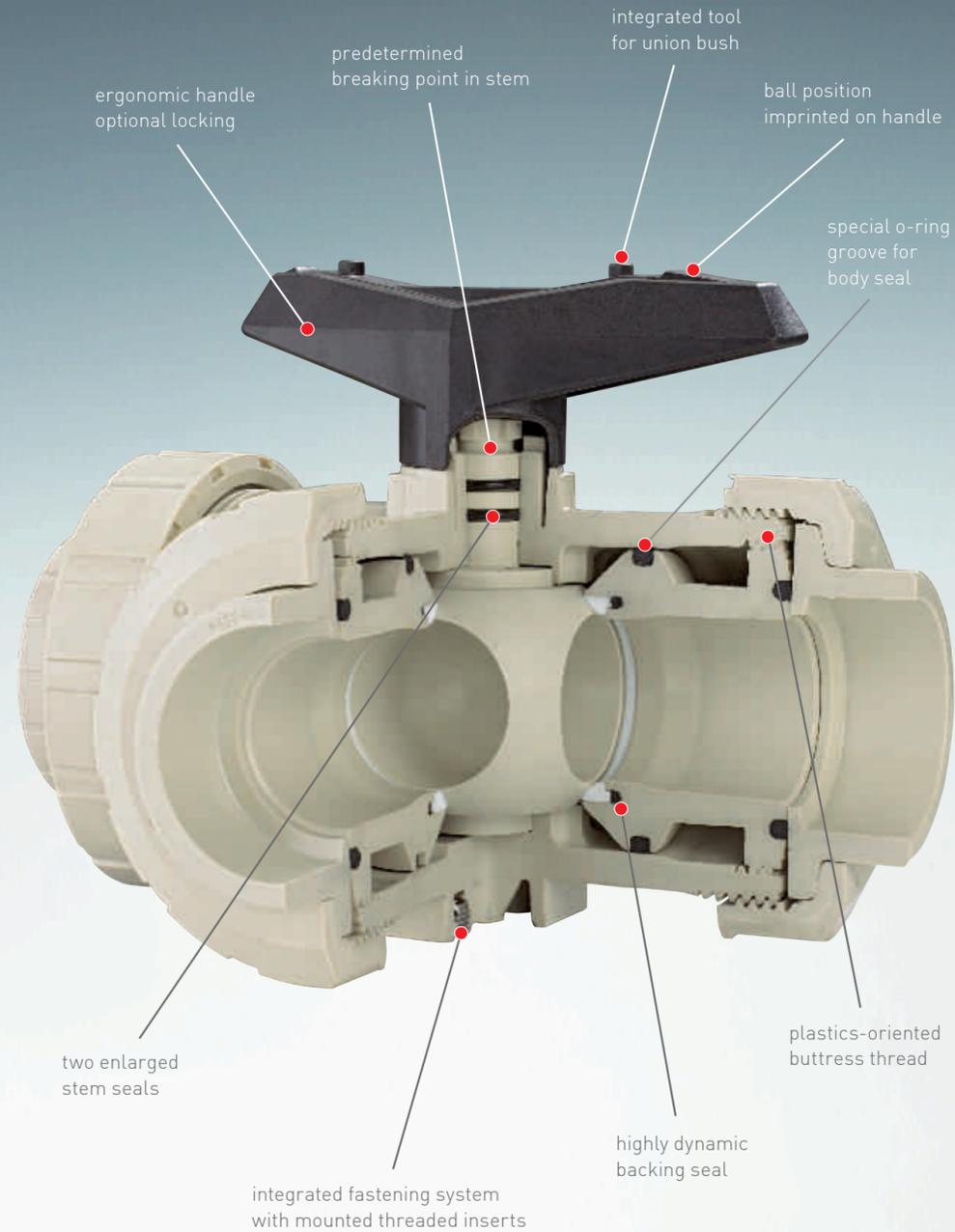


## ● Convincing design



## Perfection in detail

### L-bore, 5 functions



Basic position for diverting function



Mixing function with reduced flow



Diverting function



Outlet closed, passage open with reduced flow



Shut-off function

In the ball valve series from GF Piping Systems, attention has been given to every last detail of the individual components. Functionality and design have been perfected so that we can – as always – offer our customers a reliable and intelligent solution.

### Easy installation

The ball valve type 543 features integrated threaded inserts. It can be installed directly and rapidly. There is no need to attach complicated fixtures to the valve. The mounting plate from the ball valve type 546 can be used for installation.

### Modular solution

With the assembly kit, you can transform the manual three-way ball valve into an actuated valve with a variety of functions. The module can be used as a standard mechanical interface thanks to the all-plastic housing, the sturdy design and secure fastening on the ball valve. It also enables direct connection of electric and pneumatic actuators.

### Lockable handle

Comfort and safety are the outstanding features of the multifunctional handle:

- indexing in 45° increments
- exact, safe positioning of the ball
- lockable and therefore protected against unauthorized access
- made of robust PPGF (polypropylene fiberglass-reinforced)



### Fast mounting

The preassembled threaded inserts made of stainless steel permit direct installation



### Optimal connection

The assembly kit as interface for actuators



### Exact positioning

The lockable multifunctional handle



### Reliable connection

The plastics-oriented buttress thread withstands maximum forces



### Perfect placement

The 90° stop can be placed in four positions as a clip-on ring



### Hidden talents

The handle contains the tool for adjusting the union handle

### Perfect for Plastics

In developing the buttress thread for the ball valve type 543, a plastics-oriented connection technology was realized and implemented. Compared to the trapezoid thread, the buttress thread offers the following advantages:

- ca. 50% better coverage of the thread flanks
- no radial force components due to contact of the vertical flanks in the loading direction
- max. protection against the union nut loosening and jumping off in case of water hammer

### Defined handle operation

The new 90° stop enables using the lever in defined positions of 90°. The specially designed housing of the ball valve enables placing it in diverse positions by means of a clip-on ring. The handle stop is made of robust PPGF and can be used for all materials. It is covered by the handle and therefore not visible from the outside.

### Multitalented

The fiberglass-reinforced polypropylene (PPGF) handle is more than just a handle – it also contains the tool for adjusting the union bushes. Another new feature is the marking imprinted on the handle for the various ball positions. This marking cannot be removed.

### T-bore, 4 functions



Basic position for mixing function



Diverting function



Outlet closed, passage open



Diverting function