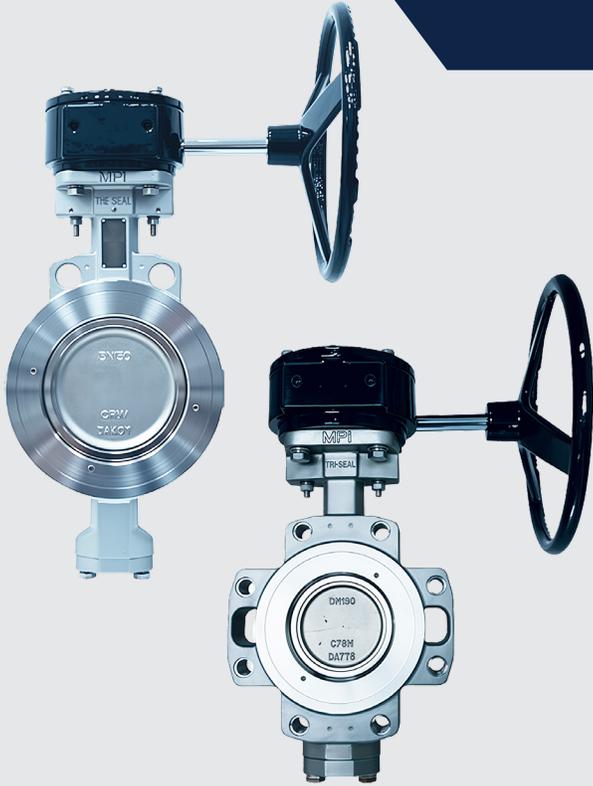


HIGH PERFORMANCE BUTTERFLY VALVES



- API 609 CATEGORY B
- NSF 61/372
- API 607 FIRE SAFE
- API 598 SEAT LEAKAGE

MARKETS



WATER/
WASTEWATER



INDUSTRIAL

SPECIFICATIONS

Size Range	2"-36"
Materials	WCB or CF8M body, CF8M disc, T630SS shaft
Pressure Rating	ASME B16.5 Class 150 (285psi (WCB), 275psi (CF8M))
Temperature Rating	-20°F-400°F
Body Style	Lugged, wafer
Actuator Type	Lever, worm gear, electric motor, pneumatic, hydraulic
Standards	API 609 Category B, NSF 61/372, API 607 Fire Safe, API 598 Seat Leakage
Install Orientation	Horizontal or vertical
Service	On-off/control service



ENGINEERING 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.

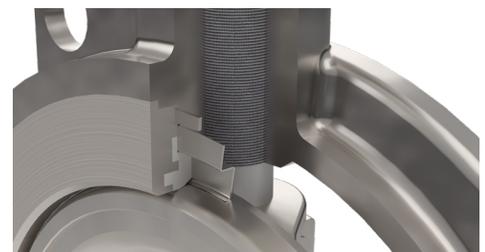
11. DISC TAPER PINS: Pins are offset from the center of the stem which places them in compression and gives them a yield point greater than the stem itself.

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

