SOCKET-END GATE VALVE



Product Description

TVN V159 Socket-end Resilient Seated Gate Valves are designed to last long years of operation in many conditions especially for PVC pipelines. 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 - DN300						
Pressure range:	PN10-16						
Temperature:	EPDM: -10°C to +120 °C NBR: -10°C to +85 °C						
Design	EN 1171 / EN 1074						
Face to face:	ISO 5752 Series 15						
Connection Standard	ISO 4422 Socket-end						
Coating:	Electrostatic Powder Epoxy						
Testing:	EN 12266-1						
Marking:	EN 19						
Operation	Extension Spindle						
	Hand wheel						

Application Range

- Potable water
- Water distribution and piping
- Treated sewage effluent
- Water treatment plants
- **Tanks**

Related Products

- V201 Swing Check Valve
- V993 Extension Spindle
- V991 Surface Box for Valve
- V304 Air Release Valve
- **Operation Cap**















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Product Features

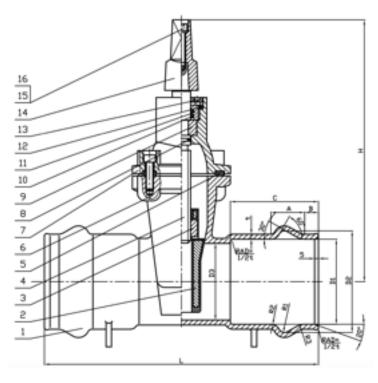
- GG40/50 Ductile Iron Body & Disc allows high impact and stretching resistance
- With Full Bore design, ensures minimized pressure loss and increased energy efficiency
- Maintenance free valve design
- Fully EPDM vulcanized wedge maintains full stop of flow and can absorb smaller particles in the flow. (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



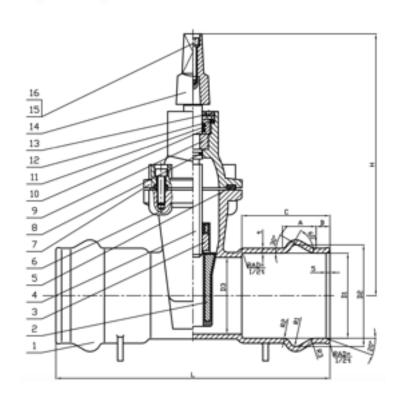
No	Part	Material					
1	Body	GGG40/50 Ductile Iron					
2	Wedge	NBR/EPDM coated Ductile Iron					
3	Stem Nut	Brass					
4	Stem Nut	AISI 420 Stainless Steel					
5	Gasket	NBR / EPDM					
6	Bonnet	GGG40/50 Ductile Iron					
7	Bonnet Bolt	Steel					
8	O-Ring	NBR / EPDM					
9	Locating Ring	Brass					
10	O-Ring	NBR / EPDM					
11	Bonnet Nut	Brass					
12	Minipad	PTFE					
13	Dust Ring	Nylon					
14	Cap	GGG40/50 Ductile Iron					
15	Washer	Steel					
16	Bolt	Steel					

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Product Features



DN	D1	D2	D3	D4	R1	R2	R3	Α	В	C	t	L	Н
50/63	63.8	80.2	55	18	5	8	16	32	15	90	6	335	223
65/75	75.8	94.1	65	20	5.5	9	18	35.7	15	110	6	335	248
80/90	90.9	110.9	80	20	6	10	19	39	17	110	6	335	274
100/110	111	132.7	100	20	6.5	12	21	43.1	18	110	7	355	307
125/140	141.1	164.5	125	24	6.97	15	24	48	20	120	7	405	362
150/160	161.2	186.2	150	24	7.5	17	27	52	22	120	7	405	400
200/200	201.4	227.8	178	26	8	18	30	56	24	135	7.5	450	487
225/225	227	255	200	26	8.5	18.5	30.5	58	26	135	8	450	573
250/250	251.7	282.8	228	28	9	23	37	66.5	27	150	8.5	500	661
280/280	282	312	250	28	10	20	65	72	27	150	8.5	500	733
300/315	317	351.5	300	32	10.5	24	55.7	77.5	30	170	8.5	550	810