

BUTTERFLY VALVE

# High-performance Butterfly Valve

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## SPECIFICATIONS

Size	NPS 2" / DN50–NPS 48" / DN4000
Pressure	PN10 / 150LB–PN50 / 300LB
End connection	wafer/clamp / flanged (ANSI B16.1 / BS 4504 / DIN 2501) / lug
Face-to-face	API 609, MSS SP-67, DIN 3202, BS EN 558-1
Temperature	-196°C to 300°C
Media	petroleum, petrochemical, natural gas, electric power, water

## ACTUATION

- pneumatic — ISO 5211
- electric — ISO 5211
- gas-liquid linkage — ISO 5211

## STANDARDS

Design	API 609, MSS SP-67
Test	API 598

## APPLICATIONS

- Petroleum
- Petrochemical
- Natural gas
- Electric power
- Water conservancy



**MATERIALS**

body	<b>Carbon Steel, Stainless Steel</b>	disc	<b>Stainless Steel</b>
retainer	<b>Stainless Steel</b>	seat	<b>PTFE, Reinforced PTFE</b>
bushing	<b>PTFE / Stainless Steel composite</b>	stem	<b>Stainless Steel, Precipitation Hardening Stainless Steel</b>
pin	<b>Stainless Steel</b>	seal	<b>PTFE</b>
gland packing	<b>PTFE, Reinforced PTFE</b>		

**FEATURES**

- Double eccentric structure design
- Lip sealing structure achieves two-way bubble-level zero leakage under elastic interference and self-sealing
- Interchangeable PTFE seats compatible with a variety of working conditions
- Anti-blowout stem design
- Low-leakage carbon fibre bowl-type combined packing structure available for fugitive emission service, meeting ISO 15848 and API 622
- Tangential stem pin is half in the disc and half in the stem; tangential positioning transfers squeeze force rather than shear stress to the connection
- ISO 5211 top flange for mounting pneumatic, electric, and gas-liquid linkage actuators
- Double-flanged butterfly valve with worm gear (handwheel) actuator
- Visible disc with metallic seat ring retained by bolts around disc periphery
- Blue epoxy-coated ductile iron body construction apparent
- Flanged end connections with visible bolt holes on both flanges