

BUTTERFLY VALVE

Triple Eccentric Butterfly Valve

REF **EFC-474** ISSUED 07 Jul 2026

SPECIFICATIONS

Size	DN50 to DN1600
Pressure	Class 150 / PN10 to Class 1500 / PN250
End connection	flanged (double flange) (ASME B16.5 / ASME B16.47 / EN 1092 / GOST 33259 / GB/T 9124) / lug / butt weld (ASME B16.25 / EN 12627) / socket
Face-to-face	API 609, ISO 5752, EN 558
Temperature	-46°C to 538°C
Media	water, steam, oil, gas, corrosive media

ACTUATION

- manual
- pneumatic
- electric

STANDARDS

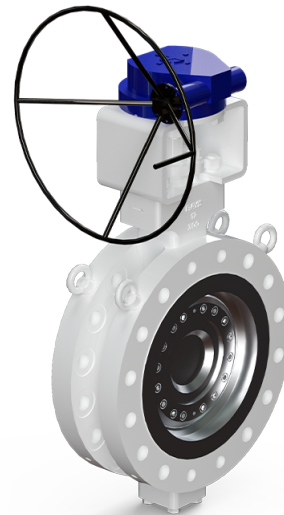
Design	ASME B16.34, API 609, EN 593
Test	API 598, ISO 5208, EN 12266-1, GOST 9544

COATINGS & LINING

- Seat sealing surface coated with temperature and corrosion-resistant material

APPLICATIONS

- Water supply and drainage pipelines
- Gas pipelines
- Food industry
- Pharmaceutical industry
- Chemical industry
- Petroleum industry



Install, operate and maintain in accordance with the manufacturer's manual supplied with the product.

- Electric power industry
- Light textile industry
- Paper making industry

MATERIALS

Body	Carbon Steel, Stainless Steel, Alloy Steel	Seat sealing surface	Temperature and corrosion-resistant coating
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FEATURES

- Triple eccentric structural design: shaft axis offset from disc centre and body centre; seat rotation axis angled to body channel axis
- Metal-to-metal hard sealing via conical sealing surfaces (external inclined conical disc periphery mating internal inclined conical seat), forming elliptical contact
- Pressure-energised sealing: sealing force increases as differential pressure increases
- Disc detaches from seat during opening, eliminating sliding contact friction and reducing operating torque
- Integral body and seat construction
- Multi-layer sealing rings on valve plate for enhanced sealing performance
- Suitable for high-temperature and high-pressure service
- Flow regulation capability: flow area increases progressively with disc rotation
- Zero-leakage sealing performance
- Compact and lightweight construction
- Size range NPS 2" - 64" (DN 50-1600)
- Pressure rating Class 150-1500 / PN 10-250
- Operating temperature range -46 °C to 538 °C

OPTIONS & NOTES

- Operator options listed as 'Manual, Pneumatic, Electric, etc...' — further options available on request
- Connection forms listed include 'socket type, etc.' — additional connection forms may be available