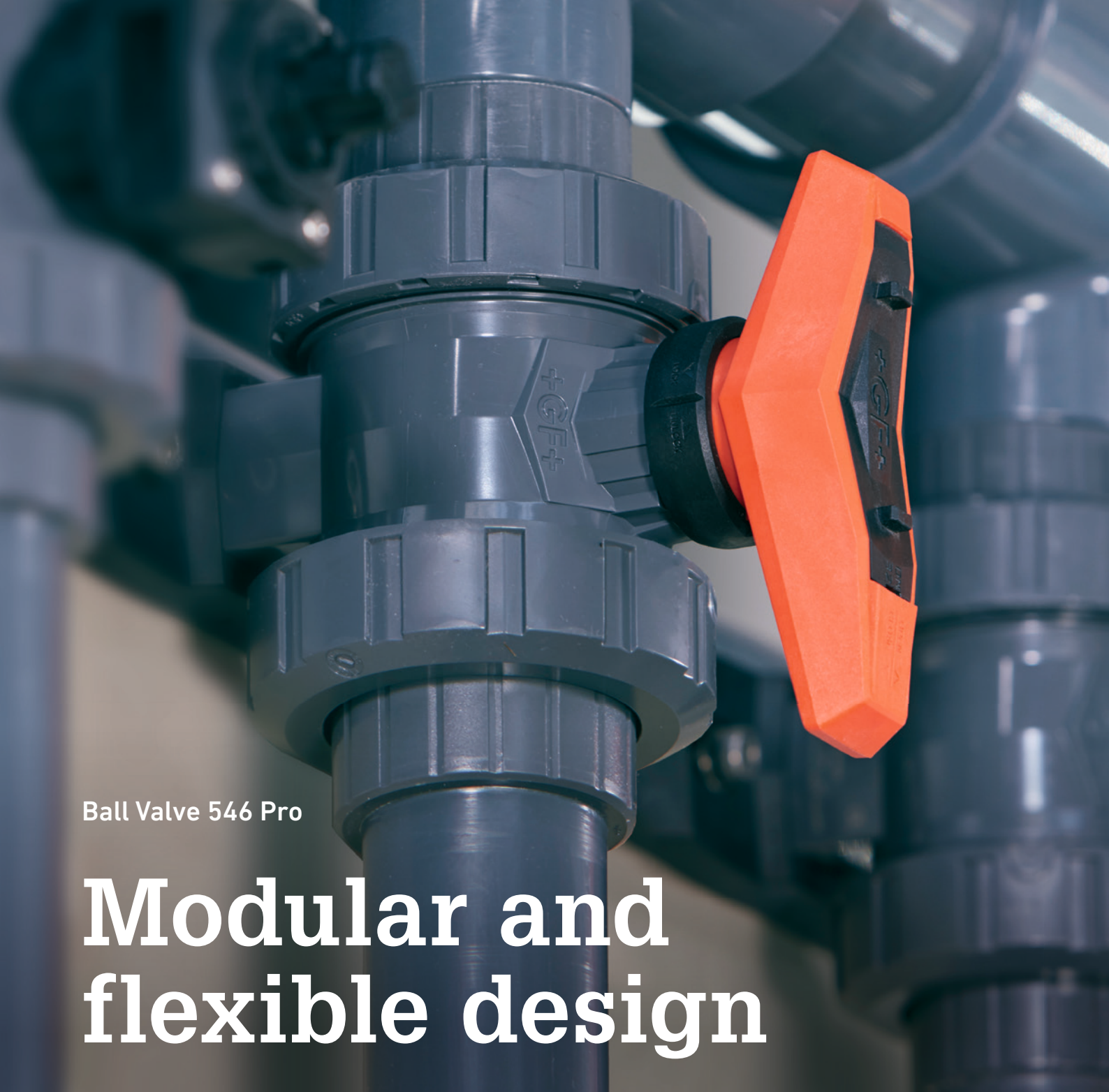


Time for the new Ball Valve 546 Pro

The original just got better



**Modular platform design for
easy and flexible adaptation**



Ball Valve 546 Pro

Modular and flexible design

For more than 15 years, the Ball Valve 546 has been the worldwide standard for industrial applications. The new generation's future-proof modular design ensures that whatever the technical or digital requirements the Ball Valve 546 Pro is ready to incorporate these needs today.

