

FLANGED SOFT SEALING GATE VALVE S14 3000

with gearbox

DN 40 - 600 PN10/16

11.102GK



Product description

- Flanged soft sealing gate valve series 3000 with Auma multi-turn gearbox, for waste water
- Service temperature from 0°C (excluding frost) to 70°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 series 14
- ISO top flange according to ISO 5210
- Auma multi-turn gearbox according to EN 15714-2

Tests

All valves are individually hydrostatically tested according to EN 1074-1/2 and EN 12266:

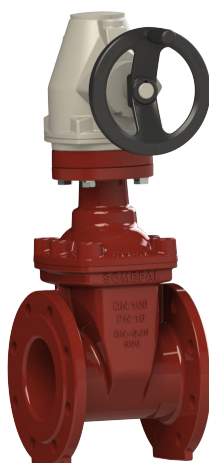
- Seal 1.1 x PN (in bar); Body: 1.5 x PN (in bar)

Corrosion protection

- Epoxy powder coating RAL 3011
- Applied internal and external with a minimum coating thickness of 250 µm
- Fusion bonded epoxy coating according DIN 3476-1, EN 14901-1 and GSK (RAL-GZ662) guidelines

Features

- Isolation valve for waste water
- Full bore
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 500 are equipped with two thrust bearings to ensure reduced operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem sealing system with 4 O-rings in NBR
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with NBR
- Top of the wedge conceived with “soft stop” system, which acts as an end stop for the fully open valve
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- Wedge and body designed with “monorail” system
- Round NBR bonnet gasket fixed in a recess, surrounding the bolts, ensuring a perfect seal
- Body/bonnet bolts in stainless steel A2 encased and sealed ensuring full corrosion protection
- Multi-turn Auma GK IP68
- On request possibility wedge nut in different brass grades.



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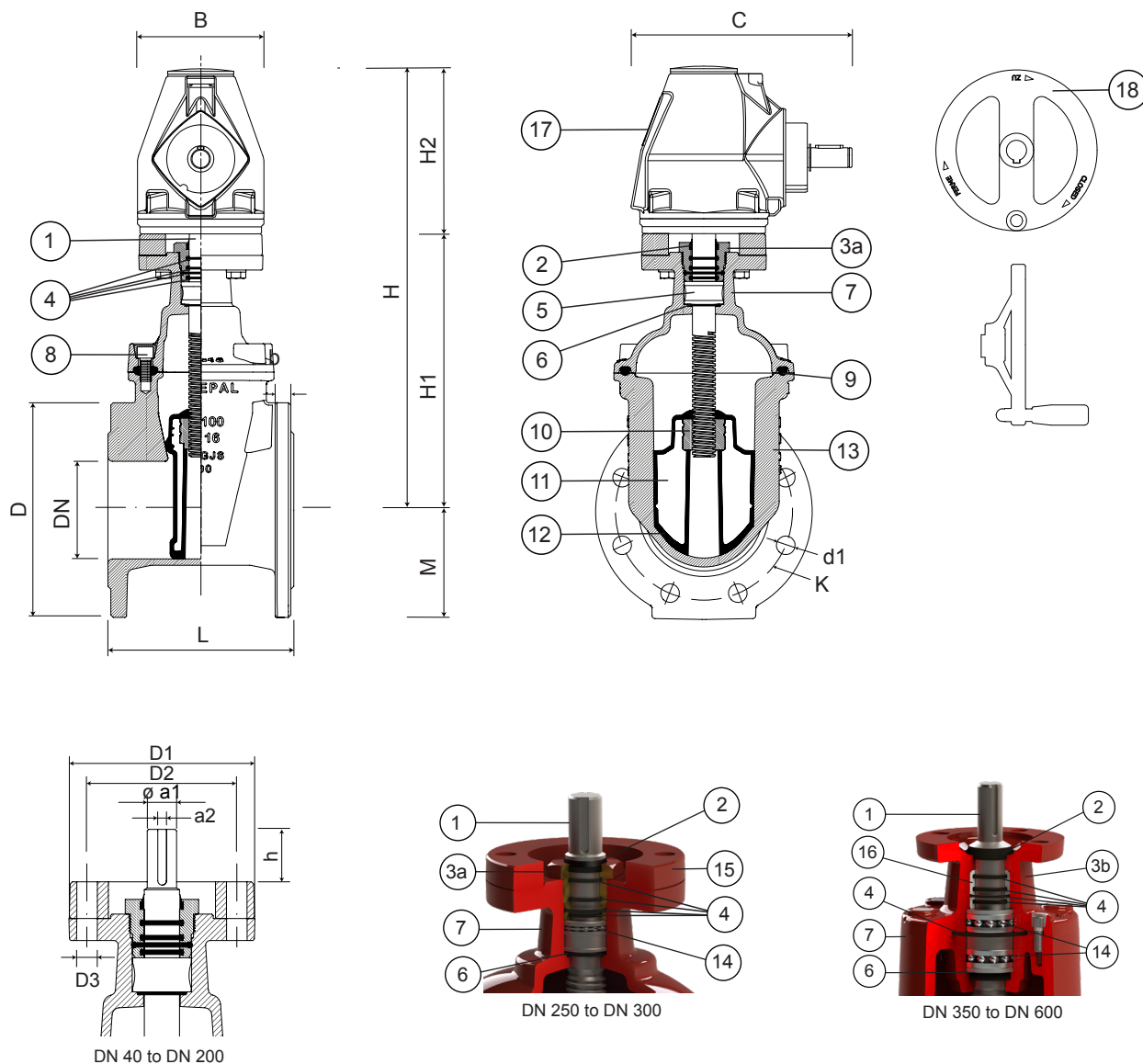
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Component list

