight and potential leak paths. Designed to provide increased resistance to both pipeline pressures and stresses, fully welded valves offer high strength at optimum weight. Inherently lesser leak paths also enhance environmental protection and improved fugitive emission testing performance. Fully welded Ball Valves are extensively used in Gas Transmission, distribution, storage and separation systems, skids to name a few applications.

Cavity Filled Ball Valve

- Size : DN15 - DN25
- Rating : Class 150 - 600
- Material : PTFE, TFM
- Operation : Lever, Gear box or Automation



PHBB cavity filled Ball Valves are used in applications where there is possibility of fluid getting trapped inside the cavity that gets formed in a ball valve between body and ball. PHBB offers a unique cavity filler that gets locked securely on to the body and does not get loosened during valve operation. Additionally, the valve seats are not integral with the cavity filler & this offers excellent leak tightness in demanding service conditions.

Features :

- Blow Out Proof Stem
- Tamper Proof Anti-Static Device
- Optional Open & Close Position Locking
- Wide Stem and Body seal options
- Valves are Type Tested for Fugitive Emission
- Fire Safe Design
- Double Seal Body Joint & Live Loaded Stem Packing
- Cavity Relief for Safety
- Wide Range of Seat and Seal Materials
- Construction Available in Single, Two and Three piece

Reference Standards :

- Design Standards : ISO 17292, ASME B16.34, ASME B16.10, EN 12516-1 & 2, API 608
- Ends : ASME B16.5, ASME B16.11, ASME B16.25, API 1.20.1, EN 1759, EN1092 - 1 & 3
- Fire Safe Standards : API 607, ISO 10497, API 6FA
- Testing Standards : API 598, EN 12266-1
- Material Standards : ASTM, NACE MR 0175/ISO 15156-1, 2 & 3, NORSOK M650

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