



# Guide to Manual and Automated Butterfly Valves



Semi-Lug Type



Lug Type



Wafer Type

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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/ PTFE
- ISO 5211 Top Flange

Size Range: 2"-12"  
Pressure: 225 WOG

Size Range: 14"-24"  
Pressure: 200 WOG



51 Model - Wafer Type



52 Model - Lug Type

## ISO Series

**This series is in full compliance with ISO 5211**

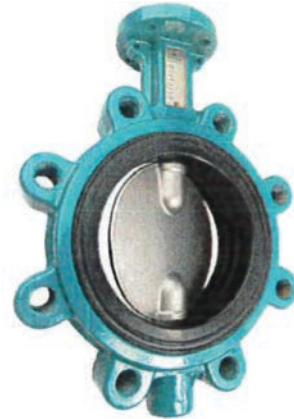
**Low Torque - Direct Mount Automation Design**

- Ductile Iron Body / 316 SS Disc
- Die Cast Aluminum Handle
- Seat - EPDM / Viton / Buna / PTFE / Specials

Size Range: 1½"-48"  
Pressure: 200 WOG



51-I Model - Wafer Type



52-I Model - Lug Type

## 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



53 Model - Semi-Lug



53 Model - Semi-Lug

## 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 / EPDM / Buna / Viton
- 2-Piece Body Design
- ISO 5211 / Direct Mount

Size Range: 2"-24"  
Pressure: 175 WOG



25 Model - Wafer Type



26 Model - Lug Type

# High Performance Butterfly Valves

## HP Series

Fire Safe - Fire Pro Series Design

**Wafer and Lug Type**  
**Built to ANSI & API standards**  
**Eccentric Double Offset Design**

**Both Types**  
**ANSI Class 150 / Class 300**  
**Standard Material SS316**  
**OR CS-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**  
**Fire Safe / Metal Seat**

**Size Range: 2"-48"**

**Pressure Classes: 150 / 300**

**Wafer Type**  
**Class 150: Model BW631**  
**Class 300: Model BW731**

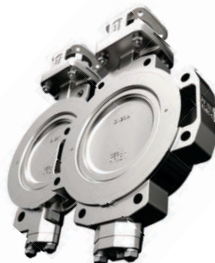
**Lug Type**  
**Class 150: Model BL631**  
**Class 300: Model BL731**



**BW 631**  
**Wafer Type**  
**Class 150**



**BL 731**  
**Lug Type**  
**Class 300**



**Double Offset with**  
**EZ Vane Actuator**



**Double Offsets**

## Hi-Tek Series

### Triple Offset Butterfly Valves Flex-Seal Series

Triple Offsets

*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**

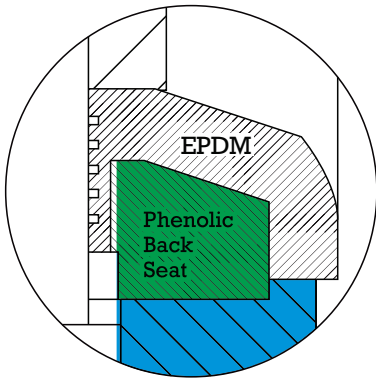
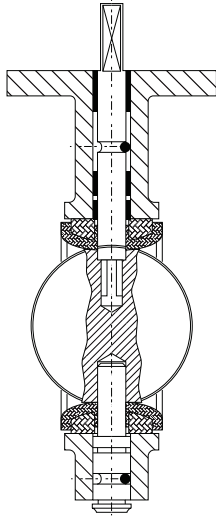
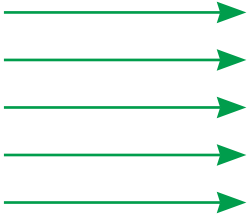




# Automated Butterfly Valves

*Designed for Higher Performance*

High Pressure Side



## 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"**

## New Products



Size Range:  
2" - 12"  
C/F for larger sizes



Proud Hayward Distributor



84" Butterfly Valve

## 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" 225 psi

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