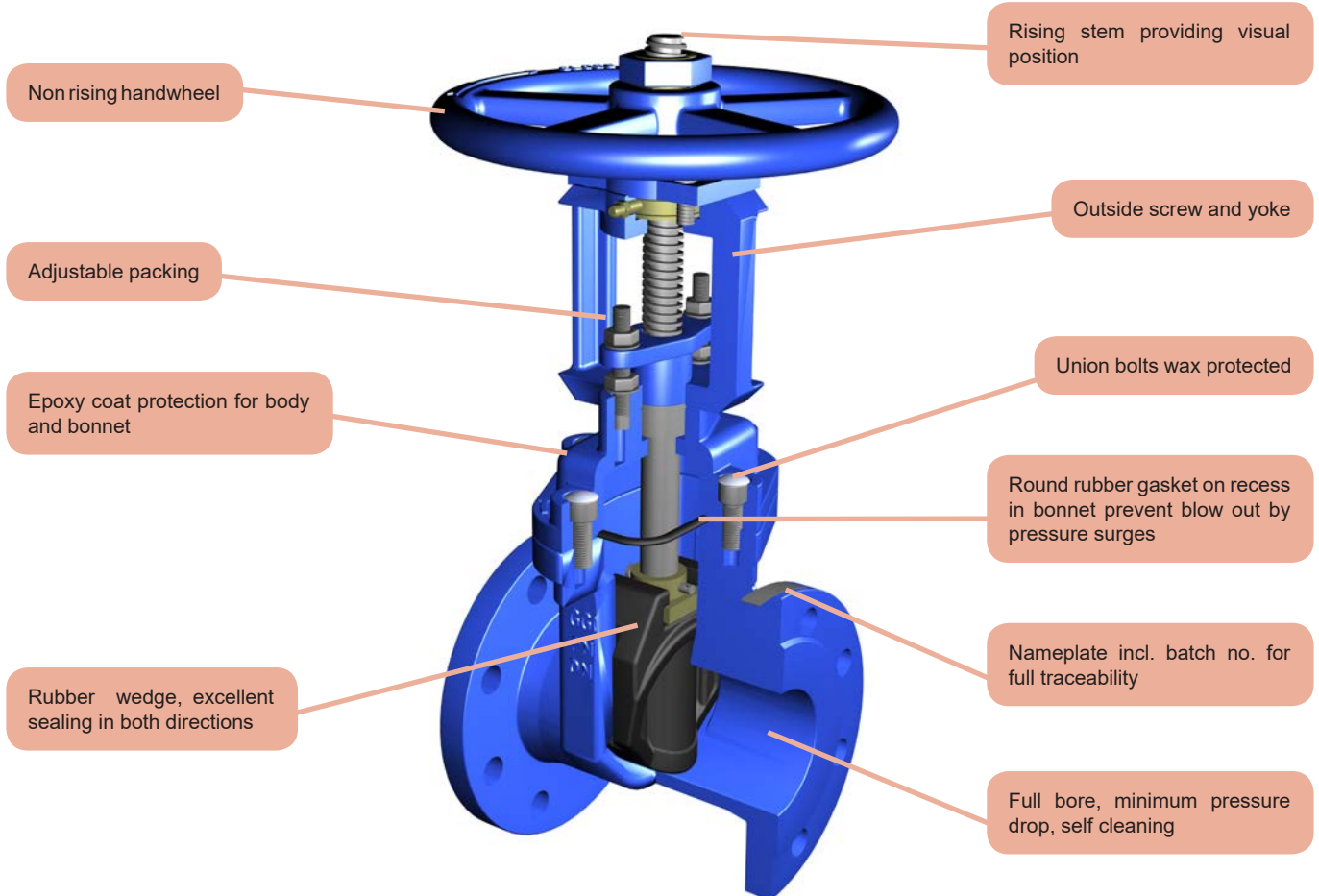


SERIES 507

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, outside screw and yoke, 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: EN 12516
 Nominal pressure: PN16
 Face to face length: EN 558 S14 (DIN 3202 F4)
 Valve end connections: Flanged to EN 1092-2 type 21/B, PN16 (valves DN65 with 4 holes as accepted variant in standard)
 Marking: EN 19
 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

