

BUTTERFLY VALVES – Double Offset High Performance

Advantages

ISO 5211 Mounting Flange

Universal mounting dimensions simplify valve actuation. Allows for direct mounting of several actuators.

Rocker Packing Gland

Shaped packing gland compensates for uneven adjustment of gland nuts.

Stem Packing

V-ring PTFE or flat graphite provides positive sealing.

Extended Neck

Allows for 2" of pipe insulation.

Body

Robust one-piece casting in WCB carbon steel or CF8M stainless steel. Available in wafer & lug style.

Positive Cast Disc Stop

Prevents seat damage from over-travel of the disc beyond the closed position. (not visible)

Jacking Taps

Allows the use of seat retainer bolts to aid in retainer removal.

Seat Retainer

Reliable multi-bolt retainer holds and supports the seat. Standard valves are suitable for bi-directional dead-end service at the full pressure-temperature rating of the valve. Same material as body material.

Corrosion Protection

Polyamide epoxy primer with high performance polyurethane topcoat is the standard finish for carbon steel valve bodies.

Stem (blowout proof)

17-4 PH stainless steel stem with high strength, and good corrosion resistance. Designed per API 609 standard.

Anti-Extrusion Ring (under stem seals)

Prevents the extrusion of stem seals, maintaining optimum seal.

Bearing (upper)

Full length provides maximum stem support. Made of 316 SS/PTFE

Seat

An advanced free floating, pressure assisted, solid seat design provides an interference and pressure assisted seal. This creates a positive seal under both low and high pressure requirements. The seat does not rely on any secondary components to hold it in place, assuring longer service life with less maintenance.

Tangential Disc Pins

17-4 PH stainless steel disc pins are tangentially positioned, placing them in compression rather than shear. This robust joint design eliminates potential failure of the disc-stem connection.

Disc

Standard material is 316 stainless steel.

Bearing (lower)

Full length provides maximum stem support. Made of 316 SS/PTFE

Thrust Ring

Centers the disc. Ensures tight shutoff and long service life. Made of 316 SS.

End Cap Seal

Made of PTFE or graphite.

