



#### Standard Compliance:

ASME B16.34

Valves - Flanged, Threaded and Welding End

ASME B16.5

Pipe Flanges and Flanged Fittings

ASME B16.10

Face to Face and End to End Dimensions of Valves

ANSI/FCI 70-2 Control Valve Seat Leakage

MSS SP-25 Standard Marking System for Valves

MSS SP-44 Steel Pipe Line Flanges

MSS SP-55 Quality Standards for Steel Castings

MSS SP-61 Pressure Testing of Steel Valves

MSS SP-68 High Pressure Butterfly Valves with Offset Design

API 598 Valve Inspection and Testing

API 607 Fire Test for Soft Seated Valves

API 609 Butterfly Valves: Double Flanged, Lug and Wafer Type

NSF/ANSI 61 (2"-24", Stainless 215 & 230)

Drinking Water System Components - Health Effects

NSF/ANSI 372 (2"-24", Stainless 215 & 230)

Drinking Water System Components - Lead Content

CE marked and documented valves that conform to the European Pressure Equipment Directive (PED) 97/23/EC are available in ASME Class 150/300/600, both standard and fire safe configurations.

CRN No. OC17459.5CL

\* Soft and fire safe seat configurations available.

\* Shown with lever. Also available with actuators and with manual gear operators.

**PRODUCT SIZE RANGE:** CLASS 150: 2"-36" (INCL. 2.5" & 5") | CLASS 300: 2"-24" (INCL. 2.5" & 5") | CLASS 600: 3"-12"

## DOUBLE OFFSET HIGH PERFORMANCE BUTTERFLY VALVE

Series 215 | 230 | 260

# ADVANTAGES OF APOLLO'S DOUBLE OFFSET HIGH PERFORMANCE BUTTERFLY VALVE

## 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.



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