New Product Introduction-Generation III

Resilient Seated Gate Valve

Slider Series

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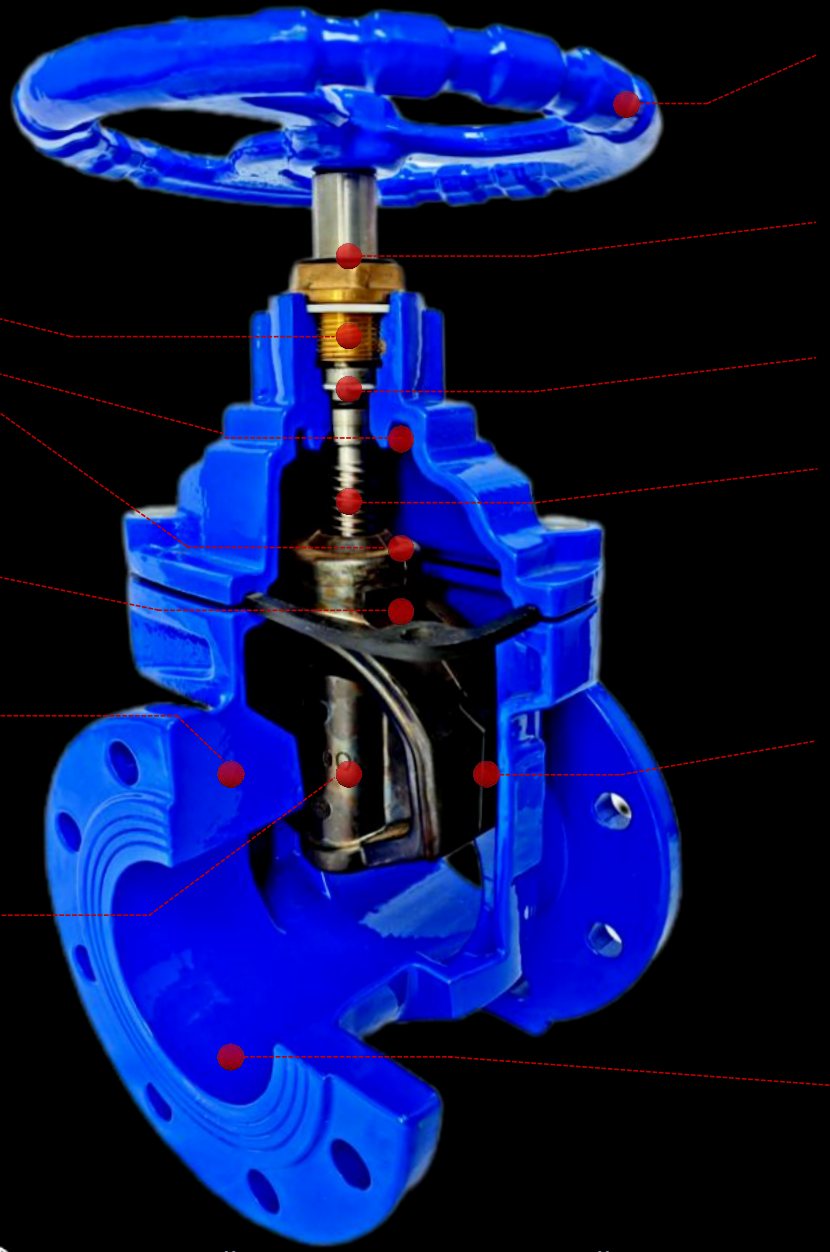
Advantages



Brass gland with 3 built-in O-rings

Inverted sealing structure allows packing replacement under pressure

Stem nut 100% wrapped with vulcanized rubber

Thickened body withstands 3.0Mpa pressure

Widened & thickened disc with non-toxic vulcanized rubber certified by WRAS

Solid & thickened DI handwheel

Anti-aging dust-proof cap

Extra 2 PTFE gaskets+2 O-rings

Thickened double -thread stainless steel stem

Anti-wear nylon guides

WRAS certified non-toxic epoxy spray powder, spraying thickness ≥ 250μm, meeting safe drinking water standards.

