

# V155

## METAL SEATED GATE VALVE



### Product Description

TVN V155 Non-Rising Stem Metal Seated Gate Valves are designed and manufactured for use in water, waste water, and sewage as well as heating & marine applications. Main usage is for isolation purposes. Having two sided brass/bronze seat surfaces on wedge makes it possible to be used bi-directionally. The fluid cleans the sealing surface area every time the valve is opened.



Technical Data	
Size range	DN40 - DN350
Pressure range	PN10 -16 - 25 - 40
Temperature	-10°C to +130 °C
Design	EN 1171
Face to face	EN 558 Series 14
Flange drilling	EN 1092 - 2 ISO 7005 - 2
Coating	Spray / Electrostatic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19
Operation	Gearbox
	Hand wheel
	Electrical actuators

### Application Range

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

### Related Products

- VG202 Tilting Check Valve
- V251 Dismantling Joint
- V702 Y-Strainer



POTABLE WATER



WASTE WATER



INDUSTRY

# V155

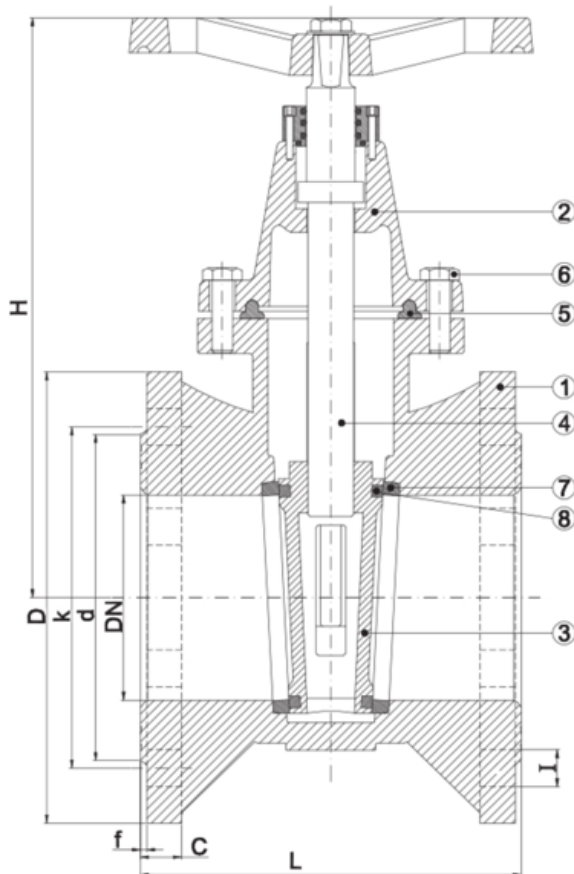
## METAL SEATED GATE VALVE



### Product Features

- V155 model is Non-Rising Stem (NRS) type.
- GGG40/50 Ductile Iron body & wedge
- With Full Bore design, ensures minimized pressure loss and increased energy efficiency
- Maintenance free valve design
- Precisely machined brass/bronze seats on the wedge assures tight closure
- Stainless steel stem with threads for high strength
- Maintenance-free and corrosion-resistant multi stem O-rings ensures higher durability
- Brass/bronze wedge nut provides fixation of the stem and low torques.
- Bidirectional use. Possible to install on horizontal and vertical pipelines with varied flow directions
- With precise machined stem, ensures low torque requirements during operation
- Serial coating is with high temperature resistant spray epoxy. FBE powder epoxy coating is optional
- WRAS approved coating available upon request which meets hygienic requirements for potable water applications
- For big size valves, balanced positioned lifting holes on the body ease transportation and installation
- Suitable for shut-off and isolation purposes. Not suitable for regulation purposes
- Electrical actuator connection is done with an intermediate top flange arrangement
- Can be operated with handwheel, gearbox, actuator and extension spindle

### Material List



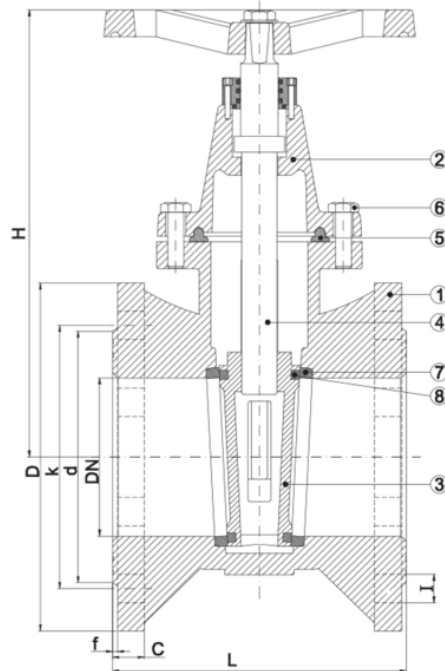
No	Part	Material
1	Body	GGG50 Ductile Iron
2	Bonnet	GGG50 Ductile Iron
3	Gate	DN50-100: MS58 DN125-350: GGG50
4	Stem	AISI 420 Stainless Steel
5	Bonnet Seal	EPDM
6	Bonnet Bolts	8.8 Galvanized Steel
7	Body Bearing	MS58 Brass
8	Wedge Bearing	MS58 Brass

# V155

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### Dimensions Table



DN	PN	D	k	d	f	C	Ø-Q-ty	L	H	KG
50	10-16-25	165	125	99	3	20	Ø19x4	150	210	12
65	10-16-25	185	145	118	3	20	Ø19x4	170	230	16
80	10-16-25	200	160	132	3	22	Ø19x8	180	255	19
100	10-16	220	180	156	3	24	Ø19x8	190	300	24
100	25	235	190	156	3	28	Ø23x8	190	300	27
125	10-16	250	210	184	3	26	Ø19x8	200	350	38
125	25	270	220	184	3	30	Ø28x8	200	350	42
150	10-16	285	240	211	3	26	Ø23x8	210	410	50.5
150	25	300	250	211	3	34	Ø28x8	210	410	57.5
200	10	340	295	266	4	26	Ø23x8	230	480	79.5
200	16	340	295	266	4	30	Ø23x12	230	480	79.5
200	25	360	310	274	4	34	Ø28x12	230	480	88
250	10	395	350	319	4	28	Ø23x12	250	600	118
250	16	405	355	319	4	32	Ø28x12	250	600	118
250	25	425	370	330	4	36	Ø31x12	250	600	130
300	10	445	400	370	4	28	Ø23x12	270	690	165
300	16	460	410	370	4	32	Ø28x12	270	690	165
300	25	485	430	389	4	40	Ø31x16	270	690	181
350	10	505	460	429	4	30	Ø23x16	290	900	217
350	16	520	470	429	4	36	Ø28x16	290	900	217
350	25	555	490	448	4	44	Ø34x16	290	900	238