pos	components	material	standard
1	Stem	Stainless steel AISI 316L	EN 10088-1
2	Clearing joint	Elastomer	-
3a	Gland	Brass DZR CW602N	EN 12164
3b	Gland	Ductile iron EN-GJS-500-7	EN 1563
4	O-rings	Elastomer NBR	EN 681-1
5	Stem washer	Brass DZR CW602N	EN 12164
6	O-ring	Elastomer NBR	EN 681-1
7	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
8	Bolts	Stainless steel A2	EN 10088-1
9	Bonnet gasket	Elastomer NBR	EN 681-1

pos	components	material	standard
10	Wedge nut	Brass DZR CW602N	EN 12164
11	Wedge	Ductile iron EN-GJS-500-7	EN 1563
12	Wedge covering	Elastomer NBR	EN 681-1
13	Body	Ductile iron EN-GJS-500-7	EN 1563
14	Bearing	Steel	ISO 20516
15	Mounting flange	Ductile iron EN-GJS-500-7	EN 1563
16	Gland bush	POM	-
17	Multi-turn gearbox	-	-
18	Handwheel	Printed steel ST W24	EN 10111 and 10130

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All the drawing, technical data, dimensions and weights are not binding. Subject to change. The components may be replaced by equivalent or higher materials without prior notice.

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Reference and dimensions

DN	PN	código	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA atuador	h	B	C	H2	Kg aprox.
			mm	mm	mm	mm	mm	mm	mm	mm			mm	mm	mm	mm	
40	10/16	10738000GK	150	140	347	177	75	110	4 x 19	19	F10	GK 10.2	30	130	215	170	19
50	10/16	10738010GK	165	150	378	208	83	125	4 x 19	19	F10	GK 10.2	30	130	215	170	21
60	10/16	10738020GK	175	170	387	217	88	135	4 x 19	19	F10	GK 10.2	33	130	215	170	23
65	10/16	10738030GK	185	170	387	217	93	145	4 x 19	19	F10	GK 10.2	33	130	215	170	27
80	10/16	10738040GK	200	180	425	253	100	160	8 x 19	19	F10	GK 10.2	33	130	215	170	28
100	10/16	10738050GK	220	190	456	286	110	180	8 x 19	19	F10	GK 10.2	39	130	215	170	32
125	10/16	10738060GK	250	200	493	323	125	210	8 x 19	19	F10	GK 10.2	39	130	215	170	37
150	10/16	10738070GK	285	210	554	384	143	240	8 x 23	19	F10	GK 10.2	41	130	215	170	45
200	10	10738080GK	340	230	629	459	115	295	8 x 23	20	F10	GK 10.2	46	130	215	170	62
200	16	10738085GK	340	230	629	459	115	295	12 x 23	20	F10	GK 10.2	46	130	215	170	62
250	10	10738090GK	400	250	733	545	200	350	12 x 23	22	F14	GK 14.2	50	180	265/285	188	92
250	16	10738095GK	400	250	733	545	200	355	12 x 28	22	F14	GK 14.2	50	180	265/285	188	92
300	10	10738100GK	455	270	808	620	228	400	12 x 23	24.5	F14	GK 14.2	50	180	265/285	188	122
300	16	10738105GK	455	270	808	620	228	410	12 x 28	24.5	F14	GK 14.2	50	180	265/285	188	125
350	10	10738110GK	505	290	1063	875	253	460	16 x 23	24.5	F14	GK 14.6	65	180	265/285	188	235
350	16	10738115GK	520	290	1063	875	260	470	16 x 28	26.5	F14	GK 14.6	65	180	265/285	188	239
400	10	10738120GK	565	310	1063	875	283	515	16 x 28	24.5	F14	GK 14.6	65	180	265/285	188	253
400	16	10738125GK	580	310	1063	875	290	525	16 x 31	28	F14	GK 14.6	65	180	265/285	188	259
450	10	10738130GK	615	330	1243	1055	308	565	20 x 28	25.5	F14	GK 14.6	65	180	105/123	188	403
450	16	10738135GK	640	330	1243	1055	320	585	20 x 31	30	F14	GK 14.6	65	180	105/123	188	411
500	10	10738140GK	670	350	1243	1055	335	620	20 x 28	26.5	F14	GK 14.6	65	180	105/123	188	427
500	16	10738145GK	715	350	1243	1055	358	650	20 x 34	31.5	F14	GK 14.6	65	180	105/123	188	444
600	10	10738150GK	780	800	1370	1290	1680	725	20 x 31	30	F16	GK 16.2	80	230	344	202	-
600	16	10738155GK	840	800	1370	1290	1710	770	20 x 37	36	F16	GK 16.2	80	230	344	202	-

AUMA gearbox	ISO 5210 flange	B mm	C mm	D1 mm	D2 mm	n° x D3 mm	ø a1 mm	ø a2 mm	ø handwheel
GK 10.2	F10	130	215	125	102	4 x 12	20	6	200 315
GK 14.2	F14	180	265/285	150	175	4 x 18	30	8	200 315
GK 14.6	F14	180	105/123	150	175	4 x 18	30	8	315 400
GK 16.2	F16	230	344	210	387	4 x 22	40	12	315 400 500

For more information on the Auma multi-turn gearbox consult the manufacturer's technical documentation.