G13
Metal Seated Gate Valve
Non-Rising Stem F4



Product Description

DENZ-G13 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

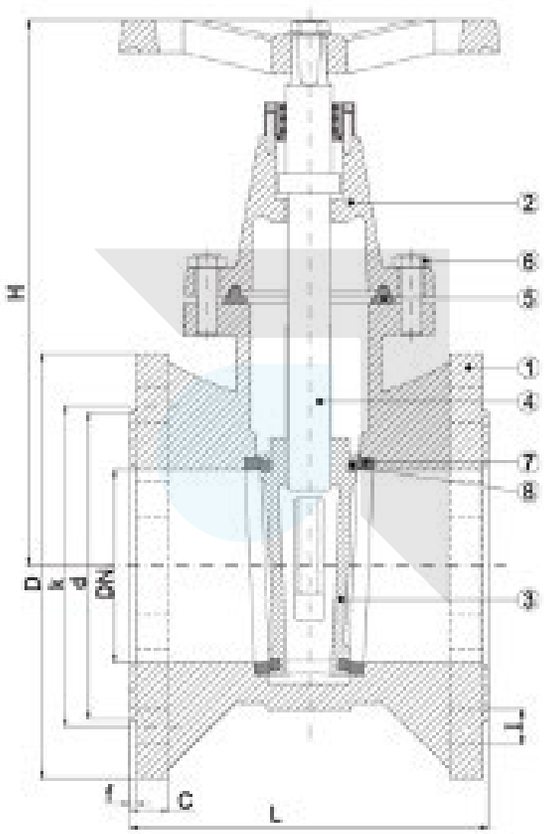
Production References	
Size Range	DN50 – DN400
Pressure Range	PN10/16/25
Temperature	-10°C to +80°C (EPDM Sealed)
Face to face	EN558 Series 14 / DIN 3202 F4
Design	EN 1171 / EN 1074
Connection	Flanged - EN1092-2
Coating	Industrial Spray Epoxy
Testing	EN 12266-1
Marking	EN 19



Product Features

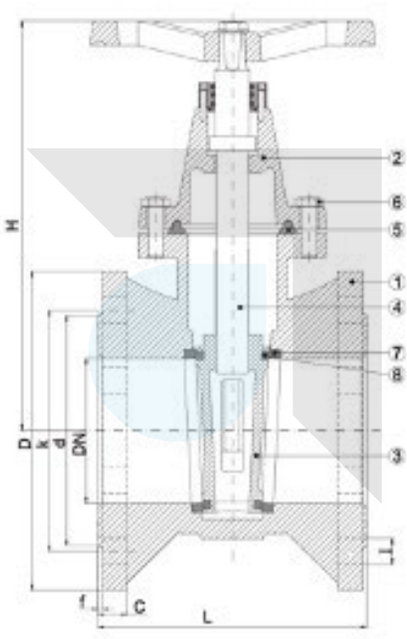
- G13 metal seated gate valve is designed as non-rising stem F4
- Ductile iron body and bonnet for high strength and impact resistance
- It is possible to use it in both directions. The valve can be installed horizontally or vertically with a variety of flow directions
- Precisely machined brass/bronze seats on the wedge assures tight closur
- Wedges made from brass or bronze provide fixation for stems and allow low torques to be applied
- Stainless steel stem inosculates 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
  - Anticlockwise closing or clockwise closing available
  - 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
8	Wedge Bearing	MS58 Brass

Dimensions



DN	PN	D	k	d	f	C	l*n	L	H	KG
50	10-16-25	165	125	99	3	20	19x4	150	210	12
65	10-16-25	185	145	118	3	20	19x4	170	230	16
80	10-16-25	200	160	132	3	22	19x8	180	255	19
100	10-16	220	180	156	3	24	19x8	190	300	24
100	25	235	190	156	3	28	23x8	190	300	27
125	10-16	250	210	184	3	26	19x8	200	350	38
125	25	270	220	184	3	30	28x8	200	350	42
150	10-16	285	240	211	3	26	23x8	210	410	50.5
150	25	300	250	211	3	34	28x8	210	410	57.5
200	10	340	295	266	4	26	23x8	230	480	79.5
200	16	340	295	266	4	30	23x12	230	480	79.5
200	25	360	310	274	4	34	28x12	230	480	88
250	10	395	350	319	4	28	23x12	250	600	118
250	16	405	355	319	4	32	28x12	250	600	118
250	25	425	370	330	4	36	31x12	250	600	130
300	10	445	400	370	4	28	23x12	270	690	165
300	16	460	410	370	4	32	28x12	270	690	165
300	25	485	430	389	4	40	31x16	270	690	181
350	10	505	460	429	4	30	23x16	290	900	217
350	16	520	470	429	4	36	28x16	290	900	217
350	25	555	490	448	4	44	34x16	290	900	238

Units: mm / indicative dimensions & weights