



## MAX SEAL - EXTENDED RANGE SERIES

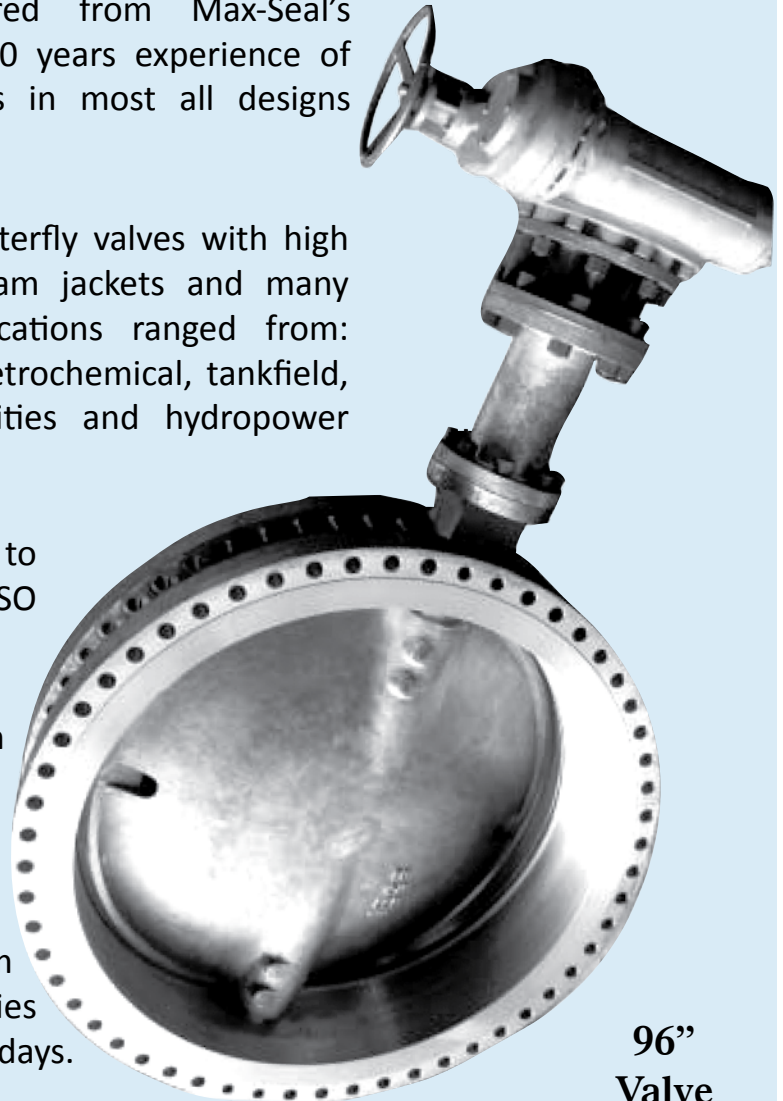
### Butterfly Valves Designed to Perform in the Most Difficult Applications

Our extended range series is offered from Max-Seal's manufacturing partner which has over 20 years experience of providing severe service butterfly valves in most all designs up to 120 inch.

We provide double and tripple offset butterfly valves with high temperature metal seats, cryogenic, steam jackets and many other special designs. Installed applications ranged from: Water, sea water, petroleum, chemical, petrochemical, tankfield, nitrogen & fluorine manufacturing, utilities and hydropower stations.

Valves are manufactured and certified to American Petroleum Institute 6D, CE, ISO 9001, ANSI and NACE Standards

Valves shown in this brochure are custom designed to meet application requirements. Major project orders will undergo additional inspection and testing by Max-Seal Quality Control Personnel. Due to the special nature and custom manufacturing of these valves, deliveries may extend up to 90 to 120 days.



96"  
Valve

All valves are provided with an extended 18 month warranty as standard.

**Max-Seal's focus is Safety - Performance - Value.**

As a part of the Flo-Tite Group, Max-Seal High Performance Butterfly Valves are backed by the resources and experience of over thirty five years of process valve and automation experience.

