



# Brass water refill valve

## Function:

The automatic water refill valve consists of a balanced seat type pressure reducing valve, water inlet filter, stop valve and check valve.

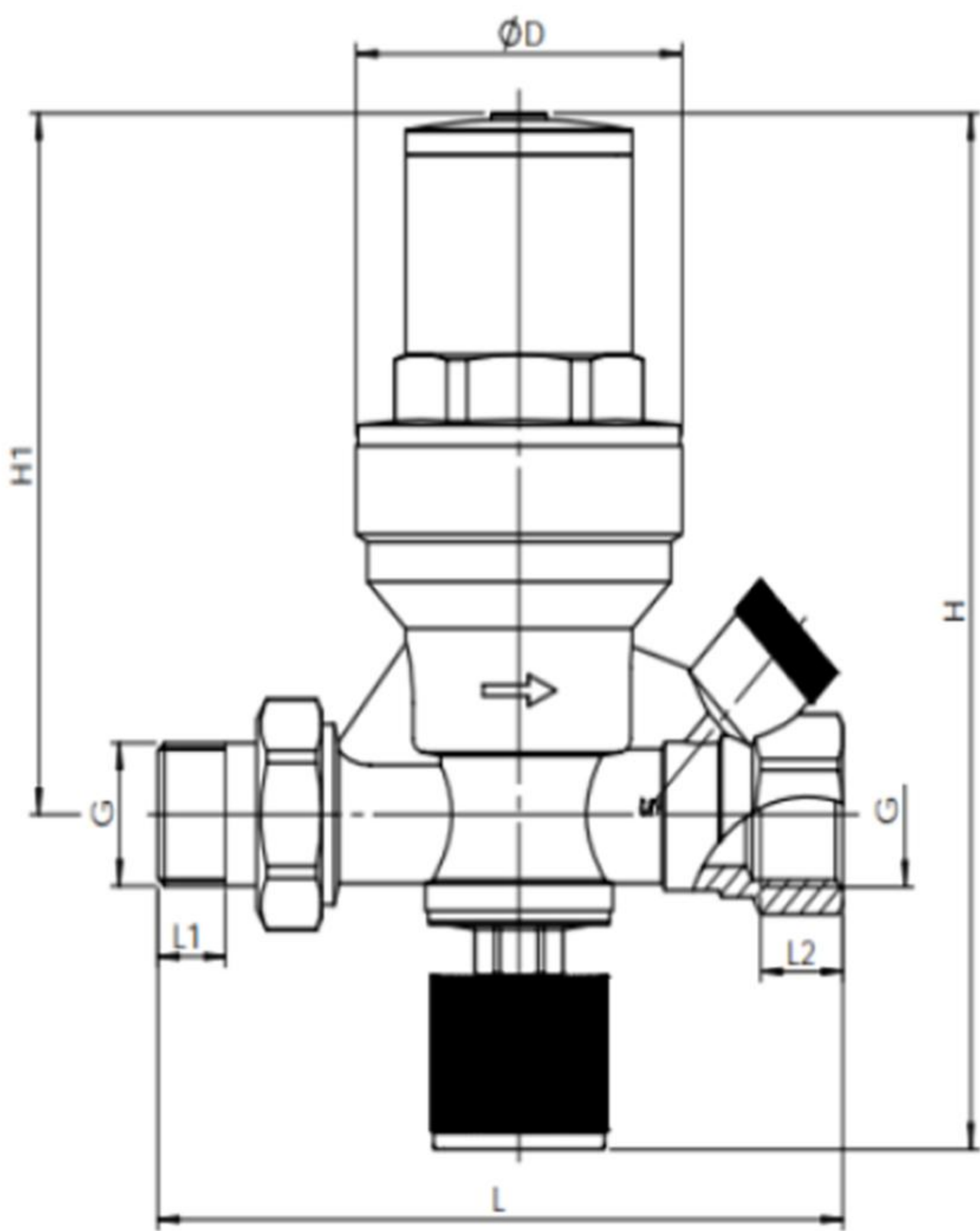
It is installed on the water refill pipe of a closed cycle heating or cooling system, automatically maintaining the system pressure at the set value and ensuring that the system water will not return when the water supply system pressure is reduced or there is a shortage of water.

The most important feature of this new automatic water refill element is its visual adjustment, that is, the water refill pressure can be set to the required pressure value before installation.

When the system water injection is used normally, the automatic water refill valve automatically replenishes water when the pressure decreases according to the change of the system water pressure and prevents backflow.

The automatic water refill valve is also used in combination with both detectable and undetectable backflow preventers, depending on the level of contamination that may be caused by the system backflow.