When optimizing a piping system, the Ball Valve 546 Pro is a decisive component in increasing overall efficiency. It helps to reduce service and retrofitting costs, reduces the risk of operating errors and sabotage, and anticipates future requirements – from regulatory changes to digitization.

It meets today's demands on valve technology with the usual high quality standards of GF Piping Systems. Due to its consistent installation length compared to its predecessor and optional accessories, it can be easily and flexibly adapted to changing requirements.



+ 100 % reliable

In terms of reliability, the next generation matches the originals high standards and even improves upon them thanks to being largely maintenance-free, available worldwide in a wide variety of materials and has received the most certification approvals.

+ 100 % flexible

Thanks to its modular design, the Ball Valve 546 Pro can always be adapted to your requirements. Whether electric, pneumatic or manual operation, including optional accessories, it flexibly meets all requirements.

+ Contribution to digitization

The 546 Pro makes a contribution to digitization: It can easily be retrofitted with an electrical position feedback and provides relevant component information via a data-matrix-code.

+ Two-level safety

In order to protect sensitive processes against the risks of errors and sabotage, the Ball Valve 546 Pro is equipped as standard with a locking element and the possibility of using a locking device.

+ Complete compatibility

Due to the same installation length and thread as its predecessor, no complicated and expensive assembly work is necessary. The 546 Pro can be retrofitted together with the actuator and accessories during operation and at low cost.

+ Replacement within minutes

The new designed security break point in the interface allows the user to replace the coupling piece within a few minutes and without interruption if an automated valve is subject to wear.

An aerial photograph of a large industrial facility, likely a manufacturing plant, situated in a snowy mountainous region. The facility consists of several large, light-colored buildings with flat roofs, some featuring skylights. A parking lot with several cars is visible in the foreground. The surrounding landscape is covered in snow, with scattered evergreen trees and a few small structures. In the background, a steep, snow-covered mountain rises, dotted with more trees and a few small buildings. The sky is clear and blue.