## HIGH-PERFORMANCE BUTTERFLY VALVE

### Specifications

End Connection	Flanged, Wafer and Lug
Size	1 1/2" ~ 24"
Working Temperature	-20 ~ 302 °F
Pressure Class	ANSI Class 150, 300, 600, 900
Medium	Oil, Gas, Water, Steam, Corrosive fluid, etc.
Valve Body	Carbon Steel, Stainless Steel & Specials
Valve Disc	Carbon Steel, Stainless Steel & Specials
Valve Stem	Stainless Steel & Specials
Valve Seat	Fluorine plastics, Synthetic rubber, Stainless Steel

### Characteristics:

1. Double offset construction
2. Bidirectional seal
3. Can be used in many industrial applications.
4. Available in Class IV and Class V shut off

### Models:

Wafer	BW150	BW300	BW600	BW900
Lug	BL150	BL300	BL600	BL900
Flanged	BF150	BF300	BF600	BF900

### Application:

Suitable for Petrochemical, Natural gas, Oil refining, Power plant, Iron & Steel, Chemical Industry, Papermaking, Pharmacy, Pulp & Paper.

## METAL TO METAL SEAL BUTTERFLY VALVE

### Specifications

End Connection	Flanged, Welding, Wafer, Lug wafer type
Size	2" ~ 120"
Working Temperature	-20 ~ 797 °F
Pressure Class	ANSI Class 150, 300, 600, 900, 1500
Medium	Water, Steam, Oil, Sea Water, Acid Medium, etc.
Valve Body	Carbon Steel, Stainless Steel, Nodular Cast Iron, High Temperature Alloy Steel & Specials
Valve Disc	Carbon Steel, Stainless Steel, Nodular Cast Iron
Valve Stem	Stainless Steel, Chrome-Nickel-Molybdenum-Titanium & Specials
Valve Seat	Stellite, Stainless Steel, Alloy Steels & Specials

### Characteristics:

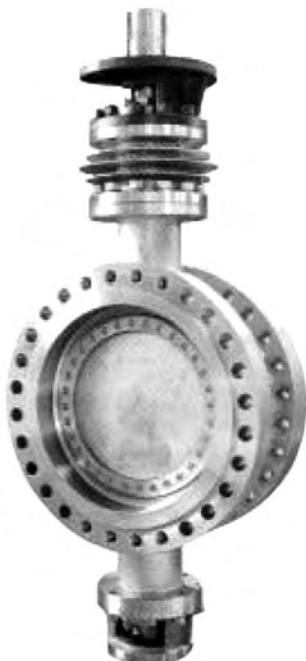
1. Self-adjusts hermetically-sealed. Two hundred thousand cycle life tests with zero leakage.
2. Special hermetically-sealed construction has no stress deformation when valve is under both high and low temperature and can maintain zero-leakage.
3. Triple offset metal hermetically-sealed construction.
4. Axial aligning guide solves the problems of up-and-down sealed surfaces when destroyed, broken and leaked by fleeing movement of axial butterfly plate and the valve driving actuator can be installed in any direction (when through the butterfly valve more than 20in, horizontal is the preferred position).
5. Available in Class V & VI shut off.

### Application:

Suitable for Petrochemical, Hydropower station, Metallurgy and most severe applications.



Max-Seal works with customers to design valves tailored to their specific needs. Knowledge of applications, materials & design allows our engineers to find solutions to problems quickly and effectively.



## LARGE SIZED RUBBER SEALED BUTTERFLY VALVE

### Specifications



End Connection	Flanged, Wafer, Lug
Size	4" ~ 64"
Working Temperature	32 ~ 248 °F
Pressure Class	ANSI Class 125, 150
Medium	Water, Steam, Oil, Sea Water, Acid Medium, etc.
Valve Body	Grey Cast Iron, Ductile Iron, Stainless Steel & Cast Steel
Valve Disc	Coated Grey Cast Iron, Ductile Iron, Stainless Steel, Cast Steel, Duplex
Valve Stem	Stainless Steel & Specials
Valve Seat	Rubber, Buna, EPDM, Specials

### Characteristics:

1. Rubber seated concentric butterfly valves are designed for easy and compact installation.
2. Valve disc utilizes streamlined design that provides low resistance coefficient when in the fully open position (high flow disc design).
3. Valve provides full bi-directional sealing. Full bubble tight sealing is achieved. Gas sealing test reaching zero leakage. Open and close cycles can reach 100000.

### Application:

This type of butterfly valve is widely used in applications such as petroleum, chemical, power, municipal and other industries for both on-off and throttling applications.

Max-Seal's engineered valves incorporate the most innovative designs on today's market. Proven in the field, they provide uninterrupted service with the highest shutoff for longer periods of time in service.

