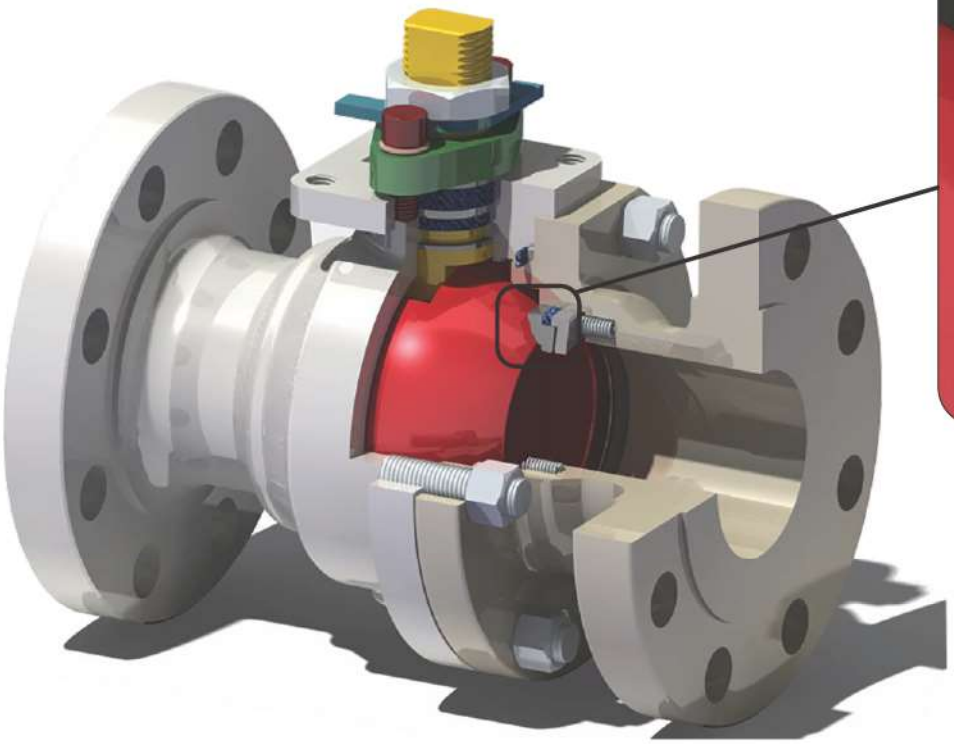
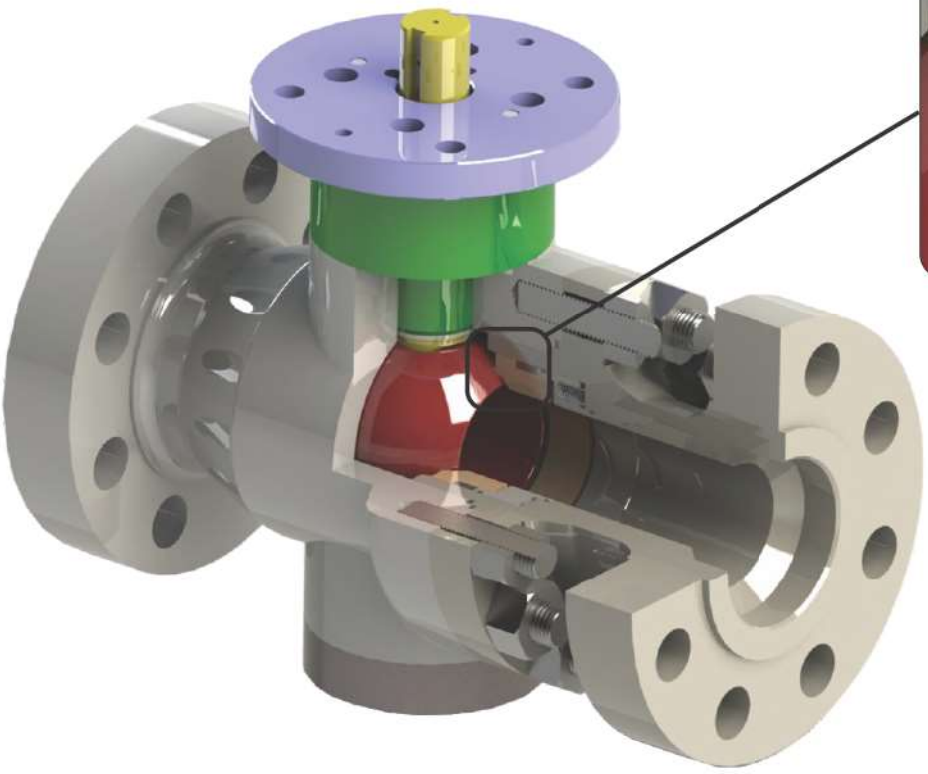
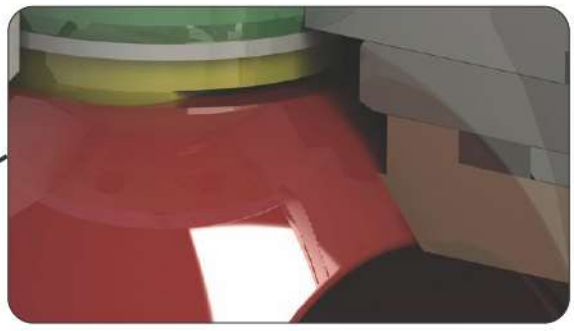


