

FLANGED SOFT SEALING GATE VALVE S15 3000

with gearbox

DN 40 - 600 PN10/16

01.203GK



Product description

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

Standards

- Designed according to EN 1074 parte 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- Face-to-face according to EN 558 serie 15
- 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 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901-1 and GSK approved

Approvals

- ACS Potability Certificate 21 ACC NY 005
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve approved for drinking water
- Full bore
- The valves from DN 250 to DN 300 are equipped with an axial bearing, from DN 350 to DN 600 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 EPDM
- O-ring stem sealing exchangeable under pressure
- Wedge fully vulcanized with drinking water approved EPDM
- 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 EPDM 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 gearbox
- On request possibility of stem in stainless steel AISI 316L, NBR sealings and wedge nut in different brass alloys.



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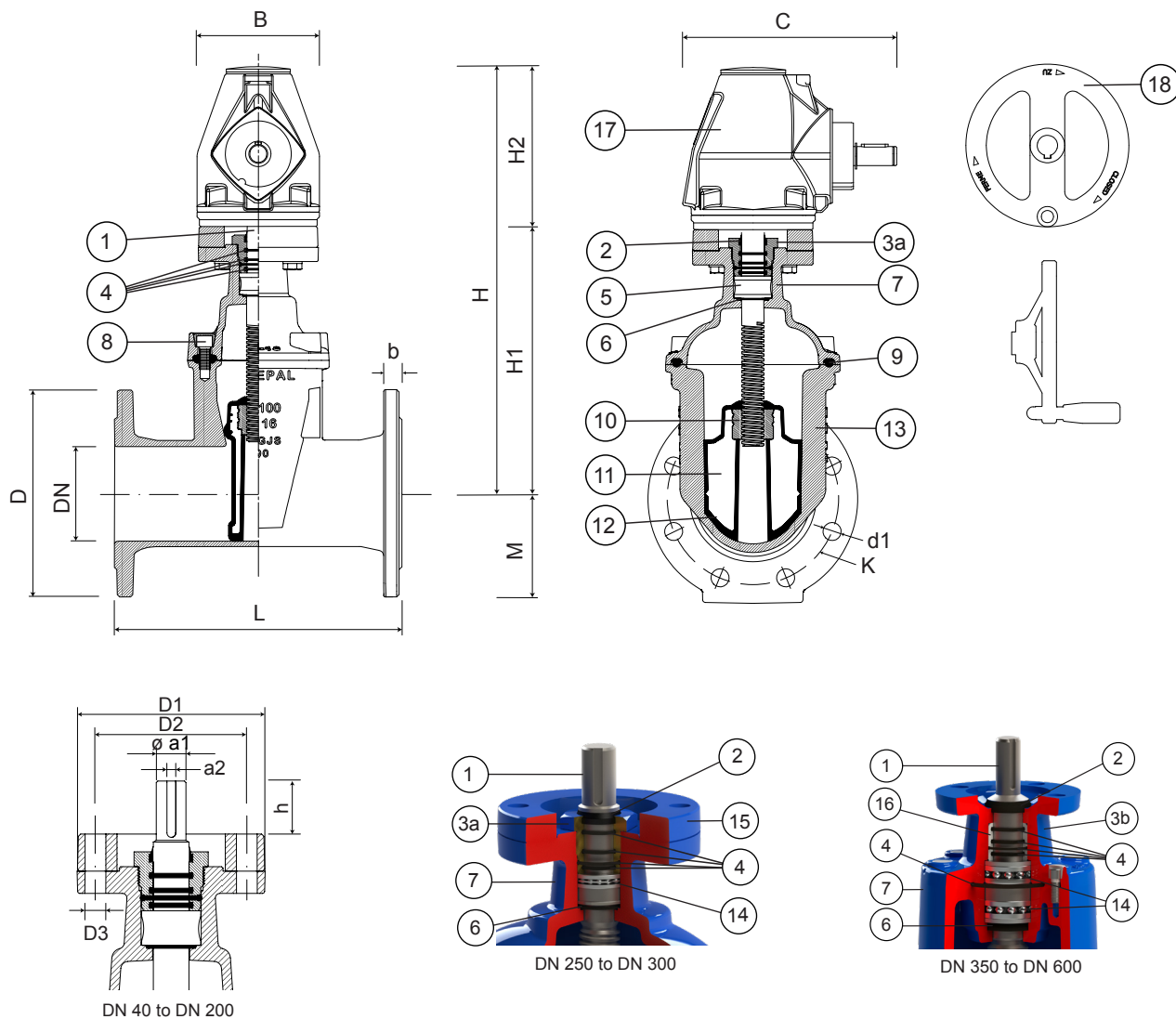
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FLANGED SOFT SEALING GATE VALVE S14 3000