## LOW-TEMPERATURE & CRYOGENIC BUTTERFLY VALVE

### Specifications



End Connection	Flanged, Butt-Welding, Wafer
Size	2" ~ 48"
Working Temperature	low temperature to -320 °F
Pressure Class	ANSI Class 150, 300, 600, 900, 1500
Medium	Gases, Hydrogen, Oxygen, Nitrogen, etc.
Valve Body	Stainless Steel & Specials
Valve Disc	Stainless Steel & Specials
Valve Stem	Alloy Steel, Stainless Steel & Specials
Valve Seat	Stellite Alloy

### Characteristics:

1. Triple offset seating design.
2. Excellent Seating over a wide range of temperatures.
3. API Fire Safe Design.

### Application:

Suitable for Petrochemical, Tank field, Nitrogen-making, Fluorine-making, etc.

## VACUUM BUTTERFLY VALVE

### Specifications

End Connection	Flange, Wafer, Lug, BW
Size	28" ~ 120"
Working Temperature	32 ~ 302 °F
Pressure Class	Class150
Medium	Steam, Air
Valve Body	Carbon Steel & Specials
Valve Disc	Carbon Steel & Specials
Valve Stem	Stainless Steel & Specials
Valve Seat	Rubber, Stainless Steel

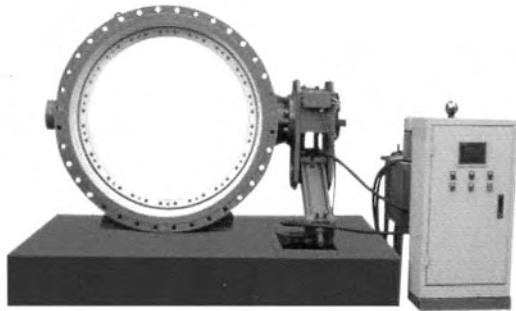


### Application:

This type of butterfly valve is widely used in the field of electric power and other industries, ideal for steam, air or vacuum service.

### Characteristics:

1. This product is designed with the characteristics of excellent sealing for high cycle application.
2. The sealing rings are made of a special rubber which is resistant to high-temperatures and resists aging, thus prolong valve's usage life.
3. The valve utilizes T-shape cross-sectional sealing rings which are suitable for steam service conditions.
4. Sealing ring is fixed on the disc, allowing for seat replacement without disassembly of the installed valve.

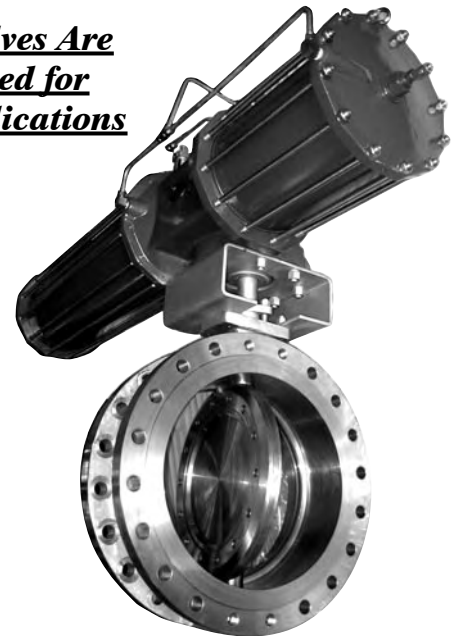


HYDRAULIC CONTROL SLOW-CLOSURE  
CHECK BUTTERFLY VALVE

Products offered in this catalogue are special in design and manufactured per specific customer applications, changes in the order, or modifications of any kind must be made in writing and accepted in writing by Max-Seal, Inc. Please note, any changes or modifications may affect final costs and original delivery estimates.

## AUTOMATED BUTTERFLY VALVE

**Max-Seal Valves Are  
Ideally Suited for  
Actuated Applications**



Max-Seal, Inc. Offers a broad line of automation systems for precise proportioning or on-off control in either pneumatic or electrically powered units.



Max-Seal, Inc.  
305 East 21st Street  
Lumberton, NC 28358

P.O. Box 1293  
Lumberton, NC 28359  
Website: [www.maxsealinc.com](http://www.maxsealinc.com)

Tel: (910) 738-8904  
Fax: (910) 738-9112  
E-Mail: [flotite@nc.rr.com](mailto:flotite@nc.rr.com)