

DIN F4 Resilient Seated Gate Valve

Gate Valve

Product Name: DIN F4 Gate Valve

Model: Z45X-10 / 16Q

Diameter: DN50-600

Pressure: PN1.0 / 1.6mpa

Temperature: 0-80 °C

Medium: Water, gas etc.

Body material: GGG50 / 40

Connection: Flange

Product Introduction:

Soft seal gate valve, has overcome the normal gate valve defects which is poor sealed, elastic fatigue and easy to rust. Soft seal gate valve generates tiny deformation compensation effect from the flexible gate, to achieve a good sealing effect. The main advantages of this valve are easy to on-off, reliable sealed with good elastic memory and long using life etc.

Product features and advantages:

- Fluid resistance, little erosion and corrosion occurs on sealing surface from the media.
- Flat base seat—Traditional gate valve used to have foreign objects such as stone, wood, cement, paper and other debris in the notch of the valve bottom, then cause water leakage when the valve can not be close tightly. Soft seal gate valve is designed with the flat base which is in the pipe's same level, then no more foreign objects filled in, easily to be free flowing.
- Overall rubber coating—Using high quality rubber to overall coat the valve disc both inside and outside, with domestically leading rubber vulcanized technology, the valve is able to maintain accurately geometry size. What's more, high adhesion between the rubber and valve disc makes the rubber steadily stick with good elastic memory.
- Corrosion resistance – The valve body is coated with epoxy resin powder, it can prevent the valve from corrosion and rusting, and the valve can be used in waste water system. Difficult to break, traditional gate valve used to cause fracture because of the hit or collision from other objects. The new valve body material is ductile iron, this material makes the fracture situation remarkably reduce.
- Three “O” ring seals- The stem with three “O” ring rings seal design can reduce friction switch, significantly reducing water leakage , besides, we can replace the valves without stopping the water construction.

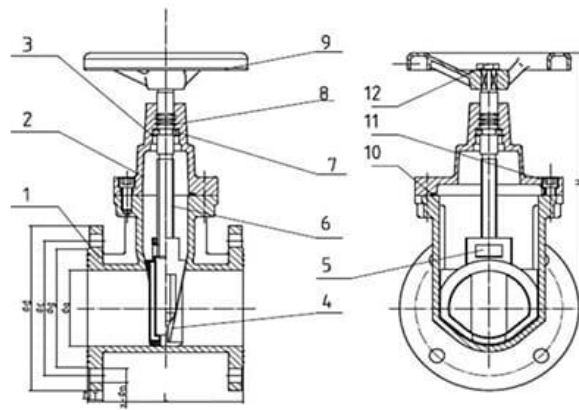
- Helping to drink- Due to the internal body to non-toxic epoxy resin coating, the Inner and outer surfaces of the shutter are completely covered rubber so it will not appear rust or corrosion , insure water available to drink.
- Body Casting- Body using precision casting, Precise geometry make it possible to ensure the valve seal without any other finishing to the inner of the valve.
- Light weight – Body with ductile cast made,lighter in weight than the conventional valve about 20% to 30%, easy installation and maintenance.

Application:

To be used as the regulating and cut off device in the fluid pipeline of following system:

- | | |
|----------------|---------------|
| • Water | • Electricity |
| • Sewage | • Medicine |
| • Construction | • Metallurgy |
| • Food | • Textile |
| • Energy | |

PARAMETERS



| Model DN | Face to Face L- mm | Center height h- mm | Hand wheel diamete D-mm | Nominal diamet a- mm | Flange diameter d- mm | Hole center distance c- mm | Hole number and aperture x- n | The flange thickness (containing water) T- mm | Boss height f- mm | Crown diameter g- mm | Nominal Pressure |
|----------|--------------------------|---------------------------|----------------------------------|----------------------------|-----------------------------|-------------------------------------|---|---|-------------------------|----------------------------|---------------------|
| 50 | 150 | 241 | 138 | 50 | 158 | 125 | 4-Φ18 | 16.5 | 2 | 99 | PN16 |
| 65 | 170 | 270 | 173 | 65 | 180 | 145 | 4-Φ18 | 17 | 2 | 118 | |
| 80 | 180 | 292 | 173 | 80 | 196 | 160 | 8-Φ18 | 19 | 3 | 132 | |
| 100 | 190 | 333 | 200 | 100 | 215 | 180 | 8-Φ18 | 20 | 3 | 156 | |
| 125 | 200 | 384 | 230 | 125 | 250 | 210 | 8-Φ18 | 20 | 3 | 184 | |
| 150 | 210 | 420 | 230 | 150 | 280 | 240 | 8-Φ23 | 20 | 3 | 211 | |
| 200 | 230 | 512 | 270 | 200 | 336 | 295 | 12-Φ23 | 21 | 3 | 266 | |
| 250 | 250 | 602 | 350 | 250 | 405 | 355 | 12-Φ26 | 25 | 3 | 319 | |
| 300 | 270 | 705 | 350 | 300 | 460 | 410 | 12-Φ26 | 28 | 4 | 370 | |
| 350 | 290 | 782 | 450 | 350 | 520 | 470 | 16-Φ26 | 28 | 4 | 430 | |
| 400 | 310 | 880 | 480 | 400 | 580 | 525 | 16-Φ30 | 28 | 4 | 475 | |
| 500 | 350 | 1055 | 600 | 500 | 715 | 650 | 20-Φ34 | 29 | 4 | 580 | |
| 600 | 390 | 1260 | 600 | 600 | 840 | 770 | 20-Φ40 | 38 | 4 | 680 | |