

# 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 +130 °C NBR: - 10°C to + 100 °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

# V151

## RESILIENT SEATED GATE VALVE NRS F4



### 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.

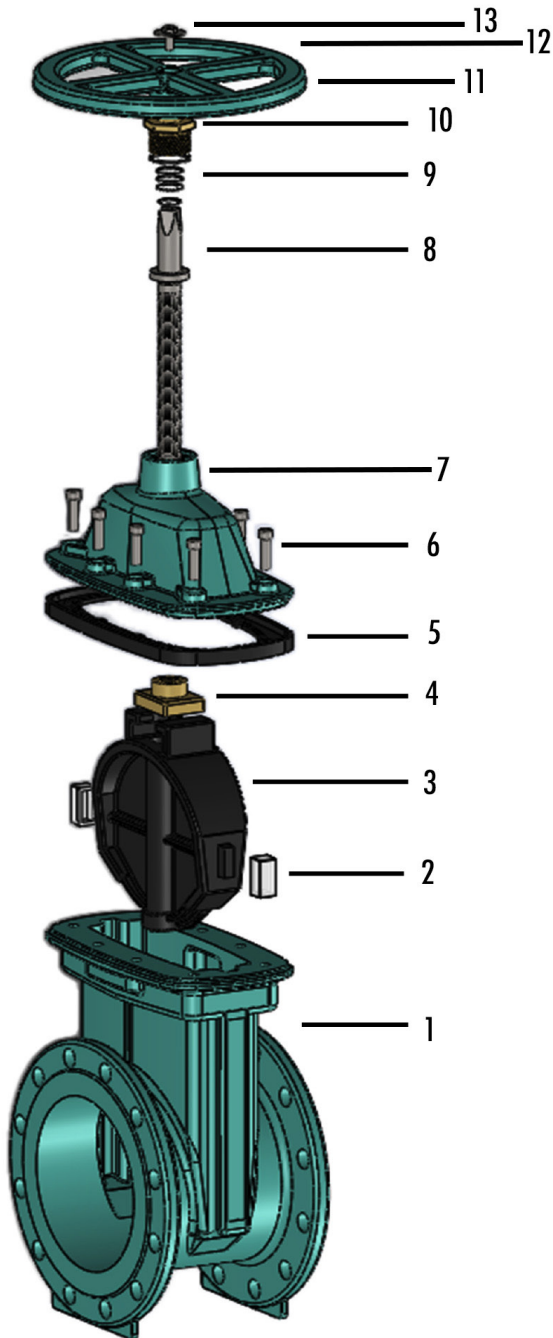


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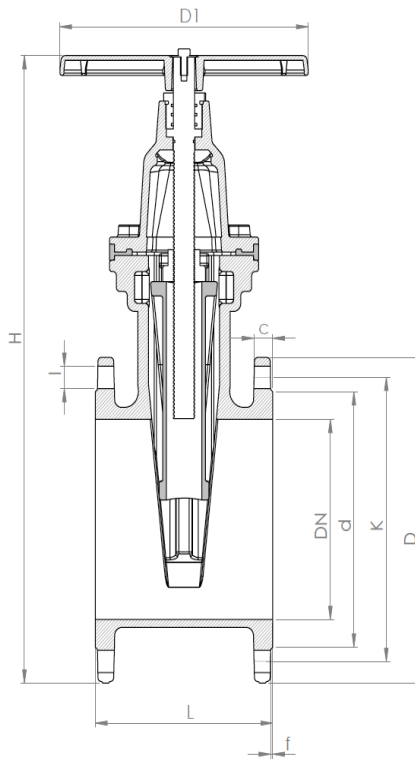


### Material List



NO	Part	Material
1	Body	GGG50 Ductile Iron
2	Guide	Polyamide
3	Wedge	EPDM/NBR Coated GGG50
4	Wedge Nut	Galvanized Steel / MS58 Brass
5	Bonnet Sealing	EPDM / NBR
6	Bonnet Bolt	8.8 / A2 / A4
7	Bonnet	GGG50 Ductile Iron
8	Stem	AISI420 / 304 / 316 / 316L
9	O-Ring	EPDM / NBR
10	Stem Nut	MS58 Brass
11	Handwheel	GGG50 / ST37
12	Bolt	8.8 / A2 / A4
13	Washer	8.8 / A2 / A4

### Dimensions Table



PN10									
DN	f	D	K	d	C	I*n	L	H	D1
50	3	165	125	99	19	19*4	150	300	180
65	3	185	145	118	19	19*4	170	340	180
80	3	200	160	132	19	19*8	180	380	180
100	3	220	180	156	19	19*8	190	420	220
125	3	250	210	184	19	19*8	200	480	220
150	3	285	240	211	19	23*8	210	550	250
200	3	340	295	266	20	23*8	230	640	250
250	3	405	350	319	22	23*12	250	780	350
300	4	460	400	370	24,5	23*12	270	850	350
350	4	505	460	429	24,5	23*16	290	910	400
400	4	565	515	480	24,5	28*16	310	960	400
450	4	640	565	530	26,5	28*20	330	1010	500
500	4	670	620	582	26,5	28*20	350	1120	500
600	5	780	725	682	30	31*20	390	1200	600

PN16									
DN	f	D	K	d	C	I*n	L	H	D1
50	3	165	125	99	19	19*4	150	300	180
65	3	185	145	118	19	19*4	170	340	180
80	3	200	160	132	19	19*8	180	380	180
100	3	220	180	156	19	19*8	190	420	220
125	3	250	210	184	19	19*8	200	480	220
150	3	285	240	211	19	23*8	210	550	250
200	3	340	295	266	20	23*12	230	640	250
250	3	405	355	319	22	28*12	250	780	350
300	4	460	410	370	24,5	28*12	270	850	350
350	4	520	470	429	26,5	28*16	290	910	400
400	4	580	525	480	28	31*16	310	960	400
450	4	640	585	548	30	31*20	330	1010	500
500	4	715	650	609	31,5	34*20	350	1120	500
600	5	840	770	720	36	37*20	390	1200	600

PN25									
DN	f	D	K	d	C	I*n	L	H	D1
50	3	165	125	99	19	19*4	150	300	180
65	3	185	145	118	19	19*4	170	340	180
80	3	200	160	132	19	19*4	180	380	180
100	3	235	190	156	19	23*8	190	420	220
125	3	270	220	184	19	28*8	200	480	250
150	3	300	250	211	20	28*8	210	550	250
200	3	360	310	274	22	28*12	230	640	350
250	3	450	370	330	24,5	31*12	250	780	400
300	4	485	430	389	27,5	31*12	270	850	400
350	4	555	490	448	30	34*16	290	910	400
400	4	620	550	503	20	37*16	310	970	400
450	4	670	600	548	34,5	37*20	330	1020	500
500	4	730	660	609	36,5	37*20	350	1140	500
600	5	845	770	720	42	41*20	390	1220	600