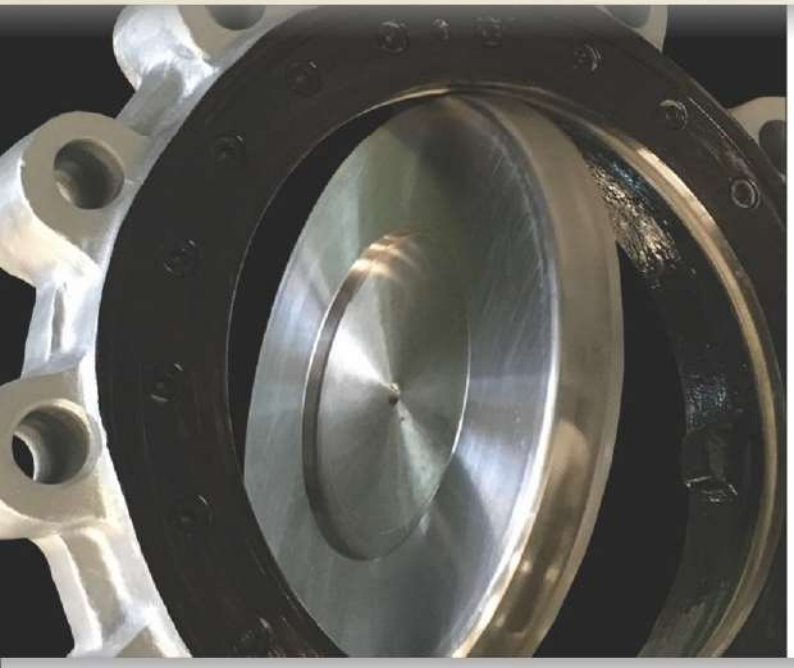
High Performance Butterfly Valves



Features & Benefits

PHBB Body designs come in Wafer, Lug and Double Flanged types with bi-directional sealing.

Offered in # 150, #300 and #600.

Wafer valves are designed to centre itself within the bolt circle by using the valve's outside diameter.

Lug type body design have provision for drilled holes or drilled & tapped holes, and can be used for dead end service. Double flanged valves have integrally cast flanges with the body.

Painting can be offered as per NORSOK, NACE II, NACE III.

NDE option as per ASME & EN.

Production Range

Size: DN50-DN750
Rating: #150, #300, #600
Operation : Hand lever, Manual Gear and Actuated

Design & Manufacturing standards

PHBB Double offset Butterfly valves, meet the following International Standards : API 609 Category B, EN 593, ASME B16.34, ASME B16.5, ASME B16.47, ASME B16.10, EN 12516-1 & 2, ISO 5211

Materials

PHBB can offer a wide variety of Body, Disc and Stem materials to suit specific customer requirements viz. Carbon steel, Stainless Steel, Duplex and Super Duplex, Aluminium Bronze, Monel, Inconel and other super Alloys. Materials meeting NORSOK M650 specification can be supplied with QTR.

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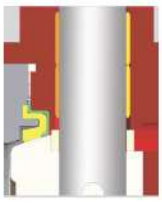
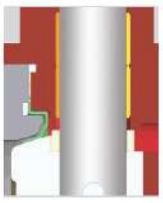
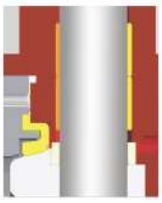


Firesafe Seat



Metal Seat



Soft Seat

Seat

PHBB can offer a host of seat Materials in PTFE, RPTFE Fire Safe, Metal back-up and Metal-to-Metal Seat Designs. One-piece solid PTFE or RPTFE seat design seals at both high and low pressures.

Integral Disc Stopper

The disc stop is a machined position stop on the body that locates the disc in the seat to achieve maximum seat and seal life. Disc stopper is designed to prevent disc rotating in the wrong direction.

Optional Integral Bracket

Helps to automate a manual valve at anytime on site and fully eliminates misalignment of mounting components.

Stem Bearing

Self-lubricating bearings provide excellent stem support and shaft alignment.
Bonded to the interior of the stainless steel bearing is PTFE impregnated with woven fibreglass.

Top Flange

Integrally cast top flange is in accordance with ISO 5211 and can accommodate direct mounting of wide range of actuators.

Disc

Eccentric disc mounting minimizes seat wear and lowers operating torques with 360 degree sealing.
The disc has been engineered to provide maximum flow and minimum resistance to generate a high flow coefficient.

Clamping Ring (Retainer Ring)

A sturdy clamping ring in the body provides optimum sealing requirements.
Maintenance friendly arrangements helps online repair.

Adjustable stem packing

Using durable and low friction V-type packing, the packing mechanism shall allow adjustment while the valve is pressurized with line fluid.

Anti-Blowout Stem

Valve design incorporates a sturdy anti-blowout stem, to ensure that the stem can not be ejected from the valve as a result of internal pressure.

Electrical Continuity

All valves are equipped with a tamper-proof anti-static device to maintain electrical continuity.

NACE requirement

When required valves can be supplied with materials meeting requirements of specifications NACE MR0175 / ISO 15156 & NACE MR 103 for pressure containing parts.

phbb VALVES

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TAURUS BFV 03/19