



Product Description

DENZ-G14 Non-Rising Stem Metal Seated Gate Valve is manufactured to meet the requirements of the water, wastewater, and sewage industries, as well as for use in heating and marine applications. The primary purpose of using this valves is for purposes of isolation. Due to the two sided brass/bronze surface of the seat on the wedge, it is possible to use it in either direction. With each opening of the valve, the fluid releases the dirt from the sealing surface.



Application Areas

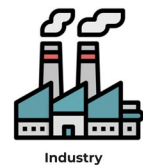
- Hot & cold water systems
- High pressure applications
- Waste water applications
- Liquid fuel installation
- Systems excluding acid & non-flammable fluids

Operation Versions

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

Production References

Size Range	DN50 - DN800
Pressure Range	PN10/16/25
Temperature	-10°C to +80°C (EPDM Sealed)
Face to face	EN558 Series 15 / DIN 3202 F5
Design	EN 1171 / EN 1074
Connection	Flanged - EN1092-2
Coating	Industrial Spray Epoxy
Testing	EN 12266-1
Marking	EN 19

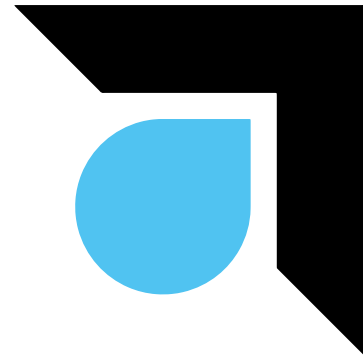




Product Features

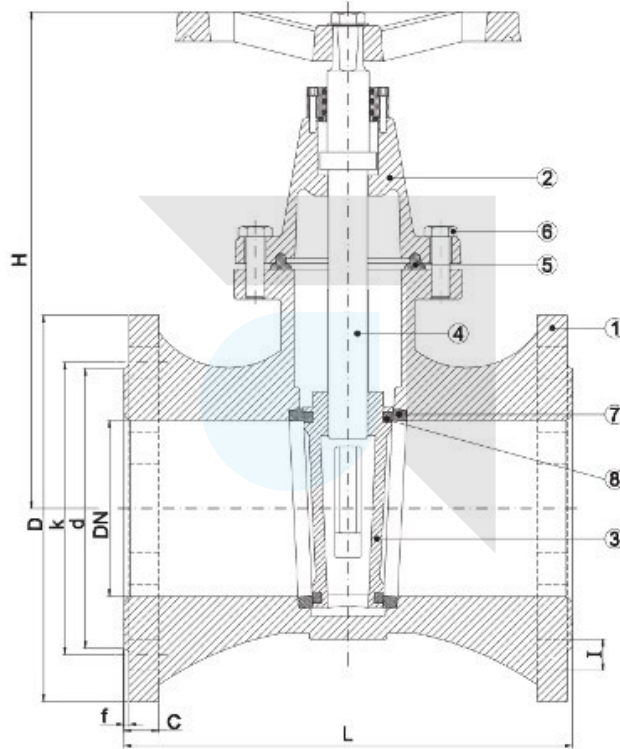


- G14 metal seated gate valve is designed as F5 non-rising stem
- Ductile iron body and bonnet for high strength and impact resistance
- It is possible to use it in both directions. The valve can be installed horizontally or vertically with a variety of flow directions
- Precisely machined brass/bronze seats on the wedge assures tight closure
- Wedges made from brass or bronze provide fixation for stems and allow low torques to be applied
- Stainless steel stem insulates high strength and corrosion resistance
- Design of the valve that does not require maintenance
- The precise machined stem ensures a low torque requirement during operation due to the precision of the stem.
- It is easier to transport and install large valves with balanced lifting holes on the body.
- 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





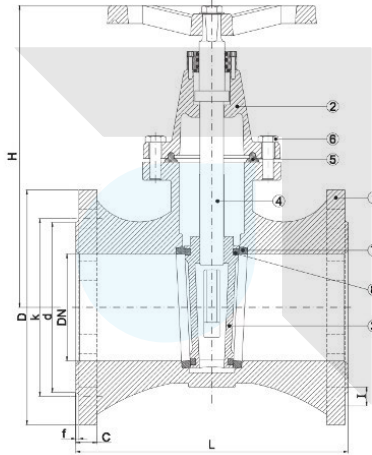
Materials



No	Part	Material
1	Body	Ductile Iron EN-GJS-400/500 (GGG40/50)
2	Bonnet	Ductile Iron EN-GJS-400/500 (GGG40/50)
3	Gate	DN50-100: MS58
		DN125-350: GGG50
4	Stem	Stainless Steel AISI 420 / 304 / 316
5	Bonnet Seal	EPDM
6	Bonnet Bolts	8.8 Galvanized Steel
7	Body Bearing	MS58 Brass / Bronze
8	Wedge Bearing	MS58 Brass / Bronze



Dimensions



DN	PN	D	k	d	f	C	I*n	L	H	KG
50	10-16-25	165	125	99	3	20	19x4	250	210	14,5
65	10-16-25	185	145	118	3	20	19x4	270	230	18
80	10-16-25	200	160	132	3	22	19x8	280	255	21
100	10-16	220	180	156	3	24	19x8	300	300	27
100	25	235	190	156	3	28	23x8	300	300	30
125	10-16	250	210	184	3	26	19x8	325	350	44
125	25	270	220	184	3	30	28x8	325	350	48
150	10-16	285	240	211	3	26	23x8	350	410	59
150	25	300	250	211	3	34	28x8	350	410	66
200	10	340	295	266	4	26	23x8	400	480	90
200	16	340	295	266	4	30	23x12	400	480	90
200	25	360	310	274	4	34	28x12	400	480	98
250	10	395	350	319	4	28	23x12	450	600	140
250	16	405	355	319	4	32	28x12	450	600	140
250	25	425	370	330	4	36	31x12	450	600	154
300	10	445	400	370	4	28	23x12	500	690	206
300	16	460	410	370	4	32	28x12	500	690	206
300	25	485	430	389	4	40	31x16	500	690	226
350	10	505	460	429	4	30	23x16	550	900	249
350	16	520	470	429	4	36	28x16	550	900	
249	25	555	490	448	4	44	34x16	290	900	238
350	25	555	490	448	4	44	34x16	550	900	273
400	10	565	515	480	4	32	28x16	600	960	418
400	16	580	525	480	4	38	31x16	600	960	418
400	25	620	550	503	4	48	37x16	600	960	460

Units: mm / indicative dimensions & weights