Ball Valve 546 Pro

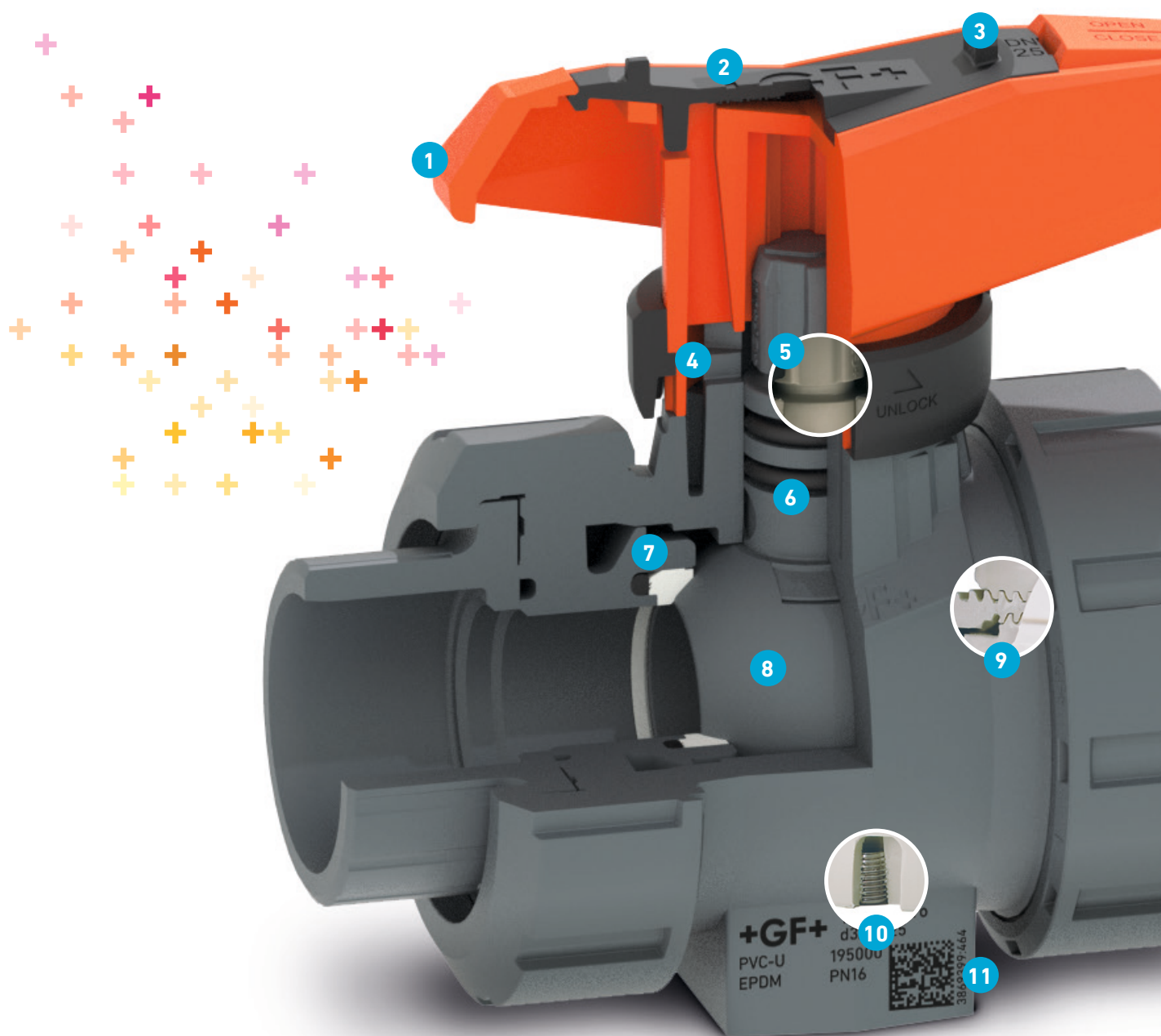
Swiss quality for highest reliability

Like its predecessor, the Ball Valve 546 Pro is produced by GF Piping Systems in Seewis (Grisons), Switzerland. High-quality manual and automatic valves have been produced here for over half a century. They combine technological innovation with the highest standards of material selection, manufacturing and quality testing for safety, durability and reliability.



The proven original improved once again

As the successor to the proven original, the Ball Valve 546 Pro has been improved in many ways. A reinforced security break point in the stem interface prevents leaks due to wear or excessive force. Two integrated sealing rings in the stem interface provide double safety. Therefore, the 546 Pro offers uncompromising reliability and can be flexibly expanded with optional accessories. All previous quality features of the ball valve have been migrated to the new generation.





Product features

- 1 Ergonomic lever, lockable as standard
- 2 Quick-Label on request
- 3 Integrated tool for the union bush
- 4 Interface for flexible automation and accessories
- 5 Reinforced security break point in the stem interface
- 6 Double stem seals
- 7 Dynamic backing seal
- 8 Smooth spherical surface
- 9 Saw tooth thread suitable for plastics
- 10 Fastening system with integrated threaded bushes
- 11 Data-Matrix-Code

Every detail counts



Safety through dead man's switch

The 546 Pro is there for you in case you forget: A manual spring return unit ("dead man's lever") ensures that the valve closes automatically when released. This reliable, compact and cost-effective solution ensures end-to-end process safety and easily eliminates potentially far-reaching risks.



Information via Data-Matrix-Code

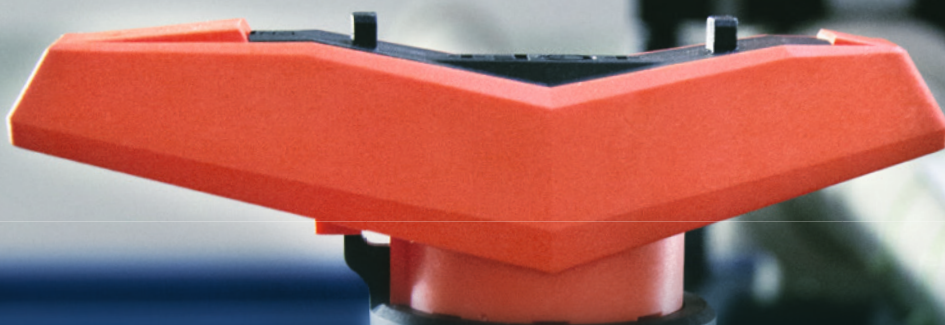
The Data-Matrix-Code on the 546 Pro simplifies the storage of all technical information for each individual valve and thus enables individual traceability. The faultless identification of each 546 Pro facilitates easy installation, service and repair.





