



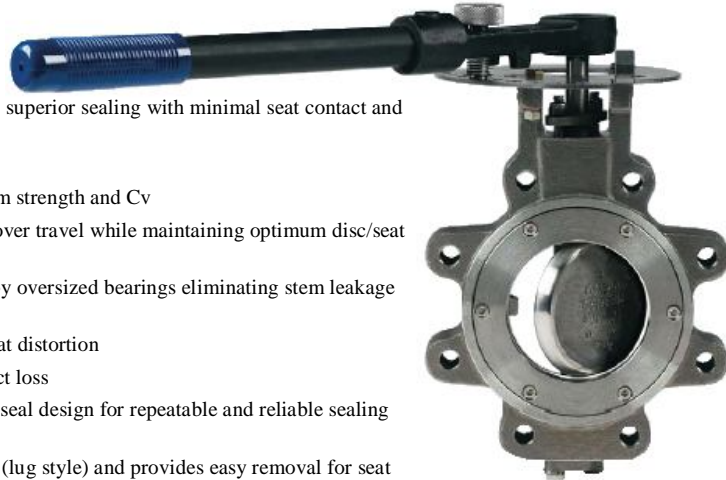
High Performance Butterfly Valve Specifications

Sizes 2 1/2" through 12" Class 150

Sizes 2 1/2" through 16" Class 300

Features and Benefits

- Double offset seat/disc/stem geometry to provide superior sealing with minimal seat contact and wear
- Machined, tapered seat multiple sealing edges
- Single piece shaft and disc designed for maximum strength and Cv
- Internally cast disc position stop to prevent disc over travel while maintaining optimum disc/seat contact
- Stem is centered in the adjustable stem packing by oversized bearings eliminating stem leakage and fugitive emissions
- Disc spacers to center disc in seat to eliminate seat distortion
- Blow out proof stem to prevent injury and product loss
- Combination mechanical and pressure energized seal design for repeatable and reliable sealing performance and extended cycle life
- Seat retaining ring designed for dead end service (lug style) and provides easy removal for seat replacement
- Stem/disc connection allows minimal loss motion and high strength



Product Range

Size/ASME Class: 2 1/2" through 24" Class 150, 2 1/2" through 16" Class 300

Body Configuration: Wafer and Lug

Operators Available

10 Position Lever Handle, Gear Operators, Pneumatic and Electric Actuators

Material of Standard Construction

Body Carbon Steel or 316 Stainless Steel

Disc 316 Stainless Steel

Stem 17-4 PH Stainless Steel

Bearing Stainless backed RTFE

Seat RTFE/Stainless Garter Spring

Specifications

Valve Sizes 2 1/2" through 24"

Flanged End Connections per ANSI B16.5.

Valve Face to face dimension per MSS-SP-68.

Valve bodies are cast high quality steel with standard availability in ASTM-A-216 WCB CS and ASTM A-351 CF8M SS. Body wall thickness meets ASME/ANSI B16.34 and complies with quality standard for steel casting MSS-SP-55.

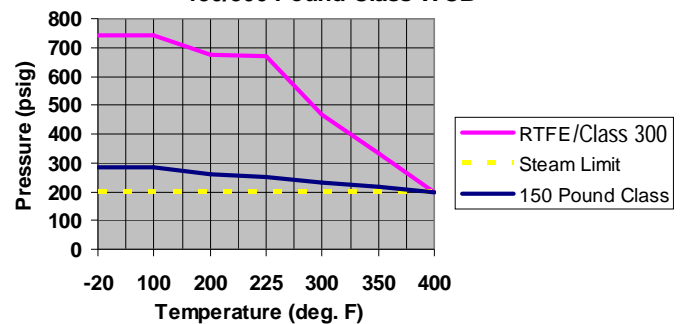
High performance valve design meets the requirements of MSS-SP-68 for double offset design.

Valve pressure tests meet MSS-SP-61, API 598 and ANSI B 16.104 valve inspection and testing.

Tagging meets the requirements of MSS-SP-25.

For NACE applications consult factory.

**HPBV Pressure/Temperature Chart
150/300 Pound Class WCB**



* Valve is rated @ 150 PSI steam for on & off application and 50 PSI modulating service.

Pressure Ratings—Rated for Double Dead End Service (Cold Working Pressure)

2 1/2" through 24" 2 1/2" through 16"

	Class 150	Class 300
Carbon Steel	285 PSI	740 PSI
Stainless Steel	275 PSI	720 PSI