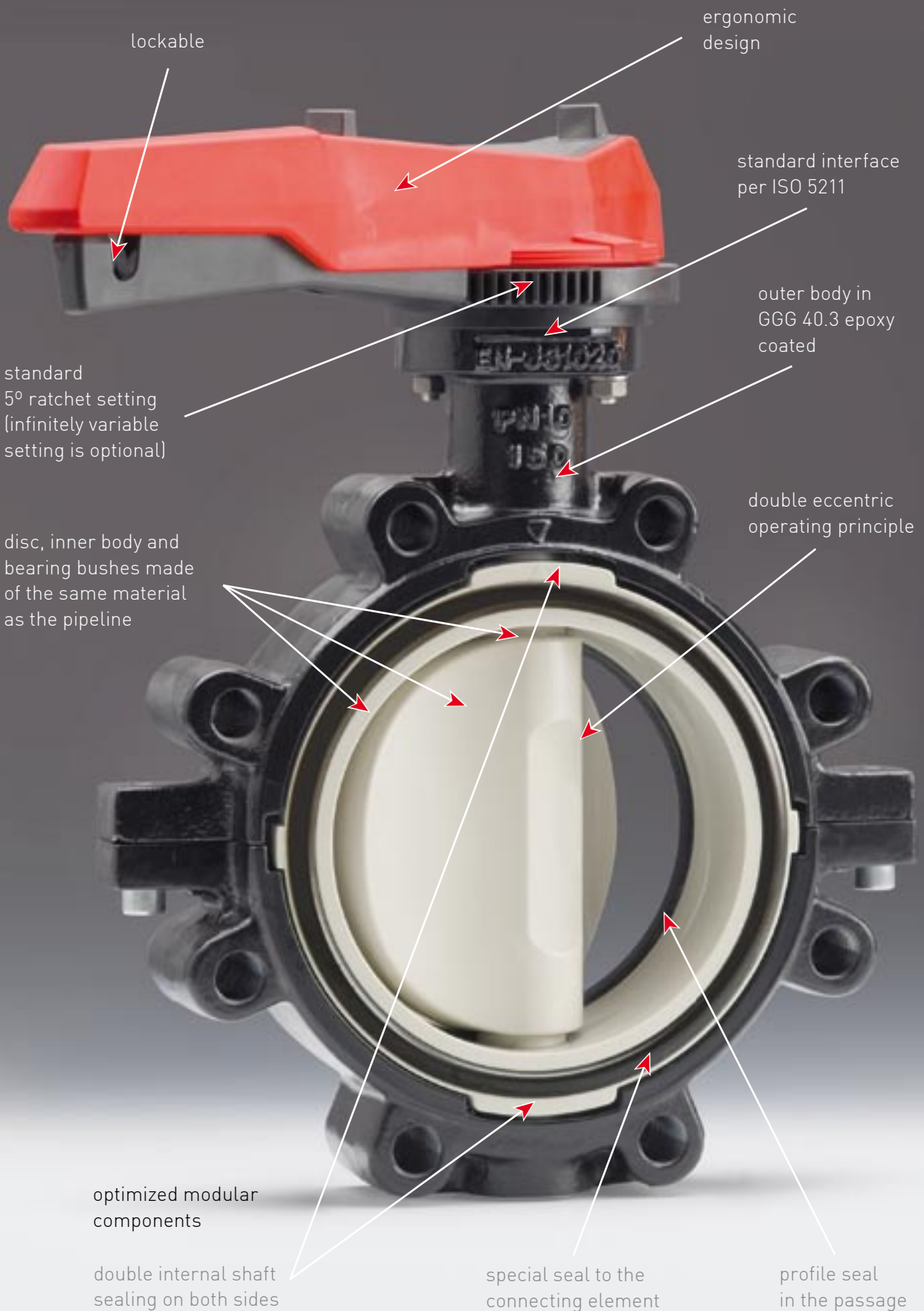


▶ Priority on stability

Butterfly valve type 568

➤ A winner in every detail



The system overview

GF Piping Systems presents the butterfly valve 568 type series for a multitude of interesting combination possibilities.

The product range includes manual valves with hand lever or reduction gear as well as pneumatically or electrically actuated valves from DN50 to DN200.

The system follows a modular design principle, enabling you to exchange individual system components quickly, easily and effortlessly. You also have a choice of materials: PVC-U, PVC-C, ABS or β -PP-H and PVDF. The standard sealing materials are EPDM, FPM and PTFE but other materials are also available on request.

With this wide range of products to choose from, you can always rely on having the best possible solution for your application.