1 Operation

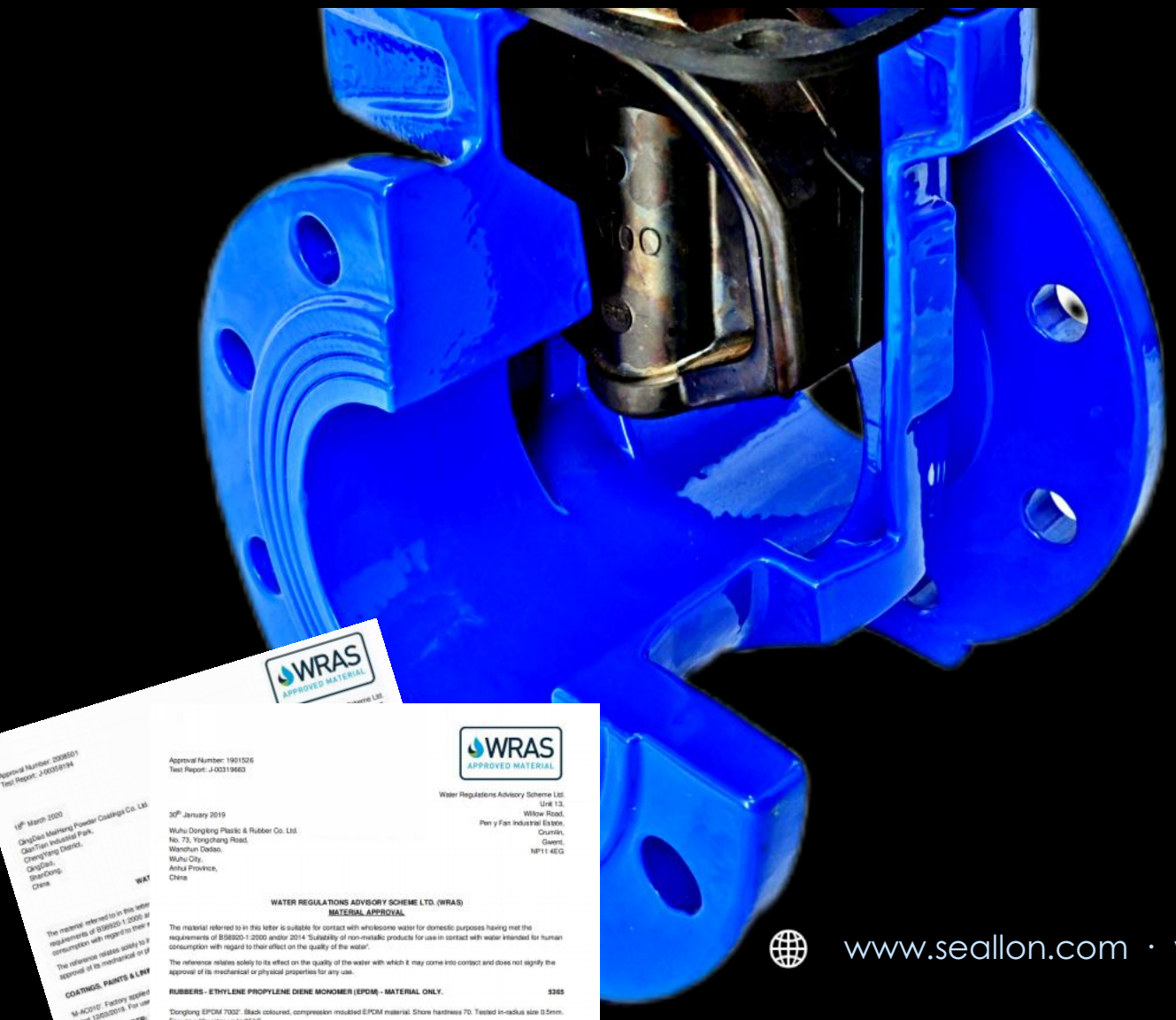
Thickened ductile iron handwheel

Strong&durable, stable operaion
of valve opening and closing

Stamped steel handwheel

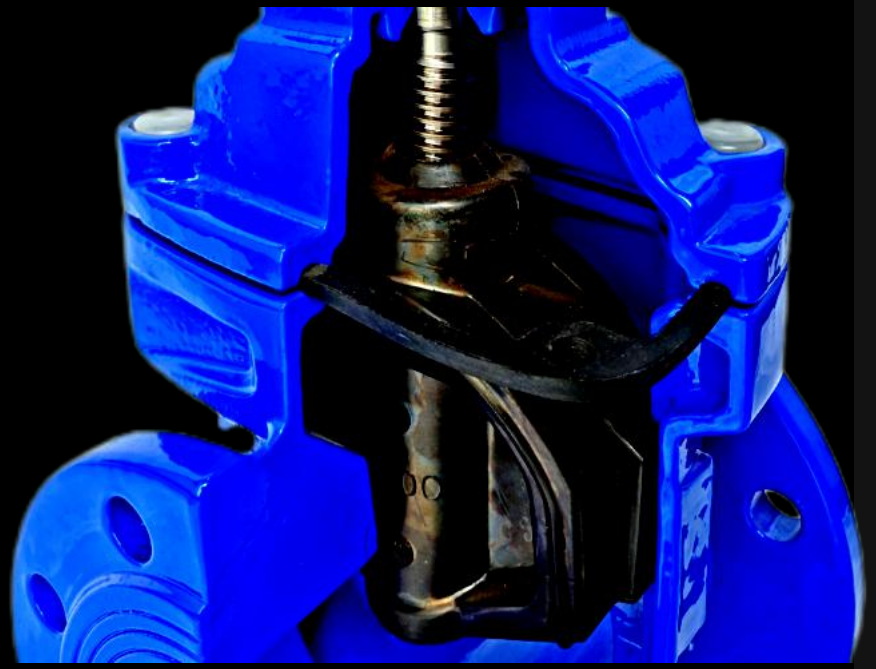
Easily deformed, corroded,
if greatly deformed or broken, unable to fully open or close the valve

Body & Coating



- Full bore design, large flow, small resistance coefficient;
- Overall body, lateral flanges, middle flange&bonnet are thickened, meeting the standards of DIN3352&EN1092-2. The body can withstand to 3.0Mpa pressure ;
- The outside and inside of the body and bonnet are evenly coated by WRAS-certified non-toxic epoxy spray powder, with adhesion force of ≥12N/mm2. It is not easy to fall off, fully meeting the safe drinking water standard ;
- Coating thickness ≥ 250μm, it can effectively prevent corrosion and prolong the service life of the valve no matter in the manhole or buried underground .

3 Disc & Stem Nut



Anti-wear Nylon Guides

The sliders on both sides of the disc can effectively avoid the friction between the rubber disc and the metal guide groove, thereby reducing the opening and closing torque and prolonging the working life of the disc.

Widened&Thickened Disc

The disc is widened &thickened, and double-rib structure is adopted on both sides, which has better pressure bearing performance and is not easy to deform, thus ensuring the bidirectional sealing and zero leakage of the valve for long. The natural rubber content of vulcanized rubber is ≥50%, passing WRAS certification, meeting the standard of safe drinking water.

Fully Wrapped Structure

The stem nut is 100% wrapped inside the disc by vulcanized rubber. The stem passes through the upper thread of the disc and the stem nut thread respectively, firmly connected with the disc. Even in the high-frequency opening and closing working environment, the disc is not easy to fall off from the stem.

