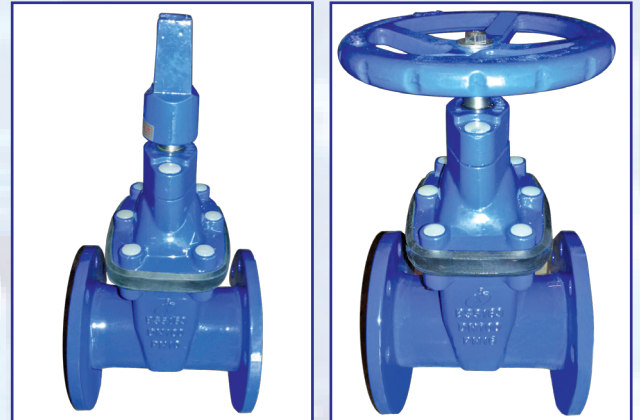


SI BRAND RESILIENT SEATED GATE VALVE

Double Flanged Connection Type
Manufactured & Tested In Accordance With
BS 5163: 2004 & EN 1074-2



FEATURES

- * All parts & component are manufactured by in house solely by leading world class ISO certified factory
- * Engineered Acetyl Plastic Guide used on EPDM rubber wedge to reduce torque/friction and prevent excessive wear
- * 100% hydrotesting done with highest quality assurance check in factory before export
- * Choice of different stem (spindle) material available on request
- * Choice of different fasteners material available on request
- * Stem(Spindle) sealing rings are field replaceable at job site under pressure
- * Fasteners are encapsulated with activated sealing resin for long term corrosion protection
- * WRAS (UK) & GSK (Germany) certifications on external FBE (Fusion Bonded Epoxy) coating
- * Full compliance to multiple international standards [ISO, BS, EN, DIN]
- * Fully comply to All local Singapore Testing Requirements including SS375, SS270, EN1982 & AS/NZ4020

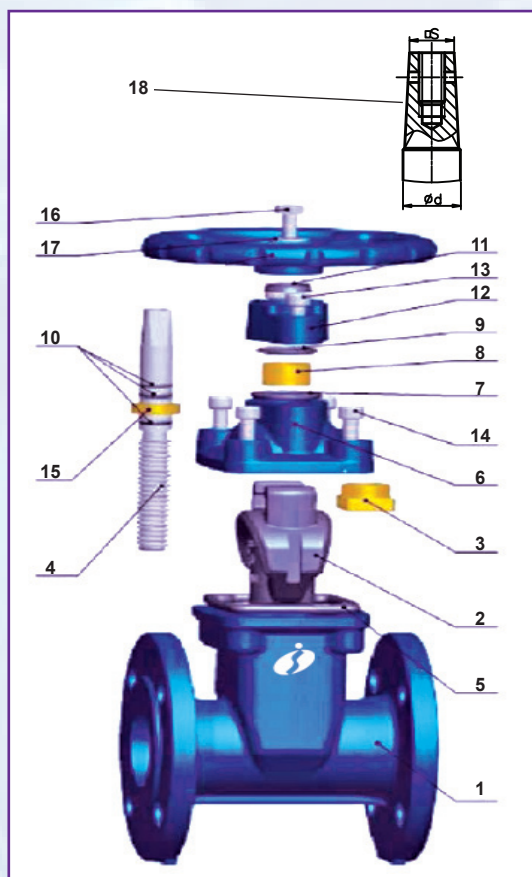
OTHER APPLICABLE STANDARD	COMPLIANCE	REMARKS
Face to Face Dimension	BS EN 558-1 / ISO 5752 Series 3	
Flange Drillings	BS 4504 / EN 109-2 / ISO 7005 in PN 10 or PN 16	Others flange drilling available on request
Hydropressure Test	BS EN 12266-1: 2003	
	Body Test 1.5X Max. Working Pressure	
	Seat Test 1.1X Max. Working Pressure	
SERVICE CONDITION	GENERAL DATA	
Application	Fluid Isolation / Through Bore Type	
Fluid medium	Potable Drinking Water / NEWater / Used or Waste Water	
Max. Service Temperature	80 ° Celcius	
Size Range	DN50(mm) to DN600(mm)	
Pressure Rating	10 bar or 16 bar	Others pressure rating available on request
Actuation	Manual via Stem Square Cap or Handwheel	
Direction of Turning	Clockwise To Open (CTO) or Clockwise to Close (CTC)	



