



**Design Features:**

AWWA butterfly valves meet the requirements of AWWA C504 standards. They are used for shut off of clean and dirty water and gases. Offset disc design, corrosion-resistant shaft, stainless steel disc edge, and self-compensating shaft seals are features on all AWWA butterfly valves. Molded-in body seat with disc locators provides positive sealing and longer seat life on sizes 3 - 20" (80 - 500mm). Large AWWA butterfly valves, 24" and larger (600mm and larger) feature adjustable, replaceable seat, non-hollow disc structure and rubber seat retained within a dovetail groove in the valve body and locked in place by an epoxy wedge.



#### Main Features

- Corrosion and abrasion resistant, only the seat and disc are in contact with the fluid.
- Self - cleaning and two - way (therefore the valve can be mounted in both directions of flow).
- Maximum ease of assembly and maintenance: no additional seals are required for mounting between the flanges, nor lubrication.
- Adaptable to any type of pneumatic or electric actuator
- Protection of valve outer parts against corrosion (epoxy or polyurethane paint)
- Tight shut-off with pressure drop up to 21.5 bar
- Disc self-centering inside the seat thanks to the floating coupling between stem-disc
- Seat with phenolic resin or aluminum reinforcement to ensure geometric and dimensional stability
- Stem-disc coupling without use of fastening elements (screw, bolts, etc.) which could be sources of corrosion and failures
- Very compact size and light weight.
- Disc of special design in order to ensure ample full flow, low pressure drops, and minimum turbulence
- Favorable cost.
- Good adjustment characteristic.



#### **Key feature and benefits**

Light weight

Good wear resistance

Compact structure

Low flow resistance

Small operation torque

Easy to install and maintain

Actuation

Manual, Pneumatic, Electric & Worm Wheel

Available END: FLG-RF, WAFER, WAFER WITH LUG

Available SEAT: SOFT



### **Description**

Cast Steel Butterfly Valve is unique valve structure, operation flexible, labor-saving and convenient. Widely used in Chemical/Petrochemical Processing, Food & Beverage, Power & Utilities, Pulp & Paper etc.

Key feature and benefits

Light weight

Good wear resistance

Compact structure

Low flow resistance

Small operation torque

Easy to install and maintain

Size: 2" to 80"

Actuation

Electric & Worm Wheel

Available END: FLG-RF, WAFER, WAFER WITH LUG

Available SEAT: SOFT



### **Description**

Double eccentricity butterfly valves adopt different material, different seal ring, suitable for different medium. Widely used in Chemical/Petrochemical Processing, Food & Beverage, Power & Utilities, Pulp & Paper etc.

Key feature and benefits

Light weight

Good wear resistance

Compact structure

Low flow resistance

Small operation torque

Easy to install and maintain



### **Description**

Flanged butterfly valves adopt different material, different seal ring, suitable for different medium. Widely used in Chemical/Petrochemical Processing, Food & Beverage, Power & Utilities, Pulp & Paper etc.

Key feature and benefits

Light weight

Good wear resistance

Compact structure

Low flow resistance

Small operation torque

Easy to install and maintain

Actuation

Worm Wheel & Electric



### Features

Grooved Mechanical Type

Easy to install and service, low cost

Widely used in firefighting, building, metallurgy and etc.

Gear Operated As Standard



High Performance valves have an equal valve characteristic, and can be used as Control or On/Off valves with Shut Off.

**Size Range**

2" to 80"- 50mm to 2000mm

(Larger sizes can be designed to order)

**End Connections**

Wafer

Lugged

Double Flanged

Butt Weld

**Actuation**

Manual, Pneumatic, Electric & Hydraulic





#### Description

The butterfly valve is operated by the disc rotating from 0° to 90°, can be applied to cut off or regulate the flow of medium. The valve can be actuated by operating lever, handle wheel electric actuator or pneumatic actuator. Widely used for potable water supply and distribution, waste water treatment, electric power plant, gas supply, warm-air system, smelting plant, ship building, textile, petroleum, chemistry, or other light industries. Features: Low weight; Compact structure; Low flow resistance; Small operation torque, Easy to install and maintain; Flow pattern tend to be straight



### Description

Metal seated butterfly valves are perfect for cryogenic or high temperature service. They resist wear and are suitable for aggressive media. Valves are available in sizes 50 to 2000mm (2" to 80") in nominal pressure PN6 to 25. Valves are suitable for a wide range of applications in most industries and offer exceptional value and performance. The compact size and shape combines light weight with the durability of a metal seal and seat. The triple eccentric design eliminates rubbing and wear with bi directional zero leakage. Metal seated butterfly valve is available in standard and exotic materials for the most difficult applications.



### Description

PTFE Seated Butterfly Valves are widely used in metallurgy, electric power, petrochemical, as well as to the drainage and municipal construction and other industrial pipe for regulating the flow and set the use of drying body. The triple eccentric valve structure, valve seat and disc sealing surface plate are stainless steel and seal ring is PTFE, with good corrosion resistance, long lifespan. Products in line with national GB/T13927-92 valve pressure test standard.

### Key features

1. The valve sealing three-eccentric structure, the valve seat and the butterfly board almost no wear and tear, with more tightening of the sealing concept features.
2. The use of large-sized butterflies hangs board structure, high strength, large over-current, small flow resistance.
3. The valve seal has a two-way function, from the installation media restrictions on the flow, but also from the effects of spatial location can be installed in any direction.
4. Can drive multi-bit (rotation 90 ° or 180 °) to install, user-friendly.



### **Brief Description**

Resilient seated butterfly valves provide you with the reliability you need, backed by the assurance that comes with using valves designs and produced by company-owned manufacturing facilities.

Key feature and benefits

Low weight

Compact structure

Low flow resistance

Small operation torque

Easy to install and maintain

Flow pattern tend to be straight

Widely used in Chemical/Petrochemical Processing, Food & Beverage, Power & Utilities, Pulp & Paper etc.



### Description

Butterfly Valves adopt Triple eccentric design with metal seat and resilient seat.

1st offset: center line of the resilient disc seal is offset from the center line of the shafts

2nd offset: the center line of the shaft is offset from the valve body

3rd offset: the body seat landing surface has the shape of an oblique cone with the ground surface perpendicular to one side of the cone.

Suitable for manual, gear, electric, hydraulic and pneumatic actuation

Widely used in Petrochemical, Power Plant, and Construction industries



### Description

Wafer butterfly valves adopt different material, different seal ring, suitable for different medium. Widely used in Chemical/Petrochemical Processing, Food & Beverage, Power & Utilities, Pulp & Paper etc.

Key feature and benefits

Light weight

Good wear resistance

Compact structure

Low flow resistance

Small operation torque

Easy to install and maintain

Actuation: Manual, Pneumatic, Electric & Worm Wheel