## Structure size:

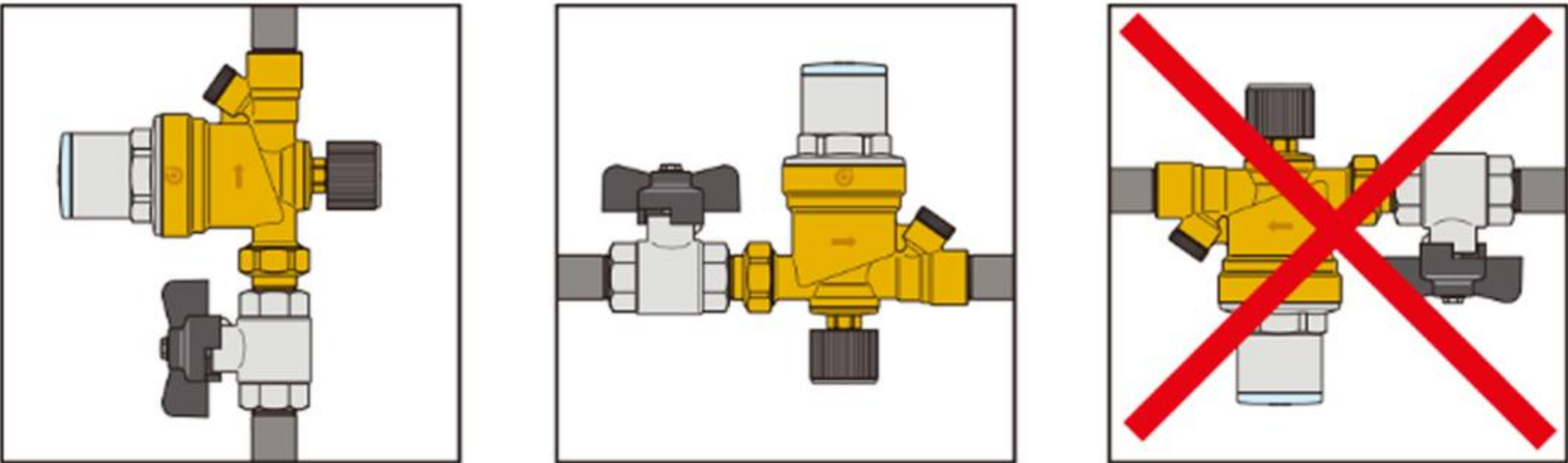


SIZE	G	ØD	L
1/2"x1/2"	1/2"	Ø57.5	122
L1	L2	H1	H
13.5	14.5	102	152



## Way to install:

- 1.The automatic water refill valve is installed horizontally or vertically, but not upside down. Follow the arrow direction indicated by the valve body
- 2.Due to the visual adjustment, the outlet pressure of the automatic water refill valve can be pre-adjustedIt's done before the system is flooded



- 4.The water outlet pressure of the automatic water refill valve should be 0.3 kg higher than the static pressure of the system.
- 5.During the automatic water refill process, the automatic water refill valve automatically adjusts the water refill pressure. Don'tlt requires personnel to be on duty next to it, so as to avoid artificially raising the water pressure.
- 6.The stop valve at the lower end of the automatic water refill valve can shut down the system water injection. Globe valve open Then the system will automatically reach the set water pressure.



# Special structure:

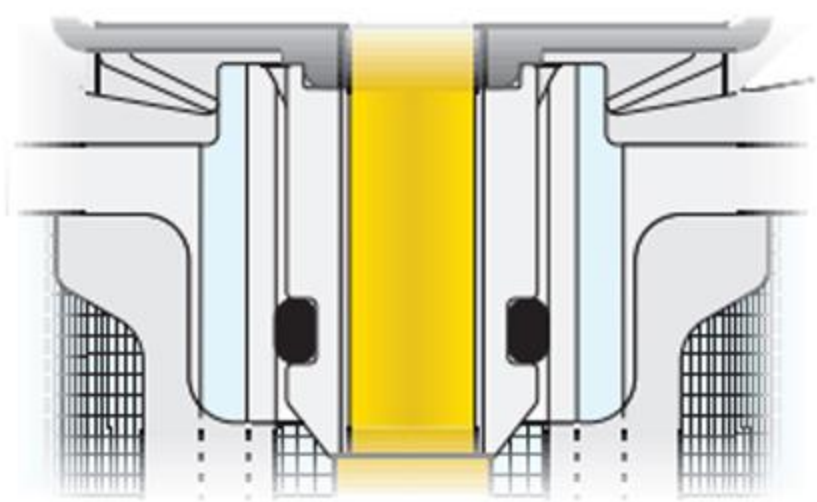
## Visual regulation

This type of automatic water refill valve is equipped with the valve cover Available with visual adjustment dial, via adjustment screw The nail can set the pressure value directly.