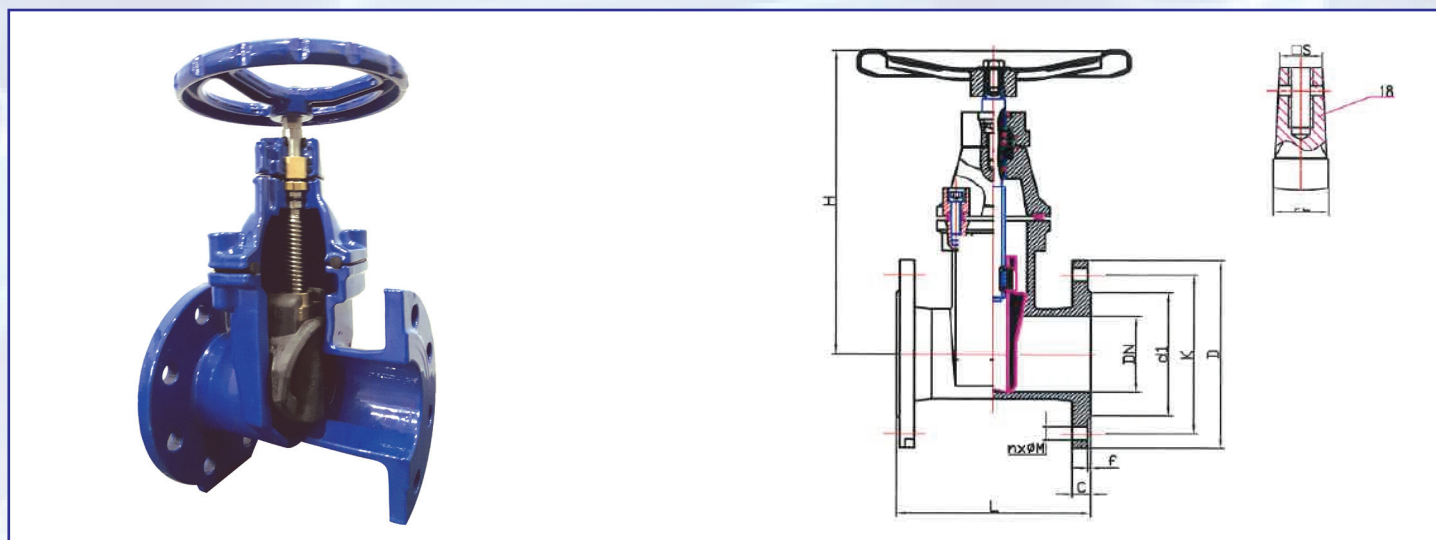
✓ **TESTED**

✓ **PROVEN**

✓ **ISO
CERTIFIED**



No.	Component	Material / Grade
1	Main Body	Ductile Iron BS EN1563 Grade 500/7 other material available on request
2	Wedge	Ductile Iron encapsulated with EPDM to BS EN 681-1
3	Stem (Spindle) Nut	Copper Alloy / Gunmetal LG2 Grade to BS EN 1982
4	Stem (Spindle)	Stainless Steel Grade SS431S29 / SS420 to BS EN 10088-3
5	Sealing Gasket	EPDM to BS EN 681-1
6	Body Cover	Ductile Iron BS EN1563 Grade 500/7 other material on request basis
7	Stem Centre O-Ring	EPDM to BS EN 681-1
8	Centre Wedge / Body Ring	Copper Alloy / Gunmetal LG2 to Grade BS EN 1982
9	O-Ring I	EPDM to BS EN 681-1
10	O-Ring II	EPDM to BS EN 681-1
11	Spindle Top Sealing Ring	EPDM to BS EN 681-1
12	Top Cover Gland	Ductile Iron BS EN1563 Grade 500/7 other material on request basis
13	Body Cover Fastener Screw	HDG or High Tensile Steel other fastener material available on request
14	Main Body Bonnet ScREW	HDG or High Tensile Steel other fastener material available on request
15	Stem(Spindle) Ring	Copper Alloy / Gunmetal LG2 to Grade BS EN 1982
16	Handwheel / Sq Cap Lock Fastener	HDG or High Tensile Steel other fastener material available on request
17	Handwheel	Ductile Iron BS EN1563 Grade 500/7 other material on request basis
18	Square Taper Stem Cap	Ductile Iron BS EN1563 Grade 500/7 other material on request basis



Size	Average Seal	Average No.	Face To Face	Square Cap		Height	PN 10						PN 16					
DN	Torque (Nm)	of Turns	L	□S	ØE	H	D	K	d1	C	f	n x ØM	D	K	d1	C	f	n x ØM
50	50	5	178	14.3	20	218	165	125	99	19	3	4 x 19	165	125	99	19	3	4 x 19
65	50	6	190	14.3	20	235	185	145	118	19	3	4 x 19	185	145	118	19	3	4 x 19
80	70	7	203	17.3	24	255	200	160	132	19	3	8 x 19	200	160	132	19	3	8 x 19
100	80	9	229	17.3	24	300	220	180	156	19	3	8 x 19	220	180	156	19	3	8 x 19
150	130	13	267	19.3	26	392	285	240	211	19	3	8 x 23	285	240	211	19	3	8 x 23
200	180	17	292	19.3	28	485	340	295	266	20	3	8 x 23	340	295	266	20	3	12 x 23
250	220	21	330	24.3	30	585	395	350	319	22	3	12 x 23	405	355	319	22	3	12 x 28
300	270	25	356	27.3	32	655	400	400	370	24.5	4	12 x 23	460	410	370	24.5	4	12 x 28
400	290	34	406	27.3	38	832	515	515	480	24.5	4	16 x 28	580	525	480	28	4	16 x 31
500	470	42	457	32.3	40	995	620	620	582	26.5	4	20 x 28	715	650	609	31.5	4	20 x 34
600	530	50	508	32.3	42	1160	725	725	682	30	5	20 x 31	840	770	720	36	5	20 x 37