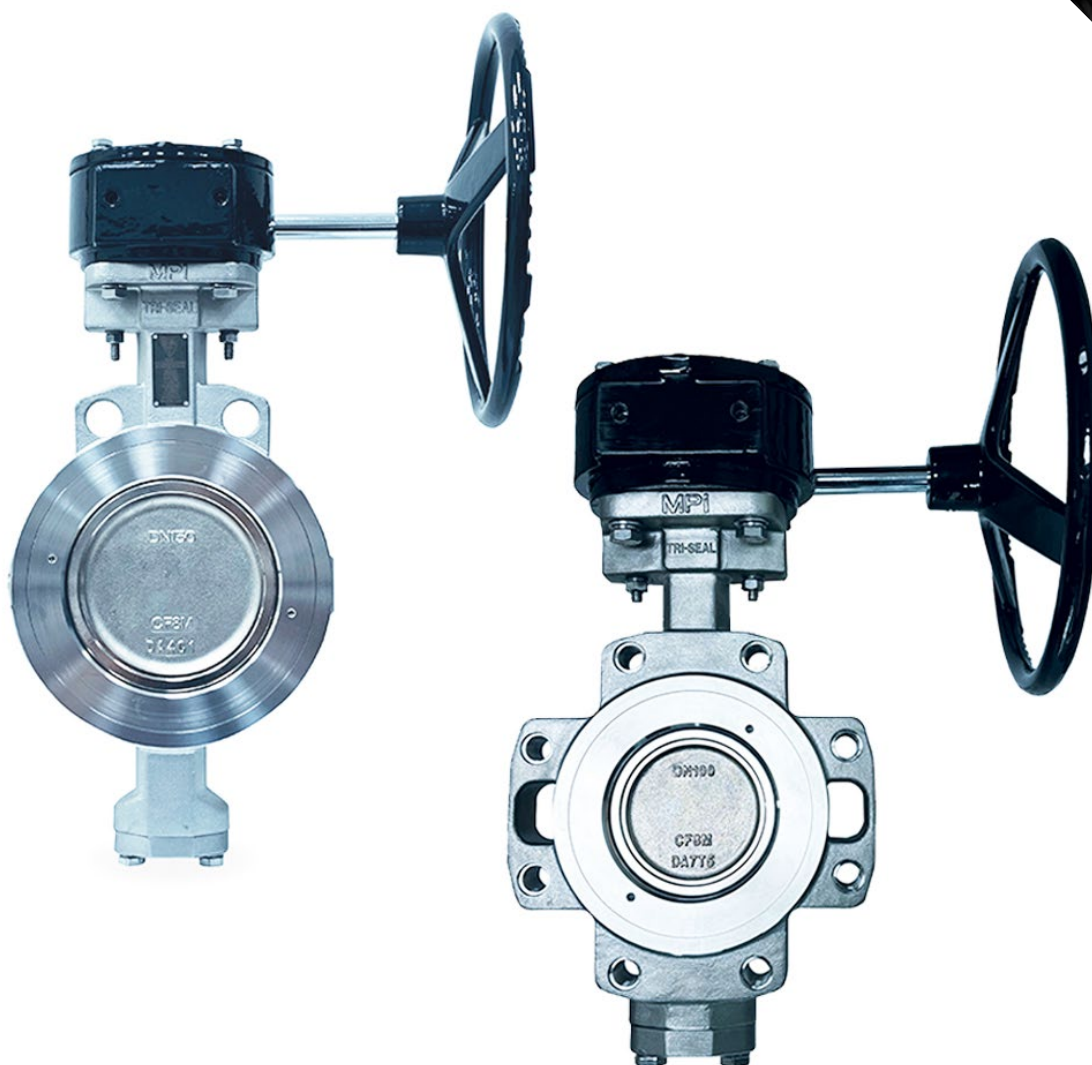


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HIGH PERFORMANCE BUTTERFLY VALVES

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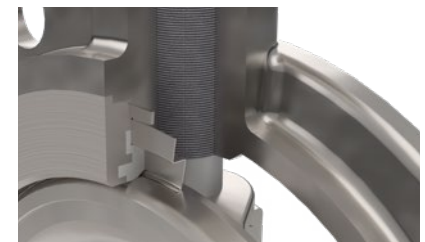
DESIGN FEATURES

- 1. RECESSED GLAND:** Our recessed gland packing eliminates the requirement for mounting kit and reduces overall package height. A rocker design gland flange and packing gland are utilized to ensure even compression of the packing.
- 2. EXTENDED NECK:** Bonnet to flange clearance is a minimum of 2" allowing for piping insulation on all sizes of valves.
- 3. BODY:** High quality one-piece casting provides consistent uniformity. Body is available in Wafer or Lug style. Body materials include carbon steel (WCB) and stainless steel (CF8M).
- 4. INTEGRALLY CAST DISC POSITION STOP:** Machined position stop in the body locates the disc in the seat to achieve maximum sealing and seat life.
- 5. SEAT RETAINER PLATE:** Constructed of the same material as the body, our seat retainer plate assures proper sealing and allows for full rated bi-directional dead end service.
- 6. SHAFT:** Our 17-4PH Stainless Steel shaft provides maximum strength and stability for high pressure applications.
- 7. BONNET:** Allows for direct mounting of all types of actuation. Standard drilling conforms to ISO 5211.
- 8. PACKING:** Multi-layered, V-type PTFE packing allows for even compression against shaft and body, providing a positive seal even under high pressure / high cycle applications.
- 9. BLOWOUT PROOF STEM:** Our shaft retention system is designed per API 609 standards.
- 10. SEATS:** High Performance Butterfly Valves feature an innovative free-floating, pressure-assisted, solid seat design that ensures a positive seal under both low and high pressure requirements. Unlike traditional valves, our seat does not rely on secondary components like O-rings or springs, resulting in a longer service life with minimal maintenance.

The optional fire-safe seat ensures reliable sealing and safety in tough conditions, with a durable backup ring that seals post-fire, meeting API 607 standards. It offers low torque, great flow control, and resists corrosion and heat, making it ideal for multiple applications.
- 11. DISC TAPER PINS:** Pins are offset from the center of the stem which places them in compression and gives them a yield point greater than the stem itself.
- 12. DISC:** Standard construction is 316 stainless steel. Designed to have minimum deflection and movement under pressure, which reduces torque and improves cycle life. Double offset discs produce a camming motion, allowing it to release from the seat within the first few degrees of opening and reducing wear.
- 13. BEARINGS:** Woven fabric steel backed bearings provide excellent load-bearing capabilities, are self lubricating to provide improved wear life, and are tolerant to harsh high pressure applications.



Standard Seat



Optional Fire-Safe Seat