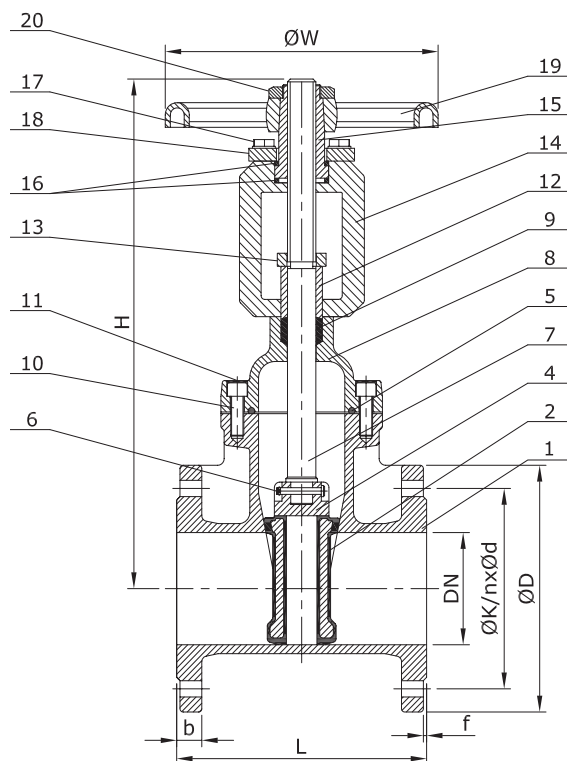
Main Duties / Limits of use

Fresh water and neutral liquids of group 2*, acc. to Directive 2014/68/EU Annex II table 9 up to category I
 Table 9: PS 16 bar DN50-DN700 (Art.4-Parr.3 DN50-DN300)
 TS: -10°C/80°C
 Questions referring to chemical resistance, please consult us
 *Classification of fluids (group 2) acc. to Directive 2014/68/EU, Article 13

Options

WRAS approval & 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 507E	MATERIAL 507N
1	BODY	EN-JS1050 (GGG50)	
2	WEDGE	EN-JS1050 (GGG50)-EPDM (507E)	EN-JS1050 (GGG50)-NBR (507N)
4	DISC NUT		BRASS 38-2-2
5	GASKET	EPDM (507E)	NBR (507N)
6	PIN		Stainless steel 410
7	STEM		Stainless steel 420
8	BONNET	EN-JS1050 (GGG50)	
9	PACKING		Grafoil
10	BONNET SCREWS		A194 2H
11	PLUGS		Wax
12	GLAND FOLLOWER	EN-JS1050 (GGG50)	
13	GLAND	EN-JS1050 (GGG50)	
14	YOKE	EN-JS1050 (GGG50)	
15	STEM NUT		BRASS 38-2-2
16	WASHER		BRASS 38-2-2
17	STUDS		A194 2H
18	COVER	EN-JS1050 (GGG50)	
19	HANDWHEEL	EN-JS1050 (GGG50)	
20	HANDWHEEL NUT	EN-JS1050 (GGG50)	

Main Valve Parameters

DN	50	65	80	100	125	150	200	250
L	150	170	180	190	200	210	230	250
H	350	370	380	405	455	490	540	720
ØW	180	180	200	250	250	300	350	400
ØD	165	185	200	220	250	285	340	405
ØK	125	145	160	180	210	240	295	355
n-Ød	4-19	4-19	8-19	8-19	8-19	8-23	12-23	12-28
f	3	3	3	3	3	3	3	3
b	19	19	19	19	19	19	20	22
Kvs-value	220	370	560	880	1380	2300	4090	6390
Recomm. closing torque	35	35	40	45	70	75	120	180
Max. closing torque	90	100	150	190	190	190	240	240
No. of turns	13	17	16,5	20,5	25,5	30,5	34,0	43
Approx. weight	15	17	24	32	43	63	92	135

DN	300	350	400	450	500	600	700
L	270	290	310	330	350	390	430
H	860	1185	1355	1570	1830	2010	2260
ØW	500	500	600	600	750	750	960
ØD	460	520	580	640	715	840	910
ØK	410	470	525	585	650	770	840
n-Ød	12-28	16-28	16-31	20-31	20-34	20-37	24-37
f	3	4	4	4	4	5	5
b	25	27	28	30	32	36	38
Kvs-value	9200	11591	16350	20455	25560	37153	53190
Recomm. closing torque	260	270	310	340	350	720	-
Max. closing torque	300	300	390	390	390	-	-
No. of turns	51	44,5	50,5	57	63,5	75,5	88
Approx. weight	198	304	343	482	588	-	-

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