The butterfly valve type 568 from GF Piping Systems conforms to the following international standards:

EN ISO 16136

industrial valves – thermoplastic butterfly valves

ISO 9393

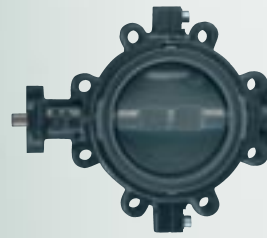
thermoplastic valves – pressure test methods and requirements face-to-face length according to **ISO 5752 (average)**

Approvals:

GL, LR, BV, RINA, ABS, DNV, CCS, RMRS

Approvals pending:

DIBt, NSF61



Standard lug-type butterfly valve/ end installation Type 568

Standard wafer-type butterfly valve Type 567

Butterfly valve with fine adjustment

Butterfly valve with reduction gear

Butterfly valve with pneumatic actuator – single acting

Butterfly valve with pneumatic actuator – double acting; optional manual override

Butterfly valve with electric actuator; optional manual override

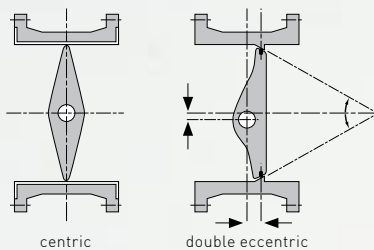
The new butterfly valve type 568 from G

The Georg Fischer name has vouched for reliability and longevity for over 200 years. Our products guarantee quality, functionality and innovation. And the butterfly valve type 568 is no exception. You will find innovative ideas in every detail – and every detail has been well thought-out to satisfy your requirements and needs from a safety as well as an economical perspective.

Double eccentric operating principle

Making a statement is important, especially when it is made through innovative details – like in the type 568.

Double eccentric is the solution.



Butterfly valves are normally built according to a centric operating principle. The new butterfly valve from GF Piping Systems, however, works on a double eccentric operating principle. The result of this principle is that the disc does not come into contact with the seal when in the open position, thus warranting good friction behavior and less wear and tear. Thanks to double eccentricity, protection against water hammer is improved as well.

Your benefits:

- longer use
- less maintenance

Lower actuation torque

Compared to the models offered by competitors, the new butterfly valve type 568 has up to 50% lower actuation torque. This means, firstly, easier handling and, secondly, smaller, more economical actuators can be used. Since the actuation torque depends to a great extent on the internal pressure – usually between 2 and 6 bar – the type 568 has been designed specifically for this pressure range. The maximum allowable nominal pressure at 20°C is 10 bar on both sides.

Optimized modular components

GF Piping Systems puts quality into practice. That is why we examine every sealing function separately and optimize every seal according to its specific function. Three separate sealing elements have been implemented:

- Seal to the outside: double internal shaft seal on both sides to prevent leakage
- Seal to the connecting element: profile seal in which the O-ring has a broader contact face
- Seal in the passage: specially adapted profile seal



F Piping Systems



The new butterfly valves in the dimensions DN 50 to DN 200 have a modular design and provide you with a large selection of versions to choose from. Innovative details set new standards in safety, operating efficiency and service life.



Special O-rings with broader contact faces for better sealing to the pipeline enable easy and leakproof mounting. Displacement, falling out or turning down is impossible.



The profile seal in the flow path has been specially adapted for the double eccentric operating principle.

The easy-to-operate lever features an ergonomic design, compactness, practical functions and robust material.



The proven double-sided sealing concept has been implemented consistently to protect against leakage to the outside. This guarantees maximum reliability and safety. High-quality elastomers are used cost effectively thanks to standard-sized O-rings.

Less permeation

Butterfly valve components which come into contact with the medium, such as disc, inner body and bearing bushes, are manufactured of the same material as the pipeline.

Your benefits:

- high corrosion resistance
- high chemical resistance

Functional lever in new design

Very sophisticated details have been incorporated in the butterfly valve type 568, such as the lever. The following features ensure even more safety:

- The standard lever has 5° ratchet setting. There are always six teeth engaged between the ratchet and the index plate. This enables fine and safe positioning of the lever.
- With the fine adjustment option, the disc can be freely set at any angle between 0° and 90°.
- The opening angle is clearly indicated in degrees on the index plate.
- The lever is lockable, so it cannot be moved subsequently.
- The lever is made of high strength PPGF (polypropylene, fiberglass-reinforced).

GF Piping Systems Know-how

The individual process steps and assembly are carried out with extreme reliability, precision and care.



GF Piping Systems has approx. 500 approvals worldwide for its products. We also operate a test lab accredited to EN ISO IEC 17025. Tests performed in-house have a rating identical to testing by approval authorities. Testing takes place in the development stage and later again during running production. The quality guidelines for production are an integral component of the stringent norms in effect at GF Piping Systems. Our highly qualified and experienced staff makes sure that the required quality is secured at all times. One example of this all-embracing quality assurance is the leak testing done on every single valve.



The quality norms at GF Piping Systems are very stringent. Materials and valves are subjected to continuous testing.

100% leakproof and function testing guarantee maximum safety and reliability.



Our butterfly valves in operation

In chlorine gas electrolysis, great importance is placed on the chemical resistance and longevity of the valves in operation. We offer customized solutions.

Industrial water processing, drinking water treatment, swimming pools, aquariums, oceanariums and waste water treatment are typical application areas for the new butterfly valves type 568 from GF Piping Systems. In most applications in the chemicals industry and chemicals trade, in electroplating and in power plants, media that are extremely aggressive need to be transported.

Butterfly valves from GF Piping Systems are also implemented in seawater desalination systems. Our valves score highly in the reverse osmosis process because they guarantee maximum safety.

