




G12

Resilient Seat Gate Valve
Rising Stem F4

Product Description

DENZ-G12 Resilient Seated Rising Stem Gate Valves are made of premium materials and has a special coating that can be rotated clockwise or counter-clockwise. Suitable for domestic water system, water supply and drainage system, sewage treatment system, chemical fluid transportation systems. It can be used as a cut-off device on fluid pipelines in construction, urban environmental protection, petrochemical, pharmaceutical, food, metallurgy, textile, power and other industries.



Application Areas

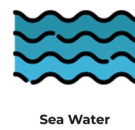
- Potable water
- Waste water
- Water treatment and distribution systems
- Mining industry
- Food and chemical enterprises
- HVAC
- Power plants

Operation Versions

- Handwheel
- Bare shaft
- Operation cap
- ISO top flange
- Gearbox and hanwheel
- Gearbox and top flange
- Electrical actuator

Production References

Size Range	DN50 – DN300
Pressure Range	PN10/16/25
Temperature	-10°C to +80°C (EPDM Sealed)
Face to face	EN558 Series 14 / DIN 3202 F4
Design	EN 1171 / EN 1074
Connection	Flanged - EN1092-2
Coating	Electrostatic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19

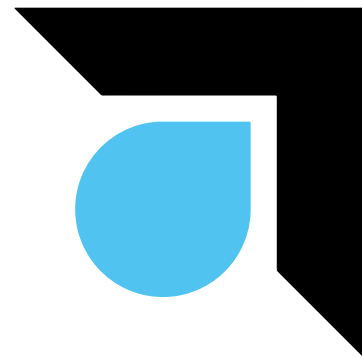




Product Features

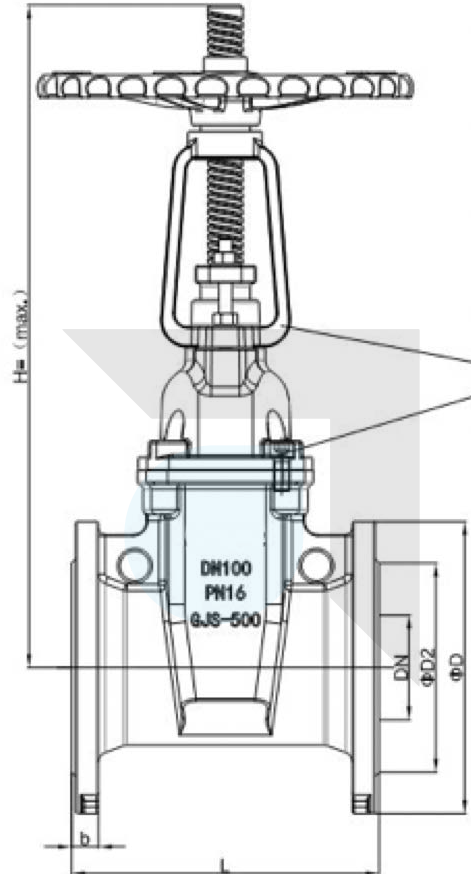


- Ductile iron body and bonnet for high strength and impact resistance
- Ductile iron gate fully encapsulated in EPDM elastomer to ensure drop tight sealing
- Fully EPDM or NBR vulcanised wedge maintains a complete block of flow and can absorb small particles in the flow.
- Higher durability is ensured by multi-stem O-rings that do not require maintenance and are corrosion-resistant.
- There is no corrosion risk associated with isolated bonnet nuts
- It is possible to use it in both directions. The valve can be installed horizontally or vertically with a variety of flow directions
- AISI420 stainless steel spindle for high strength and corrosion resistance
- Design of a valve that does not require maintenance
- Back seal facility to allow for replacement of seals under full operating pressure
- The precise machined stem ensures a low torque requirement during operation due to the precision of the stem.
- Potable water applications are available with WRAS-approved coating upon request.
- It is easier to transport and install large valves with balanced lifting holes on the body.
- Fusion bonded epoxy coating for long life corrosion protection
- Straight through full bore to avoid debris traps
- Isolated fasteners for corrosion protection
- Anti-friction thrust washer for low operating torques
- Integral cast-in feet for safe and easy storage
- Direction of closure
 - o Anticlockwise closing or clockwise closing available
 - o Clockwise closing available
- 100% of the valves are subjected to Hydrostatic tests according to EN 12266-1. Pressure for seat: PN x 1.1 , for shell: PN x 1.5



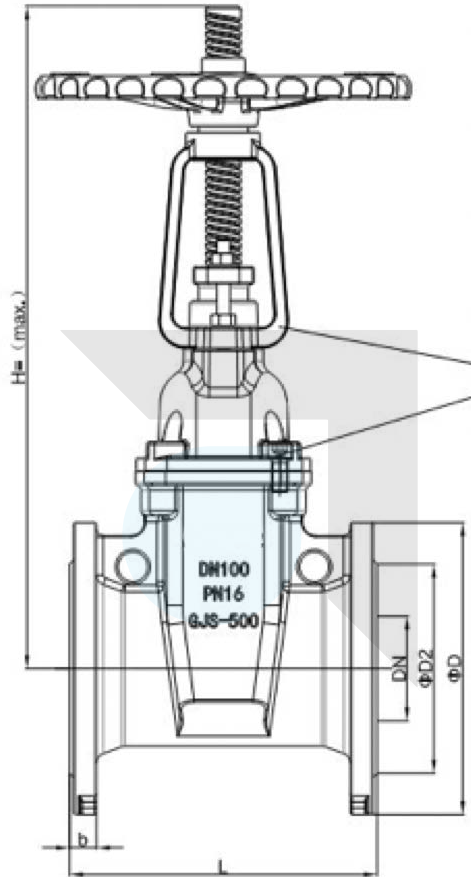


Materials



Part	Material
Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
Bonnet	Ductile Iron EN-GJS-400/500 (GGG40/50)
Yoke	Ductile Iron EN-GJS-400/500 (GGG40/50)
Gland	Ductile Iron EN-GJS-400/500 (GGG40/50)
Stem Nut	Brass MS58 / Bronze
Handwheel	Ductile Iron EN-GJS-400/500 (GGG40/50)
Nut	Stainless Steel AISI304
Bolt	Stainless Steel AISI304
Disc	EPDM Coated Ductile Iron
Stem	Stainless Steel AISI 420 / 304 / 316

Dimensions



DN	D	D2	I*n	b	L	H
50	150	90	19*4	18	178	373
65	165	103	19*4	18	190	379
80	185	122	19*8	18	203	450
100	178	154	19*8	20	229	484
150	280	211	23*8	23	267	634
200	335	268	23*8	23	292	779
250	405	328	23*12	24	330	932
300	455	378	23*12	30	356	1071

Units: mm / indicative dimensions & weights