Guide to Manual and Automated Butterfly Valves
Selection Guide for Butterfly Valves

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Resilient Seated Butterfly Valves

Performance Series

Built for Heavy Duty Applications
- Ductile Iron Body
- Disc: Nylon Coated
- 316SS or Bronze Disc
- Seat: EPDM / Buna / Viton
- ISO 5211 Top Flange

Size Range: 2"–24"
Pressure: 200 WOG

ISO Series

This series is in full compliance with ISO 5211
Low Torque - Direct Mount
Automation Design
- Ductile Iron Body / 316 SS Disc
- Die Cast Aluminum Handle
- Seat: EPDM / Viton / Buna / PTFE / Specials

Size Range: 1½"–24"
Pressure: 200 WOG

Chem-Tek Series

Designed for Corrosive Environments
- 316 Stainless Steel Standard
- Body Special Duplex / Alloy 20
- Seat: EPDM / Buna / PTFE / Viton
- ISO 5211 Direct Mount
- 4 Drilled & Tapped Lugs, Ideal for Precise Alignment

Size Range: 2"–12"
Pressure: 150 WOG

Chem-Flo Series

Built for Highly Corrosive Media
- Ductile Iron Body
- Optional Stainless Steel Body
- Wafer and Lug Available
- Disc: 316SS or 316SS / PTFE Lined
- Seat: PTFE
- 2-Piece Body Design
- ISO 5211 / Direct Mount

Size Range: 2"–24"
Pressure: 175 WOG
High Performance Butterfly Valves

**HP Series**

**Fire Safe - Fire Pro Series**

**Wafer and Lug Type**

**Built to ANSI & API standards**

**Eccentric Double Offset Design**

Both Types
- ANSI Class 150 / Class 300
- Standard Material SS316
- Or Carbon Steel WCB
- Special Duplex SS / Alloy 20
- 17 - 4PH Shaft
- Adjustable Stem Packing
- with Gear or Actuator Mounted
- Optional Valve Seats Available
- ISO 5211 Top Flange

Size Range: 2"–48"
Pressure Classes: 150 / 300

**Hi-Tek Series**

**Triple Offset Butterfly Valves**

**Hi-Tek Series**

**Triple Offset Butterfly Valves are designed for extreme temperatures, extreme pressures, and your toughest application challenges.**

Triple Offset Butterfly Valves feature standard metal seats, robust laminated disc seats, and unique graphite stem bearing seals for long service life.

**Design Features**
- Full Flanged End
- Wafer Type
- Lug Type
- Butt Weld
- Metal Seats
- Class VI Shut-Off

Size Range: 3"–48"
Pressure Classes: 150/300/600/900
Automated Butterfly Valves

Performance 250 Series

Ideal design for high pressure dead end service

The Performance 250 Series is designed to fill the gap between the resilient seated valves and the high performance ANSI 150 valves. Most iron body BFV are derated above 12". Changing from an iron body to a carbon steel HP valve can often cost up to five times the price of the iron body valve.

Disc / Shaft Connection

Low-Cost, Heavy-Duty Ductile Iron Body

A higher strength 17 - 4PH, ISO square drive ensures a positive shaft to disk connection.
No pins or bolts are exposed to flow. Shaft retainers mechanically retain the shaft in the body, ensuring a blowout-proof design.
Retaining step machined in valve body prevents a possible seat blowout under extreme pressures.
All valves are 110% factory tested to guarantee tight shut-off at full rated pressure.
Uni-directional flow for high pressure side
2"–12" 250 psi
14"–24" 200 psi

Extended Range Series

Butterfly valves—designed to perform in the most difficult applications.

Valves are manufactured and certified to AWWA, API, 6D, CE, ISO 9001, ANSI, and NACE standards.

ABS Certificate Number: 12-HS918322-PDA
Pressure: 150–1500 ANSI Class
Size Range: 3"–120"

Custom designed valves to meet your requirements.