



The Guiding Light

V A L V E S

PRODUCT
CATALOGUE

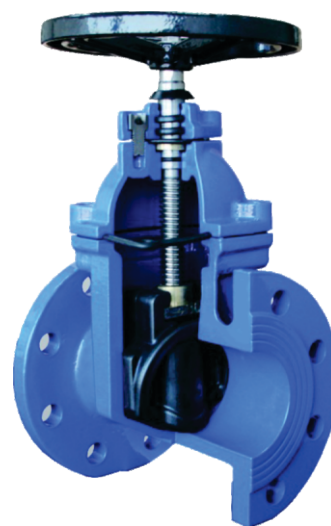
RESILIENT SEATED GATE VALVE

Resilient Seated Gate Valve

SPECIFICATION

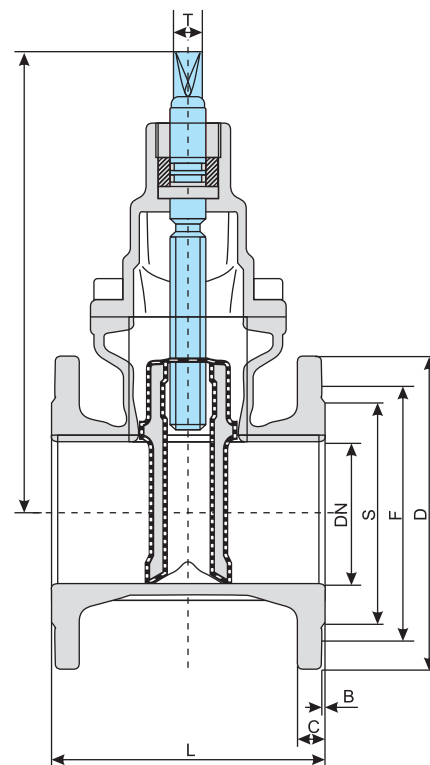
DN	mm	40~600	
Standard Pressure	Mpa	1.0Mpa	1.6Mpa
Body Test Pressure	Mpa	1.5Mpa	2.4Mpa
Sealing Test Pressure	Mpa	1.1Mpa	1.76Mpa
Application Temperature		≤80°C	
Medium		Portable Water	
Key Material		GGG/SG	

(Also available in PN25 on request)



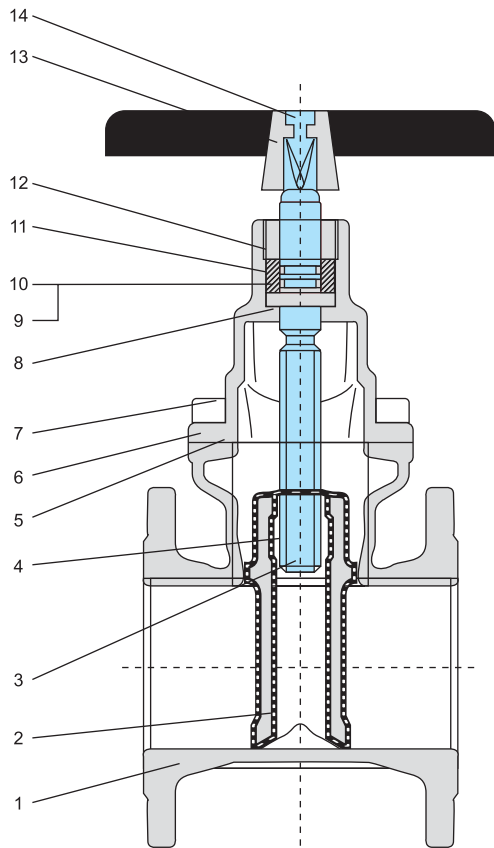
BS SERIES

DN	H	T	BS5163	EN1092										
				D		F		S		B	C		N-d	
				1.0MPa	1.0MPa	1.0MPa	1.0MPa	1.0MPa	1.0MPa		1.0MPa	1.0MPa	1.0MPa	1.0MPa
40	350	14	165	150		110		84		3	19		4-19	
50	365	14	178	165		125		99		3	19		4-19	
65	380	17	190	185		145		118		3	19		4-19	
80	425	17	200	200		160		132		3	19	4-19	8-19	
100	470	19	229	220		180		156		3	19		8-19	
125	485	19	254	250		210		184		3	19		8-19	
150	595	19	267	295		240		211		3	19		8-23	
200	725	24	292	347		295		266		3	20	8-23	12-23	
250	835	27	330	395	400	350	355	319		3	22	12-23	12-28	
300	910	27	356	356	455	400	410	370		4	24.5	12-23	12-28	



ADVANTAGE

- Non-maintenance design, inside and outside electrostatic epoxy resin powder coating of minimum 250 microns. The valve can be installed under the ground directly.
- The valve adopts the back seal and the stem seal, those double seals can avoid any top leakage when installation.
- The customer can easily replace the top seal "O" rings under the pressure.
- The valve adopts flat bottom design, this ensures there is no space for any solids in the fluid to settle inside the valve and this reduces flow resistance thus reducing pressure drop.
- The wedge adopts bidirectional groove design ensures the best reliable seal,
- A set of seal pressure angle adopts gradual design.
- The pressured surface of stem adopts high strength self-lubricated materials, the valve can be opened and closed easily.
- The bonnet, body casting adopt equal thickness design to avoid the leakage by the stress function.



PART LIST

No.	PARTS	MATERIAL	MATERIAL
1	Body	GGG40 / GGG50 / EN 1563 : ENCJS-400 15 / EN CJS - 450 10	IS : 1865 SG 400/15, 500/7
2	Wedge	GGG bonded with NBR or EPDM	SG bonded with NBR or EPDM
3	Stem	SS410 / SS304	IS : 6603 12 Cr 12 / x04 Cr 19Ni9
4	Stem Nut	Brass / Bronze	Brass / Bronze IS:320, IS:318
5	Middle Gasket	NBR or EPDM	NBR or EPDM / IS:638 Type-B
6	Bonnet	GGG40 / GGG50 / EN 1563 : EN CJS - 400 15 / EN CJS - 450 10	IS:1865 SG 400/15, 500/7
7	Bolt	CS / SS	CS / SS
8	Lubricant Gasket	PTFE / Nylon	PTFE / Nylon
9	O-ring	NBR or EPDM	NBR or EPDM
10	O-ring	NBR or EPDM	NBR or EPDM
11	Seal Bush	Nylon / Brass / Steel	Nylon / Brass / Steel
12	Seal Cover	SS410 / SS304	IS:6603 12 Cr 12 / X04 Cr 19Ni9
13	Hand Wheel	Sheet Metal / GGG40	Sheet Metal / IS:1865 SG 500/7, 400/15
14	Bolt	CS / SS	CS/SS

These are standard materials subject to change without notice.
Any special combination can also be supplied on request



*"Efforts mixed with ultimate engineering
resulting in the perfect flow control
products for the toughest conditions
possible"*

Salient Features :

- Specification as per BS:5163 / DIN:3202 / EN:1171
- Body Ductile Iron Grade GGG40 / GGG50 / EN:1563 / IS:1865 SG 400 / 15,500 / 7
- Wedge Fully Rubber Lined with EPDM
- Vacuum Tight, 100% Leak Proof
- Flange to Flange distance as per IS:14846
- Drilling as per IS:1538 / IS:9523 available
- Pocket Less Flat bottom design
- Size Range 50mm to 600 mm
- Available in Pn 1.0, Pn 1.6 & Pn 2.5

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