

PRODUCT CODE



VALVES



## Resilient Seated Gate Valve - Flanged

Specifications as per BS : 5163 / DIN : 3202 / EN : 1171 / IS : 14846  
Body : Ductile Iron, Grade GGG40 / EN : 1563 / IS : 1865 SG400 / 15 or SG500 / 7  
Coating : Fusion bonded epoxy coating (shade RAL5005)  
Wedge : Fully Rubber Lined with EPDM  
Vaccum Tight, 100% Leak Proof  
Flange to Flange distance as per IS : 14846  
Drilling as per IS : 1538 / IS : 9523  
Pocket-less Flat Bottom Design  
Size Range : 40mm to 600mm  
Available in PN10 / PN16 / PN25

Suitable for  
Water, Oil, Air, Fire Fighting & Marine Applications

Approved with

KUWSDB, APSIDC, RWS&S (Hyd.), GWSSB, PHED Rajasthan, PHD J&K

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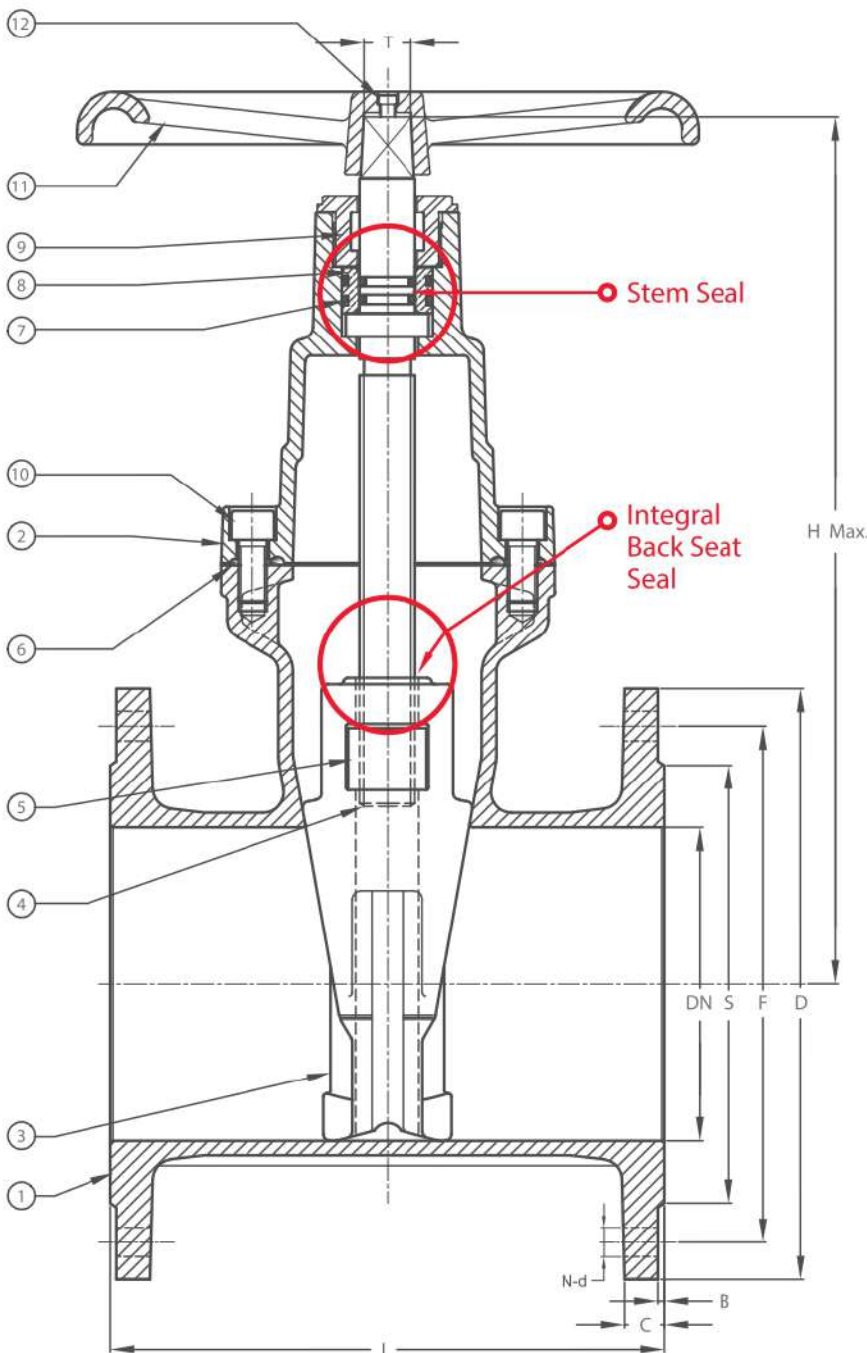
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# Specifications

Nominal Size (DN)	40-600 mm
Standard Pressure	PN10 / PN16 / PN25*
Body Test Pressure	15 bar / 24 bar
Sealing Test Pressure	11 bar / 18 bar
Application Temperature	≤80°C
Medium	Portable Water
Key Material	Ductile iron with fusion bonded epoxy coating

\* Available on request



# Advantages

Maintenance-free design with electrostatic epoxy coating (both inside & outside) of minimum 250 microns thickness.

