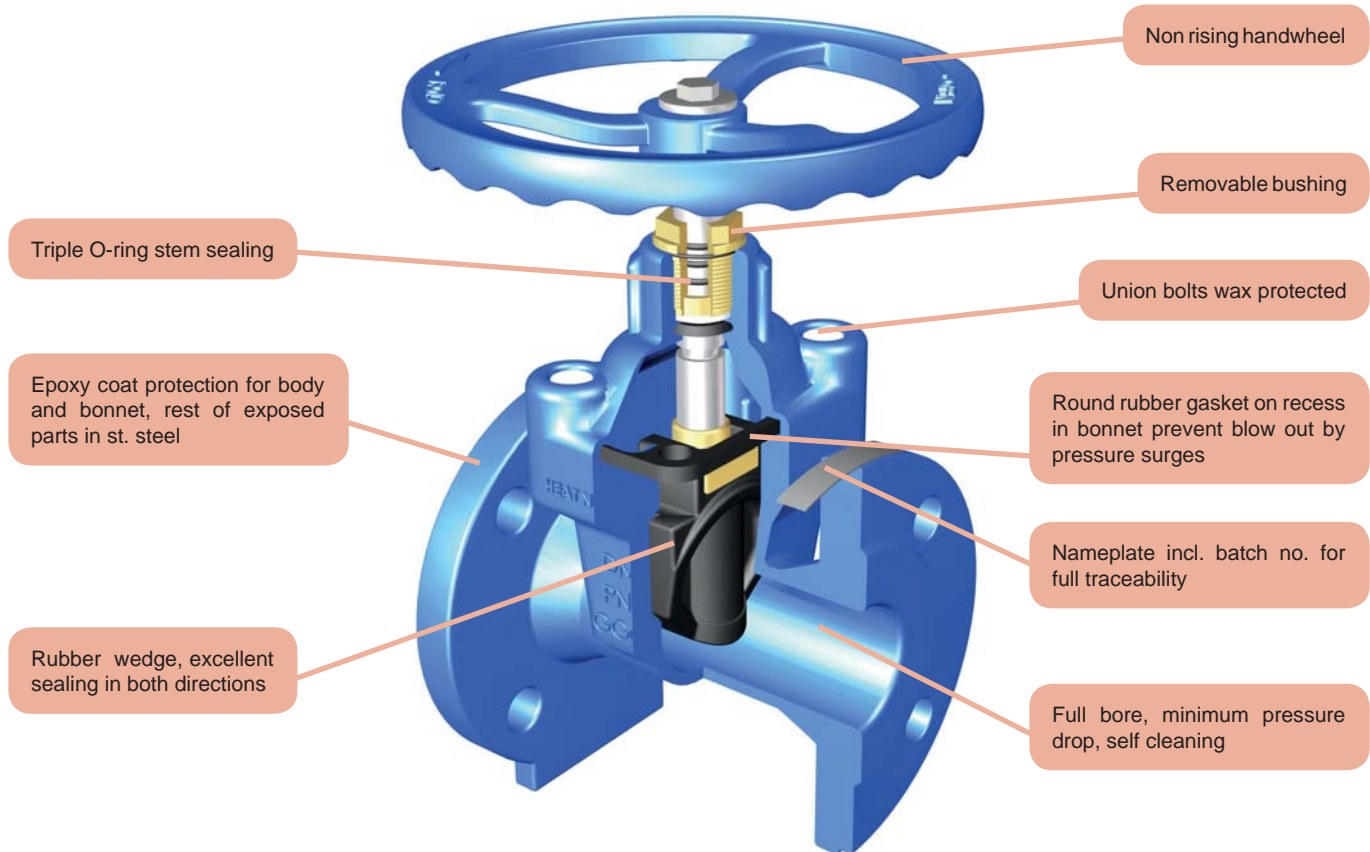


Resilient Seated Gate Valves are linear motion valves, bidirectional, with rubber vulcanised wedge devised for stopping the flow of the service fluid when necessary, not being suitable for regulation purposes. Valves close by turning the handwheel clockwise. Valves are bolted bonnet, inner screw, non rising handwheel, non rising stem, and can be operated by handwheel, gear, etc. The valves are provided with epoxy protection against environmental or media aggression. Through their accurate design and production, they offer a reliable performance and full seat tightness, even with certain presence of sediments, being widely used mainly in water works service.