with gearbox
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Component list

pos	components	material	standard
1	Stem	Stainless steel AISI 420	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 EPDM	EN 681-1
5	Stem washer	Brass DZR CW602N	EN 12164
6	O-ring	Elastomer EPDM	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 EPDM	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 EPDM	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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Reference and dimensions

DN	PN	code	D	L	H	H1	M	K	n° x d1	b	ISO 5210 flange	AUMA gearbox	h	B	C	H2	Kg aprox.
			mm	mm	mm	mm	mm	mm	mm	mm			mm	mm	mm	mm	
40	10/16	10727800GK	150	240	347	177	75	110	4 x 19	19	F10	GK 10.2	30	130	215	170	20
50	10/16	10727810GK	165	250	378	208	83	125	4 x 19	19	F10	GK 10.2	30	130	215	170	22
60	10/16	10727820GK	175	270	387	217	88	135	4 x 19	19	F10	GK 10.2	33	130	215	170	24
65	10/16	10727830GK	185	270	387	217	93	145	4 x 19	19	F10	GK 10.2	33	130	215	170	24
80	10/16	10727840GK	200	280	425	253	100	160	8 x 19	19	F10	GK 10.2	33	130	215	170	29
100	10/16	10727850GK	220	300	456	286	110	180	8 x 19	19	F10	GK 10.2	39	130	215	170	33
125	10/16	10727860GK	250	325	493	323	125	210	8 x 19	19	F10	GK 10.2	39	130	215	170	39
150	10/16	10727870GK	285	350	554	384	143	240	8 x 23	19	F10	GK 10.2	41	130	215	170	53
200	10	10727880GK	340	400	629	459	115	295	8 x 23	20	F10	GK 10.2	46	130	215	170	68
200	16	10727885GK	340	400	629	459	115	295	12 x 23	20	F10	GK 10.2	46	130	215	170	68
250	10	10727890GK	400	450	733	545	200	350	12 x 23	22	F14	GK 14.2	50	180	265/285	188	113
250	16	10727895GK	400	450	733	545	200	355	12 x 28	22	F14	GK 14.2	50	180	265/285	188	113
300	10	10727900GK	455	500	808	620	228	400	12 x 23	24.5	F14	GK 14.2	50	180	265/285	188	152
300	16	10727905GK	455	500	808	620	228	410	12 x 28	24.5	F14	GK 14.2	50	180	265/285	188	152
350	10	10727910GK	505	550	1063	875	253	460	16 x 23	24.5	F14	GK 14.2	65	180	265/285	188	272
350	16	10727915GK	520	550	1063	875	260	470	16 x 28	26.5	F14	GK 14.6	65	180	265/285	188	276
400	10	10727920GK	565	600	1063	875	283	515	16 x 28	24.5	F14	GK 14.6	65	180	265/285	188	295
400	16	10727925GK	580	600	1063	875	290	525	16 x 31	28	F14	GK 14.6	65	180	265/285	188	298
450	10	10727930GK	615	650	1243	1055	308	565	20 x 28	25.5	F14	GK 14.6	65	180	265/285	188	466
450	16	10727935GK	640	650	1243	1055	320	585	20 x 31	30	F14	GK 14.6	65	180	105/123	188	483
500	10	10727940GK	670	700	1243	1055	335	620	20 x 28	26.5	F14	GK 14.6	65	180	105/123	188	500
500	16	10727945GK	715	700	1243	1055	358	650	20 x 34	31.5	F14	GK 14.6	65	180	105/123	188	517
600	10	10727950GK	780	800	1370	1290	1680	725	20 x 31	30	F16	GK 16.2	80	230	344	188	674
600	16	10727955GK	840	800	1370	1290	1710	770	20 x 37	36	F16	GK 16.2	80	230	344	188	724

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.



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