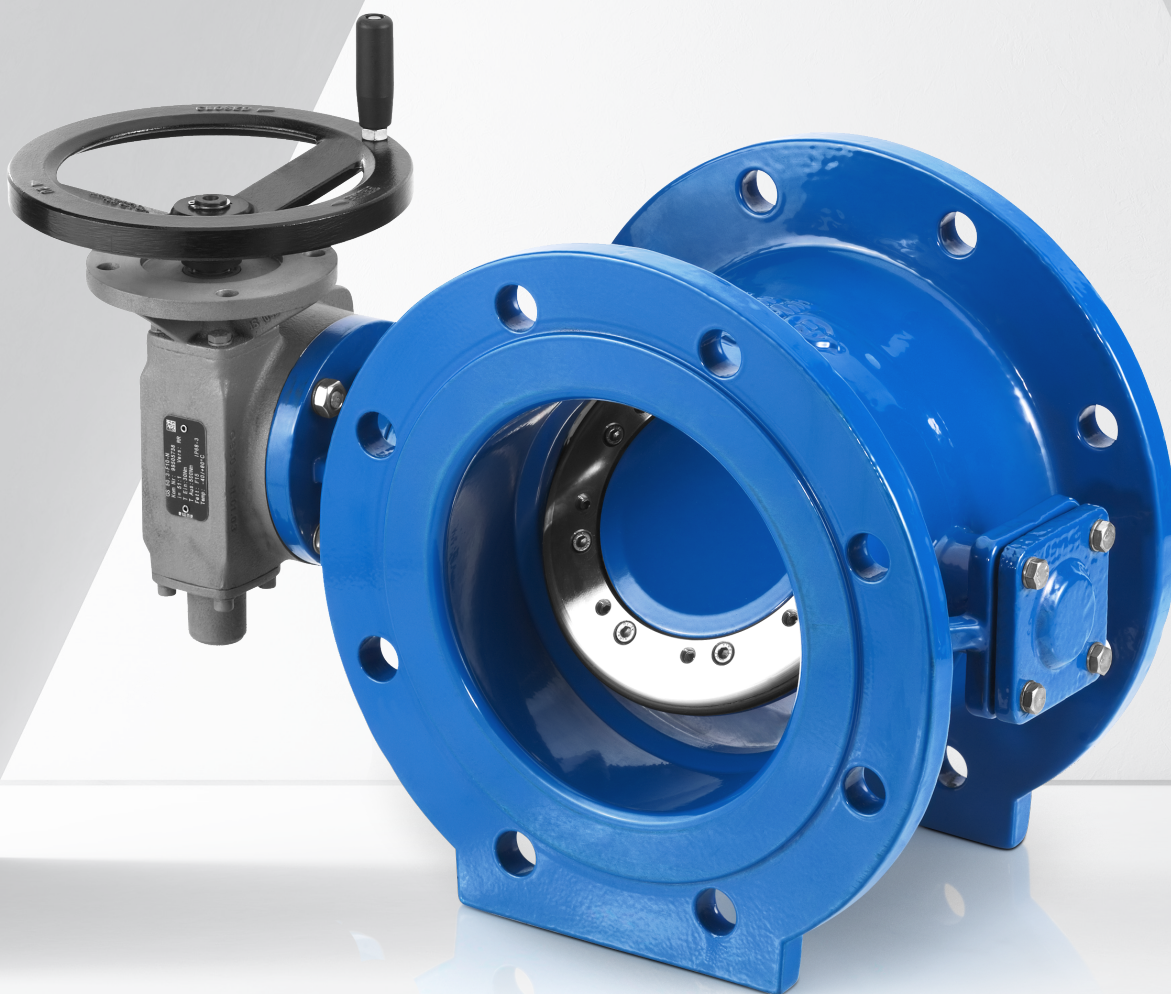


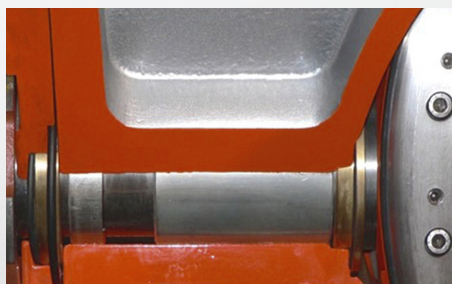
BUTTERFLY VALVES

WITH A VALVE DISC MOUNTED IN A DOUBLE-ECCENTRIC MANNER





High-quality materials.



Flap shafts are mounted in a maintenance-free and medium-free manner.

Butterfly valves

made of ductile cast iron with a valve disc
mounted in a double-eccentric manner

- DN150–1400 PN10 and PN16 butterfly valves cast and manufactured in Germany
- DVGW-certified, tested according to DIN EN12266-1, DIN EN 1074-1/2
- Maintenance-free and medium-free shaft mounting
- Tried-and-tested and reliable actuator technology using high-quality materials
- High-quality corrosion protection with epoxy powder coating according to Quality Assurance Association for Heavy-Duty Corrosion Protection (GSK) guidelines or enamel coating according to DIN EN 11177

In addition to an integral epoxy resin powder coating, the inside of the housing and also the valve disc are coated with enamel. On the basis of many years of experience and extensive durability tests, the valves have excellent actuating forces and flow values while maintaining a long service life. Combining them with relevant actuators or signal generators enables the valves to be used in electronically monitored systems or as a safety device in the event of power failure. In addition, their special seals are designed for installation in the shaft or earth area.

High quality standard

- Soft-seated DIN 593 butterfly valve
- DIN EN 1092-2 PN10/16 flange connection
- GR 14 DIN EN 558 overall length and DIN ISO 5211 intermediate flange
- Combination options with different actuator variants
- Media-free, blow-out proof shaft mounting in PTFE-coated compound bushing
- The drive shaft is sealed by O-rings and brass bushing mounted in an ejection-proof manner
- The main seal is formed by a profiled sealing ring and an adjustable pressing ring (which is particularly durable thanks to the optimised geometry)
- Shafts are adjusted with the valve using a form-fitting pin connection
- The axial lock enables the position of the valve disc to be centred in any position

Cast iron housing

- With EN-GJS-400-15 ductile iron for all flange nominal sizes drilled for PN 10, 16 according to DIN EN 1092-2

Surface protection

- Complete epoxy resin powder coating to comply with Quality Assurance Association for Heavy-Duty Corrosion Protection (GSK) guidelines according to DIN 3476-1 minimum layer thickness > 250 µm, colour RAL 5015 sky blue
- Or enamelled on the inside according to DIN EN 11177 for all nominal sizes as standard in the colour blue with high-performance enamel, coated on the outside with epoxy resin

powder to comply with Quality Assurance Association for Heavy-Duty Corrosion Protection (GSK) guidelines according to DIN 3476-1, minimum layer thickness > 250 µm

Valve disc

- Rust-proof stainless steel pressing ring
- Adjustable elastomer sealing ring made of EPDM or a rubber compound adapted to the medium (e.g. Perbunan)
- The seal can be changed when installed
- Shafts made of X20Cr13 rust-proof stainless steel
- Composite bearing material: Steel-Bz/PTFE
- Cover is sealed by EPDM W270 O-ring
- Threaded joints and A2 pins

Actuator

- Self-locking gearbox with mechanical position indicator and hand wheel or electric actuator
- Pneumatic actuator and safety actuator

Actuator variants

Thanks to the design of the intermediate flange according to ISO 5211, the butterfly valves can be combined with actuator variants. With the exception of the pneumatic actuator, which is directly installed, a worm gear is used to do this.