Seat Design - Floating Ball Valve

Range

- Size : DN10-DN100
- Rating : Class 150-2500





Seat Design - Trunnion Ball Valve

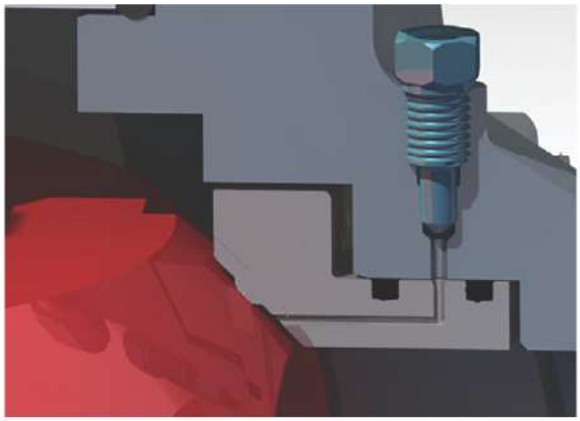
Range

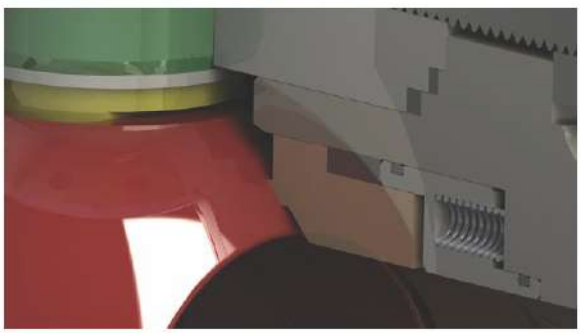
- Size : DN50-DN400
- Rating : Class 150-2500

Metal Seated Ball Valves

Features

- PHBB Valves offers a full range of Metal seated Ball Valves in Floating and Trunnion types. Valves are manufactured in Bolted design as standard. Fully welded can be offered against requirements. Valves are manufactured to latest design and manufacturing standards in Flanged, Butt-weld, Socket weld and Hub ends.
- Blow Out Proof Stem : All valves are provided with blow-out proof stem which firmly rests against the body collar & prevents blow-out against pressure
- Tamper Proof Anti-Static Device : Antistatic device is a standard feature in all valves which is firmly in place even in disassembled position and provides a continuity from ball to the body.
- Double Seal Body Gasket : An important feature of PHBB Valves is, all valves incorporate a double seal Body Joint. The joint can be provided with various seal combinations to meet stringent process and fugitive emission norms.
- Optional Open & Close Position Locking : When required Valves can be provided with locking mechanisms for a padlock to be used on Lever and Gear operated Valves.
- HVOF Coated TCC & CCC - Ball and Seat : Tungsten/Chromium Carbide Coatings are the most frequently applied wear resistant surface treatments. Coating is carried out with HVOF (High Velocity Oxygen Fuel) spray system. The coating with HVOF process is smooth, uniform, adherent and free from blisters, nodules, cracks or any other defects that would affect the wear or sealing characteristics. HOVF Process offers very high bond strength compared to any other coating/plating methods
- Optional Emergency Stem & Seat Sealant Injection for Trunnion Valve : Additional emergency sealant injection facility for seats and stem can be provided for temporary sealing if accidental damage occurs to the sealing areas during service.
- Detachable seat and Seat Retainer design gives easy access to trim components.
- Fire Safe Design : Metal-to-Metal seats and graphite seals makes the valves inherently Fire safe.
- Ground and Mate Lapped Ball and Seats : All coated surfaces are ground and lapped. The two seats are mate lapped with the corresponding ball surface to assure better leak tightness.
- Protected Springs and Scraper Seat : Ball valves by their construction allow liquids and solids to be trapped within the body-ball cavity. Therefore there is a need to protect the seat and seal areas from ingress of cavity particulate. This is achieved by seat designs which incorporate additional seals, and a configured KNIFE edge on the seat at ball contact which provides a wiping action





Reference Standards

- Design Standards : ISO 17292, API 6D, 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, API 6D, ANSI FCI 70-2
- Material Standards : ASTM, NACE MR 0175/ISO 15156-1, 2 & 3, NORSOK M650

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TAURUS Metal Seated BV 03/19