Monitoring by the double sensor

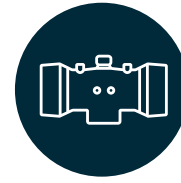
The optional LED position feedback allows the current position of the valve to be centrally recorded and checked at any time – for manually operated and automated valves. The compact dual sensor fits even in the most tight areas and is protected against ingress of water and dust (protection class IP67).



User-friendly operation

The ergonomically designed lever allows easy, precise operation. To protect against unintentional or unauthorized actuation, it is lockable as standard and functions with all new accessory options. Even a tool for removing the union bush is integrated.

Driven to maximum performance



The new pneumatic and electric actuators from GF Piping Systems help to make processes more efficient and reduce maintenance costs. Where appropriate, they also contribute to digitization by making it easier to access process and component data and use it to optimize the system. The Ball Valve 546 Pro drives you to maximum performance.

Pneumatic actuator for reliable operation

The pneumatic actuator is made completely of plastic, making it light, maintenance-free and durable even in highly corrosive environments. The new actuator series comprises twice as many combination variants as before. This way, you receive the perfectly matching actuator for each valve. Your system is optimized in terms of space utilization and energy consumption. Retrofitting and thus automation are problem-free.

- + More compact and lighter
- + Ideal valve actuator design
- + Robust and reliable



Electric actuator for more efficiency in the work process

The electric actuator makes full use of the possibilities of digitization: It makes it easy to identify and confirm each valve position and to check the system status. Complete monitoring and control are possible via an app on a smartphone or tablet. Thanks to its standardized mechanical interfaces, the electric actuator can be mounted on any standard valve.

- + Access to relevant data
- + 360° LED display
- + Wireless activation

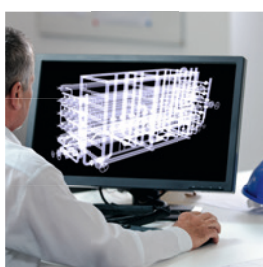


Services of GF Piping Systems

Optimal planning, installation and operation

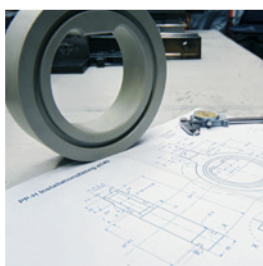
The specialists at GF Piping Systems support you throughout all phases of your project. They help you to optimally plan, install and operate your plastic piping system. Therefore, they reduce unnecessary time and material losses for you and keep downtimes and other risks as short as necessary.

Recommended services



Engineering

We check the design of your piping system, support you with the choice of materials and components as well as with the correct installation. Our 60 years of experience with plastic systems help you to reduce your own risks.



Customizing

Customized special parts and solutions for special tasks are available in all required dimensions. Even unusual applications in challenging installation scenarios can be implemented easily, safely and on time.



Digital Product Libraries

The digital product libraries by GF Piping Systems allow planning with real-life dimensions and automatically generated parts lists, facilitating digital cooperation. They help reduce planning errors and shorten your project times.



Next steps

In this brochure you have received the most important information and technical details. But nothing replaces a personal conversation with an expert from GF Piping Systems. It is all about your needs and how we can support you in your daily business challenges. If you have not already done so, make an appointment today.

On the GF Piping Systems website you will find specialized contact persons in your area. There you will also find further information on the product, including technical data sheets and operating instructions as well as relevant certificates and approvals.

- Appointment with an expert from GF Piping Systems
- Advice on the benefits of the solution for you
- Information on reference applications
- Help with selection and calculations
- Support in all project phases

Find out more
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