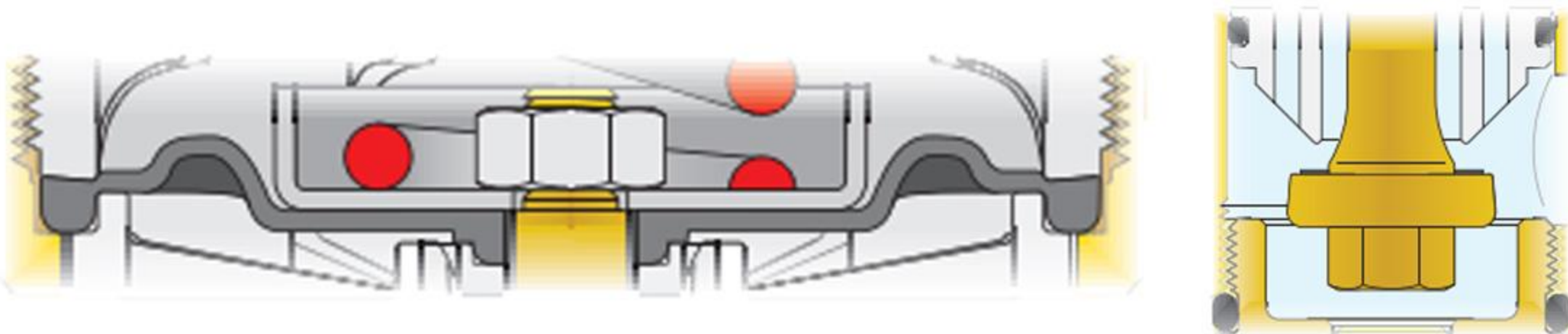
## Anti-scale material

Movable and sealing parts of the spool  
Engineering plastics with low viscosity are used  
And silicone rubber, effectively prevent scale pile  
To extend the service life of the water refill valve.



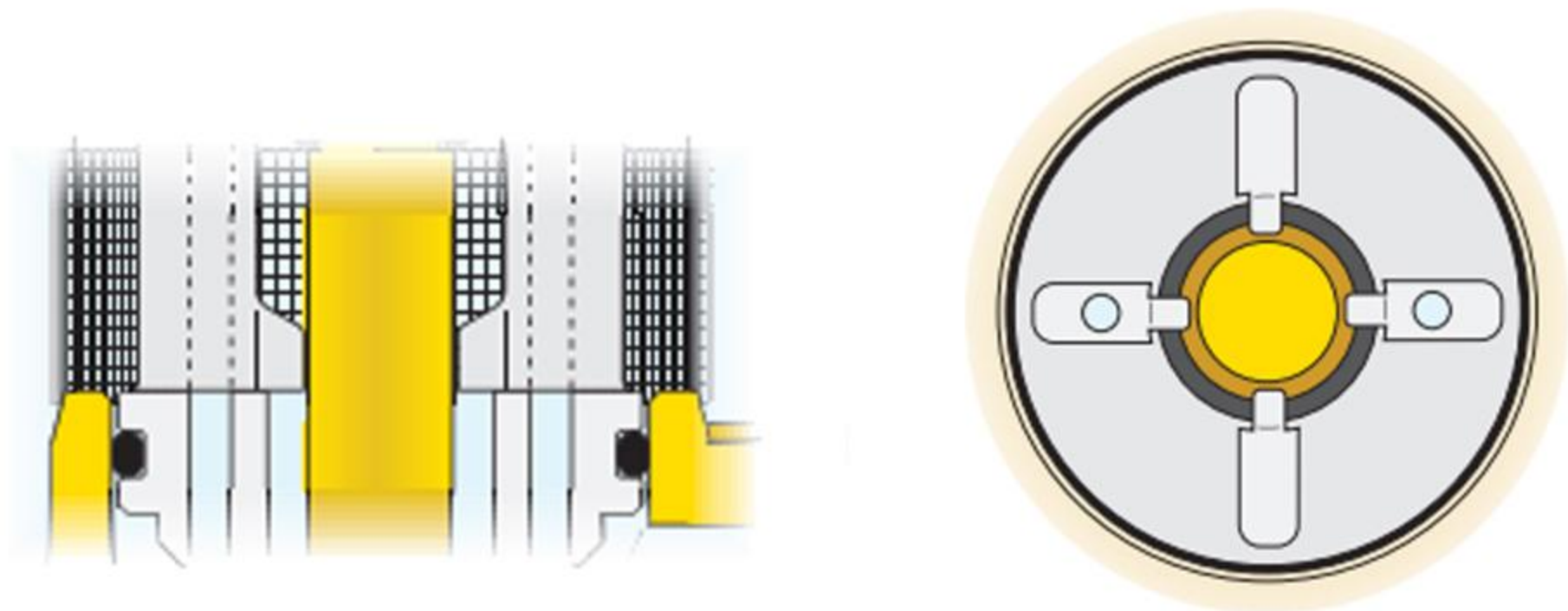
## Diaphragm type seat

The large effective working area of the diaphragm is 40% larger than that of similar products, which ensures the sensitivity of the valve to operate under slight changes in pressure differential, while also giving the valve stem greater force to overcome downward friction.  
The seat of the water refill valve is specially designed to thesmallest diameter in view of the low flow rate characteristic of the water refill. This design is to make it form a good three-dimensional proportion with the increased diaphragm area, so that it works more stable and reliable.



## Piston guide seat

In order to reduce surface friction, the stem - piston group guide seat is arranged on the upper part of the spool, which is hot-pressed by a single piece of plastic pad four-point guide seat.



## The spool and filter can be removed

The outside of the spool is the filter screen.  
The filter and spool can be extracted.  
This can facilitate inspection, internal cleaning and timely replacement.