Main Features

Valve design: BS 5163
 Nominal pressure: PN16 (504) / PN10 (505)
 Face to face length: EN 558 S3
 Flanged to EN 1092-2 type 21/B, PN16 (series 504) / PN10 (series 505) (valves DN65 with 4 holes as accepted variant in standard)
 Pressure Tests: EN 12266-1
 Seat leakage rate: Rate A (full seat tightness in both directions)
 Inside and outside epoxy coating protection blue color similar to RAL5005. Min. average thickness 250 microns
 Product compliant with Directive 2014/68/EU on Pressure Equipment (PED) and Machinery Directive 2006/42/EC

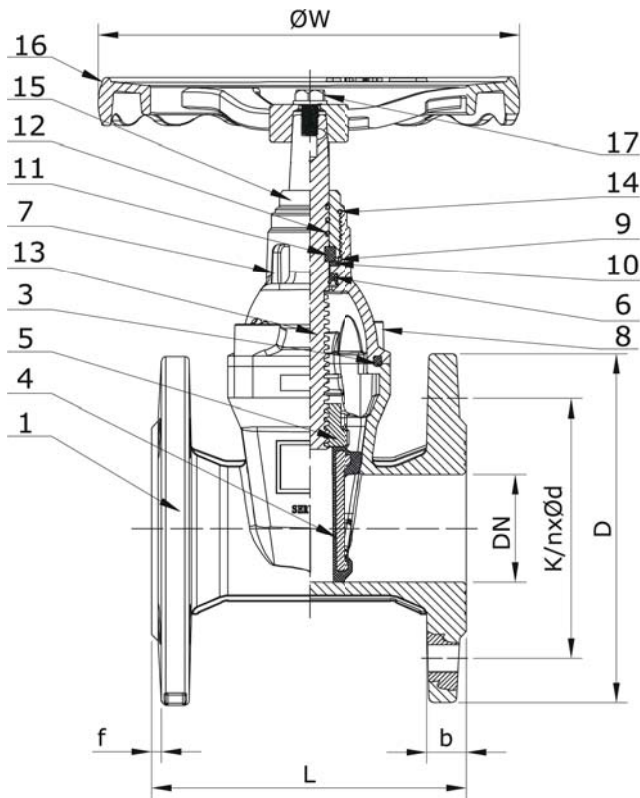
Main Duties / Limits of use

Fresh water and neutral liquids of group 2*, acc. to Directive 2014/68/EU Annex II table 9 up to category I
 PS: 16 bar (504) / 10 bar (505); TS: -10/80°C
 Table 9: PS 16 DN40-DN1000 (Art.4-Parr.3 DN40-DN300)
 PS 10 DN40-DN1000 (Art.4-Parr.3)
 Questions referring to chemical resistance, please consult us
 *Classification of fluids (group 2) acc. to Directive 2014/68/EU, Article 13

Options

Compliance with EN 1171, EN 1074-1/2, higher service temperatures, other designs and approvals, limit switches, different actuation. Please consult us

