

**Gate valve** is mainly used to connect and cut off the medium in the pipeline by rotating the stem. For installation in pipelines and water distribution networks, irrigation, sanitation systems. Used to close off pipes and facilitate work on the network of pipes.

Flange dimension: EN1092-2 / BS4504

Face to Face Length: DIN F4 / DIN F5 / BS 5163

## DESIGN FEATURES



### Features



- Use AkzoNobel material.
- Super Anti-corrosion
- Epoxy powder coating 200-250um,
- Baking varnish over 200°C,

| NO. |                |                  |
|-----|----------------|------------------|
| 1   | Body           | GGG50            |
| 2   | Dise           | GGG40+EPDM       |
| 3   | Wedge nut      | C48600           |
| 4   | Stem           | SS431            |
| 5   | Bonnet         | GT450-10         |
| 6   | Gasket         | EPDM             |
| 7   | Y-ring         | EPDM85-90        |
| 8   | Fix ring       | CuZn21Si3/C69300 |
| 9   | Thrust bearing | C69300           |
| 10  | Seal ring      | EPDM70           |
| 11  | O ring         | NBR              |
| 12  | Retainer ring  | POM              |
| 13  | Bushing ring   | POM              |
| 14  | Gland          | SS431            |
| 15  | Dustproof ring | EPDM85           |
| 16  | Dise core      | GGG40            |
| 17  | Bolt           | SS316            |





Free wedge nut, reduces the stem bending forces and at the same time enables it to be easily replaced.



The more compact new cap, reduces the water retention areas in order to reduce the risk of bacterial growth.



One piece stainless steel stem in for better resistance to axial load and to with stand higher operating torques.



Three locking tab for bayonet system prevents self-dismantling.



Dust guard integrating three O-ring shape, prohibiting the introduction of foreign bodies at the stem.



Male guiding system with composite sliding skate reduces the wear of the wedge against the body, allowing a smooth functionality and a longer life time of the valve.



Triple seal at the operating stem to ensure tightness with the test of time (2500 cycles).



New male composite sliding skate technology ensuring a low operating torque even under high differential pressure and preventing damage or corrosion generated by the friction.



# APPLICATION SCENARIO



Industrial water application



Power plant



Sea water desalination



Water treatment



Water supply and drainage



HAVC



Food and drug



Water transport





## COMPANY INFORMATION



I Business area: fluid control products, technology and environmental protection products.

II Advanced CNC machining centers, professional process cells, wide-range welding equipment, automatic assembly lines and coating.

III China's standard reference unit, to participate in the development of relevant valve industry standards.

IV We have set up a research and development center in Houston, Texas, in the United States.

V Product Standard: GB, German Standard, American Standard, TUV CE, ISO 9001, ADWO-2000, TS, PED, WRC WRAS, KTW, API 6D, API609.

VI Main production: butterfly valve, ball valve, gate valve, check valve, globe valves, pipe fittings, manual / pneumatic / electric actuator, valve parts.

01

21 years of professional experience

03

Independent research and development team  
28 top senior professional researchers

05

100% high level ex-factory inspection

07

2 years quality assurance, repair and replacement

4 factories

02

2 professional testing centers

04

High quality imported materials

06

# COMPANY QUALIFICATION





## COMPANY EXHIBITION



## Partners



## FAQ

**Q: If I need quotation, what informations do we need?**

A: Valves' materials, Temperature, Pressure, Medium, Applpication System.

**Q: Can you provide actuators, what you have?**

A: Pneumatic, Electric, Hrdraulic, Solenoid Valves. RKSfluid actuators adopt USA technology. Which you need, just tell us.

**Q: What's your productive capacity?**

A: RKSfluid has four plants that can provide the products you need.

**Q: Production lead time**

A: Normal products have stock in 2~5 working days. Customized base on your need.

**Q: MOQ**

A: 1pc for all products.

**Q: How about the quality assurance?**

A: 100% quality test before delivery, 2 years warranty. Ensure your system working safety.

We got TUV, API, WRAS, CE, ISO certification.

Standard conform to DIN, ASME, BS EN, JIS, API, AWWA.

**Q: How could you provide quality service to our customers?**

A: RKSfluid own 20 years experiences and more than 70 R&D engineers provide technical support, model selection and installation guidance for you.