The valve can be installed under the ground directly.

The valve is designed with back seat seal & stem seal. These two seals prevent any top leakage during valve operation. If required, the customer can easily replace the top seal "O" rings, even under pressure.

The valve adopts pocket-less body design at bottom which ensures there is no space for any solid in the fluid to settle inside the valve & hinder valve closure. This reduced flow resistance also reduces pressure drop.

The wedge adopts bi-directional groove design which ensures the best reliable seal.

The pressurized surface of stem has high strength self-lubricating seals, thereby ensuring easy opening & closing of the valve.

The bonnet & body castings have equal thickness to avoid any failure due to stress function.



# Material of Construction

No.	Parts	Materials (International Specifications)	Materials (Indian Specifications)
1	Body	GGG40 / GGG50 / EN1563 : ENCJS - 400 15 / ENCJS - 450 10	IS : 1865 SG400 / 15 or SG500 / 7
2	Bonnet		
3	Wedge	GGG Bonded with NBR or EPDM	SG Bonded with NBR or EPDM
4	Stem	SS 410 / SS 304	IS : 6603 12Cr 12 / X04 Cr 19Ni9
5	Stem Nut	Brass / Bronze	IS : 320 / IS : 318
6	Body Gasket	NBR or EPDM	IS : 638 Type-B
7	O-ring	NBR or EPDM	NBR or EPDM
8	Stem Seal Bush	Brass / Bronze	IS : 320 / IS : 318
9	Seal Cover	SS 410 / SS 304	IS : 6603 12Cr 12 / X04 Cr 19Ni9
10	Bolts	CS / SS	CS / SS
11	Hand Wheel	Sheet Metal / GGG40	Sheet Metal / IS : 1865 SG400 / 15 or SG500 / 7
12	Bolt for Wheel	CS / SS	CS / SS

*Material standards are subject to change without notice.  
Any special combination can also be supplied on request.*

# Dimensional Data

*Drillings as per IS : 1538*

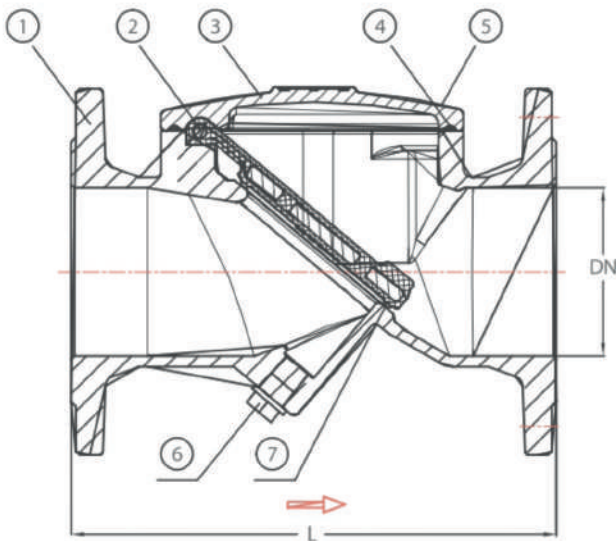
DN	H	T	L	D	F	S	B	C	N-d
40	350	14	165	150	110	84	3	19	4-19
50	365	14	178	165	125	99	3	19	4-19
65	380	17	190	185	145	118	3	19	4-19
80	425	17	203	200	160	132	3	19	4-19
100	470	19	229	220	180	156	3	19	8-19
125	485	19	254	250	210	184	3	19	8-19
150	595	19	267	285	240	211	3	19	8-23
200	725	24	292	340	295	266	3	20	8-23
250	835	27	330	395	350	319	3	22	12-23
300	910	27	356	445	400	370	4	24.5	12-23
350	1020	32	381	505	460	429	4	24.5	16-23
400	1110	36	406	565	515	480	4	24.5	16-28
450	1200	36	432	615	565	530	4	25.5	20-28
500	1300	42	457	670	620	582	4	26.5	20-28
600	1500	48	508	780	725	682	5	30	20-31

*Drillings as per other standards are supplied on request.*

# Resilient Seated Swing Check Valve (BS 5153)

PRODUCT CODE

**K-517 D**



DN (mm)	50	65	80	100	125	150	200	250	300
L	203	216	241	292	330	356	495	622	698

Standard flange dimensions as per IS : 1538

Nominal Size (DN)	50-300 mm
Nominal Pressure	PN10 / PN16 / PN 25*
Shell Testing Pressure	15 bar / 24 bar
Seal Testing Pressure	11 bar / 18 bar
Application Temperature	≤ 80°C
Medium	Drinking Water, Sewage, Oil
Key Material	Ductile Iron with fusion bonded epoxy coating (shade RAL5005)

No.	Parts	Materials
1	Body	GGG40 & above
2	Hinge Pin	SS 410 / SS 304
3	Cover	GGG40 & above
4	Body Gasket	NBR or EPDM
5	Bolts	CS / SS
6	Drain Plug	CS / SS
7	Door	GGG40 with EPDM coating

\* Available on request

Material standards are subject to change without notice. Any special combination can also be supplied on request.





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