Main Parts and Materials



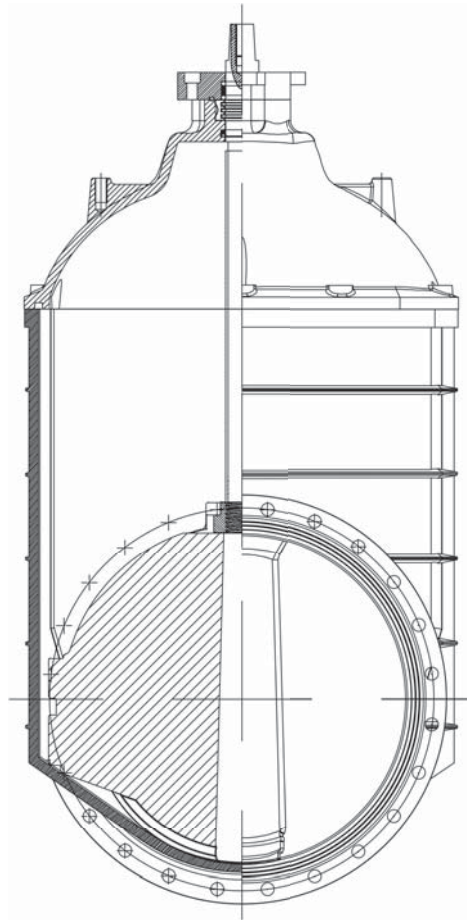
Nº	PART	MATERIAL
1	BODY	EN-JS1050 (GGG50)
3	GASKET	NBR
4	WEDGE	EN-JS1050 (GGG50)-NBR (504/505N) EN-JS1050 (GGG50)-EPDM (504/505E)
5	STEM NUT	Brass CuZn40
6	AUTO-SEALING RING	NBR
7	BONNET	EN-JS1050 (GGG50)
8	SCREWS	Steel wax covered
9	O-RINGS	NBR
10	THRUST WASHER	POM
11	HOLDING RING	Stainless steel X20Cr13
12	O-RING	NBR
13	STEM	Stainless steel X20Cr13
14	DUST RING	NBR
15	PUSHER NUT	Brass CuZn40
16	HANDWHEEL	EN-JS1050 (GGG50)
17	SCREW-WASHER	Stainless steel A2

Main Valve Parameters DN40-200

DN	40	50	65	80	100	125	150	200	
L	165	178	190	203	229	254	267	292	
W	200	200	200	254	254	315	315	315	
D	PN10 (505)	150	165	185	200	220	250	285	340
	PN16 (504)	150	165	185	200	220	250	285	340
b	PN10 (505)	19	19	19	19	19	19	20	
	PN16 (504)	19	19	19	19	19	19	20	
f	3	3	3	3	3	3	3	3	
K	PN10 (505)	110	125	145	160	180	210	240	295
	PN16 (504)	110	125	145	160	180	210	240	295
n-d	PN10 (505)	4x19	4x19	4x19	8x19	8x19	8x19	8x23	8x23
	PN16 (504)	4x19	4x19	4x19	8x19	8x19	8x19	8x23	12x23
Kvs-value	140	220	370	560	880	1380	2300	4090	
Recomm. closing torque	20	25	25	30	30	55	60	100	
Max. closing torque	80	90	100	150	190	190	190	240	
Approx. weight	9.5	10.5	13.5	15.5	22	26	37	59	

Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Torques in Nm / Weights in kg

DN250-1000



Main Valve Parameters DN250-1000

	DN	250	300	350	400	450	500	600	700	800	900	1000
	L	330	356	381	406	432	457	508	610	660	711	813
	W	406	406	500	500	630	630	630	-	-	-	-
D	PN10 (505)	395	445	505	565	615	670	780	895	1015	1115	1230
	PN16 (504)	405	460	520	580	640	715	840	910	1025	1125	1255
b	PN10 (505)	22	24,5	24,5	24,5	25,5	26,5	30	32,5	35	37,5	40
	PN16 (504)	22	25	27	28	30	32	36	40	43	47	50
	f	3	3	4	4	4	4	5	5	5	5	5
K	PN10 (505)	350	400	460	515	565	620	725	840	950	1050	1060
	PN16 (504)	355	410	470	525	585	650	770	840	950	1050	1070
n-d	PN10 (505)	12x23	12x23	16x23	16x28	20x28	20x28	20x31	24x31	24x34	28x34	28x37
	PN16 (504)	12x28	12x28	16x28	16x31	20x31	20x34	20x37	24x37	24x41	28x41	28x44
	Kvs-value	6390	9200	11591	16350	20455	25560	37153	53190	73361	92236	125256
	Recomm. closing torque	160	240	260	280	320	350	720	-	-	-	-
	Max. closing torque	240	300	300	390	390	390	-	-	-	-	-
	Approx. weight	89.5	126	180	246	320	490	620	1048	1155	1330	1410

Dimensions in mm subject to manufacturing tolerance / Kvs-values in m³/h / Torques in Nm / Weights in kg