4 Stem & Stem Seal

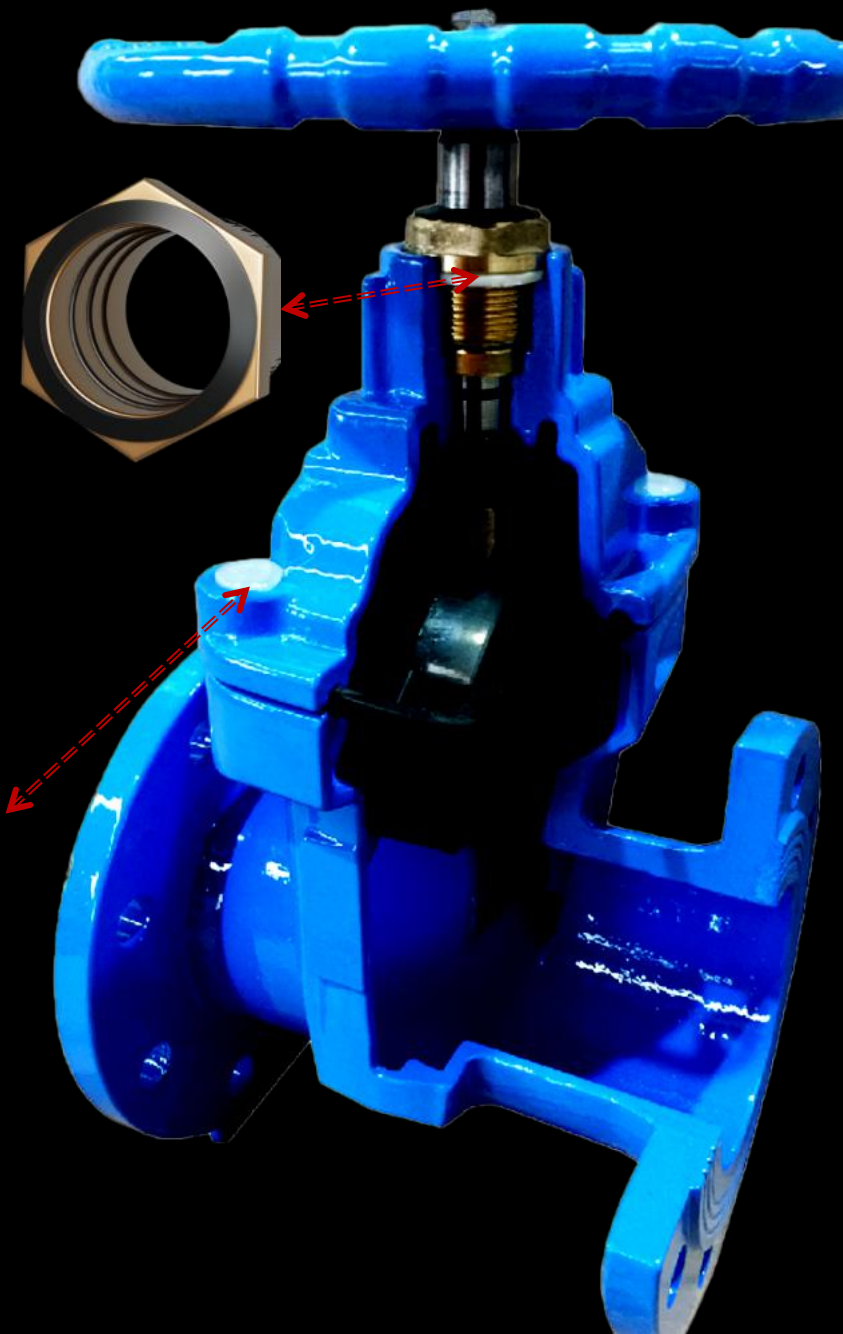
- Brass gland with 3 built-in O-rings
- 2 extra O-rings on stem
- 2 extra PTFE gaskets on stem

7 stem seals in total. It can totally prevent the medium leakage from the stem. If the packing needs to be replaced, rotate and open the brass packing gland to replace it.

- Stainless steel A276 420 stem with high strength, wear resistance & corrosion resistane.
- The stem is thickened and stem threads are rolled with high processing precision, ensuring higher strength, completely even thread pitch and smooth thread edges for low operating torque.

Stainless steel bolts with material and strength mark

Double thread start position



5 Inverted Sealing

- ✓ The gate valve with inverted sealing structure can reduce the erosion of the fluid medium on the packing, greatly reduce the possibility of leakage from stem, and prolong the service life of the packing.
- ✓ Even if the valve requires an urgent packing change, no pressure relief is required.
- ✓ Just turn the handwheel counterclockwise to make the disc rise to the top, attach closely to the outlet on the upper end of the bonnet, and completely form a sealing cavity, then the brass gland can be opened to replace the internal sealing packing.
- ✓ This design is convenient for end users to solve urgent emergencies and greatly reduce the user's operation and maintenance costs.

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