

V151

RESILIENT SEATED GATE VALVE NRS F4



Product Description

TVN V151 Resilient Seated Gate Valves are designed to last long years of operation in many conditions. With its bolted bonnet structure, EPDM covered wedge and hygienic coating, ready to meet the demand for potable water & sewage applications.



Technical Data	
Size range	DN50 - DN800
Pressure range	PN10 - 16 - 25
Temperature	EPDM : -10°C to +80 °C NBR: - 10°C to + 70°C
Design	EN 1171/ EN 1074
Face to face	EN 558 Series 14 / DIN 3202 F4
Flange drilling	EN 1092-2 ISO 7005-2 Flanged
Coating	Thermoplastic Powder Epoxy
Testing	EN 12266-1
Marking	EN 19
Operation	Handwheel
	Operation Cap
	Manual gearbox with handwheel
	Electrical Actuators

Application Range

- Potable water applications
- Waste water
- Water treatment and distribution systems
- Mining industry
- Shipbuilding and drilling facilities
- Chemical and petrochemical plants
- Food and chemical enterprises
- Oil and gas processes
- HVAC

Related Products

- V251 Dismantling Joint
- V991 Surface Box
- V993 Extension Spindle
- V851 Y-Strainer
- V301 Air Release Valve
- V651 Rubber Expansion Joint
- V201 Swing Check Valve



POTABLE WATER



WASTE WATER



INDUSTRY



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Product Features

- GGG40/50 Ductile Iron Body & Disc allows high impact and stretching resistance
- With Full Bore design, ensures minimized pressure loss and increased energy efficiency
- Maintenance free valve design
- Fully EPDM vulcanised wedge maintains full stop of flow and can absorb smaller particulates in the flow. (NBR coated wedge is optional)
- Stainless steel stem with threads for high strength
- Maintenance-free and corrosion-resistant multi stem O-rings ensures higher durability
- Brass wedge nut provides fixation of the stem and low torques.
- With isolated bonnet nuts, no risk of corrosion
- Bidirectional use. Possible to install on horizontal and vertical pipelines with varied flow directions
- Fixed wedge structures prevents vibration
- With precise machined stem, ensures low torque requirements during operation
- Full coating on the body and disc internally & externally with an average of 250 microns. Higher coating thicknesses are available when required.
- 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 vacuum conditions
- Suitable for shut-off and isolation purposes. Not suitable for regulation purposes
- Electrical actuator connection is done with an intermediate top flange arrangement
- Suitable to use with above-underground applications. Can be operated with handwheel, gearbox, actuator and spindle.
- Hydrostatic test pressure for seat: PN x 1.1 , for shell: PN x 1.5 according to EN 12266-1.

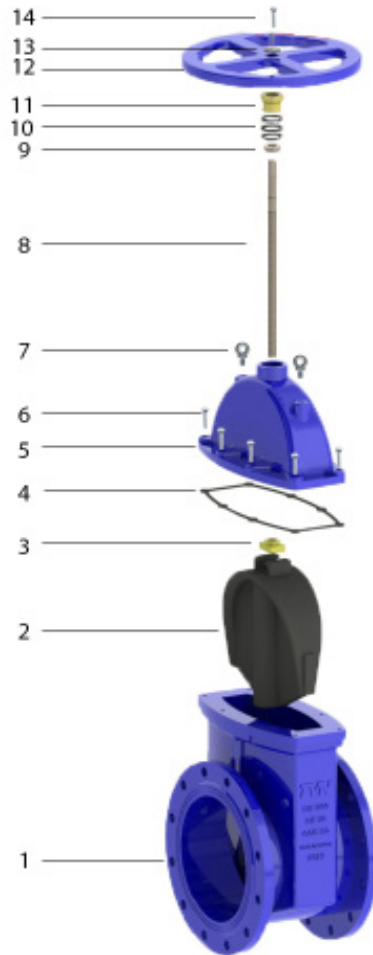


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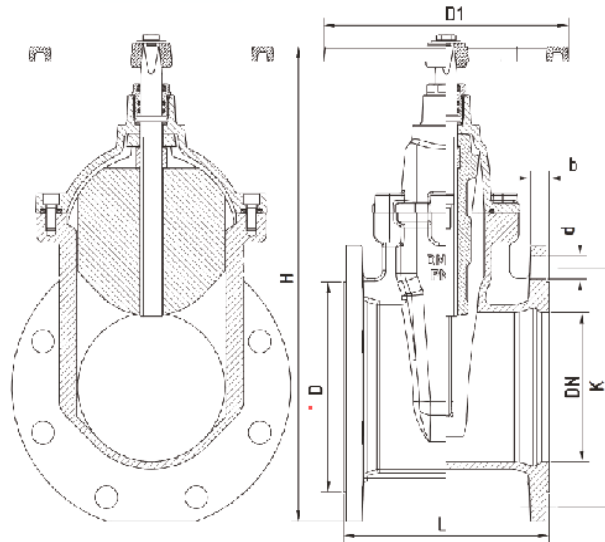


Material List



NO	Part	Material
1	Body	GGG50 Ductile Iron
2	Wedge	EPDM/NBR Coated GGG50 Ductile Iron
3	Wedge Nut	MS 58 Brass
4	Bonnet Sealing	EPDM
5	Bonnet	GGG50 Ductile Iron
6	Bonnet Bolt	8.8 Galvanized Steel / A2/A4 Stainless Steel
7	Lifting Lug	8.8 Galvanized Steel / A2/A4 Stainless Steel
8	Stem	AISI 420/304/316/316L Stainless Steel
9	Nut	AISI 420/304/316/316L Stainless Steel
10	O-Ring	EPDM/NBR
11	Stem Nut	Galvanized Steel / MS 58 Brass
12	Handwheel	GGG50 Ductile Iron
13	Washer	8.8 Galvanized Steel / A2/A4
14	Bolt	8.8 Galvanized Steel / A2/A4

Dimensions Table



Size	PN	L	D	D1	D2	b	n-d	H	W	W.T(kg)
DN40	10-16	140	150	110	84	19	4XØ19	240	160	10
DN50	10-16	150	165	125	99	19	4XØ19	250	160	13
DN65	10-16	170	185	145	118	19	4XØ19	265	180	19
DN80	10-16	180	200	160	132	19	8XØ19	300	200	18
DN100	10-16	190	220	180	156	19	8XØ19	350	200	21
DN125	10-16	200	250	210	184	19	8XØ19	410	220	31
DN150	10-16	210	285	240	211	19	8XØ23	450	250	39
DN200	10	230	340	295	266	20	8XØ23	550	280	62
DN200	16	230	340	295	266	20	12XØ23	550	280	62
DN250	10	250	405	350	319	22	12XØ23	650	320	102
DN250	16	250	405	355	319	22	12XØ28	650	320	102
DN300	10	270	460	400	470	24.5	12XØ23	710	360	141
DN300	16	270	460	410	370	24.5	16XØ28	710	350	141
DN350	10	290	505	460	429	24.5	16XØ23	785	500	230
DN350	16	290	520	470	429	26.5	16XØ28	785	500	230
DN400	10	310	565	515	480	24.5	16XØ28	915	500	287
DN400	16	310	580	525	480	28	16XØ31	915	500	287
DN500	10	350	670	620	582	26.5	20XØ28	1060	500	445
DN500	16	350	715	650	609	31.5	20XØ34	1060	500	445
DN600	10	390	780	725	682	30	20XØ31	1220	500	590
DN600	16	390	840	770	720	36	20XØ37	1220	500	590

*The dimensions might be indicative. TVN Company has the right to change the design of the valves without any notification.