



AWWA C504 Rubber Seated Butterfly Valve

AWWA C504 Butterfly Valve, rubber seated, Fusion bonded epoxy coated, or hard rubber lined, is typically used in the water industry, municipal engineering, water conservancy project, drinking water engineering, sea water treatment and desalination.

Design standard: AWWA C504

Face to face length : AWWA C504, flanged in short type

Flange dimension and drill : ASME B16.1(above 72" acc.to AWWA C207)

Size: 6" - 120"

Pressure rating: class 75B, class 150B, class 250B

Applications: water, drinking water, sea water and weak corrosive fluid etc.



Overview:

► 1. Sealing system:

L profiled resilient seal ring is fixed on the disc by a retainer ring and bolts, and ensures reliable 0 leakage sealing performance in double direction. Besides, this seal ring can be easily adjusted or replaced on site without disassembling the disc and shaft, and don't need any special tools at all.

► 2. Body seat:

Stainless steel weld and finished body seat ensures long service life.

► 3. Disc:

Streamlined disc design verified by finite element analysis ensures the higher strength and the lower flow resistance

► 4. Shaft:

We provide a dry working condition for shaft to keep the corrosion away from the service medium.

The key design points as below:

- a. The shaft is unexposed;



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b. Double seal rings on the shaft bearings to prevent the medium entering the shaft

▶ **5. Shaft connection:**

Disc and shaft are connected by key or taper pin connection.

▶ **6. Bearing system:**

Self-lubricating bearing reduce shaft friction and operating torque; these bearings keep the disc in centre and prevent axial movements.

▶ **7. Shaft packing:**

For the shaft packing, we could supply with PTFE braided packing. That will make the adjustment and replacement online easier and safer without disassemble the actuator.

▶ **8. Top flange:**

Valve is equipped with ISO 5210 top flange for all types of actuator connection