

Resilient Seated Gate Valve – Large Diameter

PN10/16 Temp -20°C to 70°C DN350 to DN600

- ✓ Low Torque Thrust Collar
- ✓ Security Seal Wedge
- ✓ Integral Low Friction Guides
- ✓ Superior Rubber Technology Exceeds EN681-1
- ✓ High Grade Valve Construction ZERO Maintenance – ‘Valve for Life’
- ✓ Low torque stainless steel ‘Ball Race Thrust Collar’
- ✓ Wedge ductile iron GGG50, encapsulated with EPDM. Low friction guides integrally vulcanized for security.
- ✓ Ductile iron body & bonnet – Coated 250 μm FBE. Body/bonnet bolts stainless steel, sealed with hot melt.
- ✓ Stern ‘O’ rings replaceable under pressure

Available with a wide range of operating gear and actuation including cap top & handwheel.



Bypass Option Available

Technical information

Valve design, testing & certified materials for potable water as required by:



Manufacture

BS EN ISO 9001:2008 QMS,
ISO 14001:2004 EMS.

Design Standard

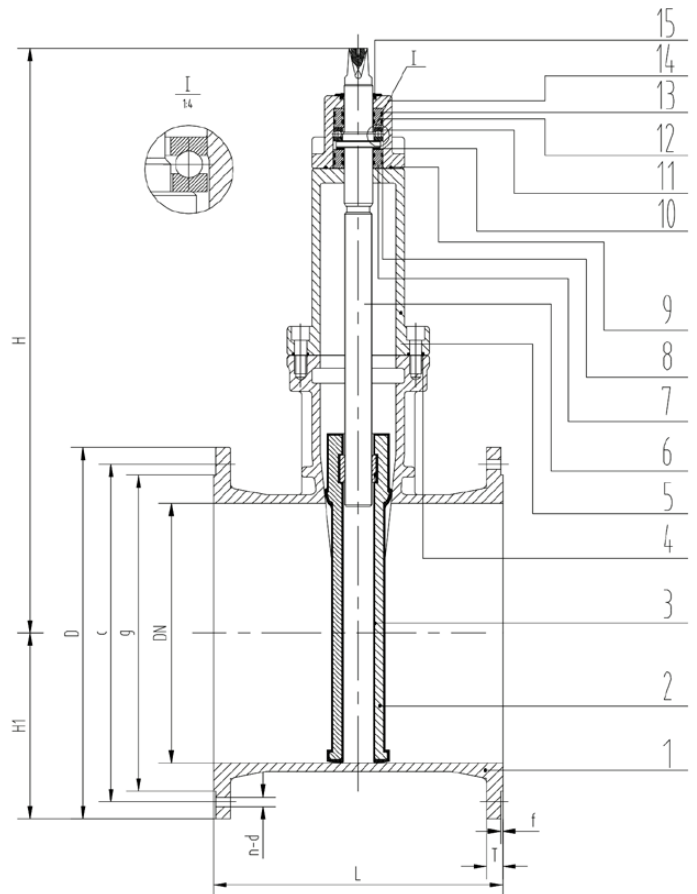
BS EN1171 Cat 3 & 4,
BS EN 1074 pt 1 & 2,
BS 5163-pt 1, Type A & B,
DIN 3352-pt 1 & 4,
EN558-1 basic series 3, 14, 15.

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Materials List

No.	PART NAME	MATERIAL DESCRIPTION
1	BODY	DUCTILE IRON GGG50 COATED 250 µm FBE
2	WEDGE	DUCTILE IRON GGG50 ENCAPSULATED WITH EPDM
3	STEM NUT	ALUMINIUM BRONZE ZCuAl10Fe3
4	MIDDLE GASKET	EPDM
5	BONNET	DUCTILE IRON GGG50 COATED 250 µm FBE
6	STEM	STAINLESS STEEL 1.4021
7	BUSH	ALUMINIUM BRONZE ZCuAl10Fe3
8	'O' RING	NBR
9	SEAL RING	NBR
10	WASHER	POM
11	BALL RACE	HIGH TENSILE STEEL
12	BUSH	ALUMINIUM BRONZE ZCuAl10Fe3
13	'O' RING	NBR
14	GLAND	DUCTILE IRON GGG50 COATED 250 µm FBE
15	DUSTSEAL	NBR



Dimensions table

DN (mm)	L (mm)			H1 (mm)		H (mm)	Flange dimensions comply with EN1092-2										
	F4	F5	BS5163	1.0 Mpa	1.6 Mpa		D		c		g		f	T		n-d	
							1.0 Mpa	1.6 Mpa	1.0 Mpa	1.6 Mpa	1.0 Mpa	1.6 Mpa		1.0 Mpa	1.6 Mpa		
350	290	550	381	252.5	260	870	505	520	460	470	429		4	24.5	26.5	16-23	16-28
400	310	600	406	282.5	290	1010	565	580	515	525	480	489	4	24.5	28	16-23	16-31
450	330	650	432	307.5	320	1080	615	640	565	585	530	548	4	25.5	30	20-28	20-31
500	350	700	457	335	357.5	1180	670	715	620	650	582	609	4	26.5	31.5	20-28	20-34
600	390	800	508	390	420	1345	780	840	725	770	682	720	5	30	36	20-31	20-37

Severn Utilities Valves reserves the right to change product design and specification without notice