

SOFT SEALING GATE VALVE FLANGE/PE SPIGOT END NEXUS

PE100 PN16 SDR11 pipe end

DN 50 - 200 PN16

01.511



Product description

- Soft sealing gate valve series NEXUS with flange/PE pipe spigot end for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 40°C

Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- Flange drilling to EN 1092-2 PN10/16
- PE 100 PN16 SDR11 pipe according to EN 12201-2

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). Operation torque test

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

- Certified according to EN 1074-1/2: AENOR Certificate B18/000009
- ACS Potability Certificate 23 ACC NY 441
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation valve for drinking water with full bore
- Brass stem washer provides stress fixation and low operating torque
- Stainless steel stem with rolled threads produced by cold rolling process, which keeps the steel structure and increase its mechanical resistance
- Stem with stainless steel wedge stop to serve as backstop when the valve is fully open
- Stem sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Wedge fully vulcanized with drinking water approved EPDM
- Wedge of polyamide coated guide rails avoiding friction and corrosion
- Wedge with brass nut fixed in the wedge core preventing vibration and ensure a long life span
- 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
- PE100 PN16 SDR11 pipe end that allow a perfect butt fusion and electrofusion with the PE pipeline
- The PE pipe is pressed onto the grooved valve end body and blocked with a cast iron sleeve and sealed with plastic shrink hose
- Accessories: handwheel (ref.05.100), stem cap (ref. 05.200), extension spindle (ref. 05.300) and surface box (ref. 05.500)
- On request possibility of stem in stainless steel AISI 316L and NBR sealings.



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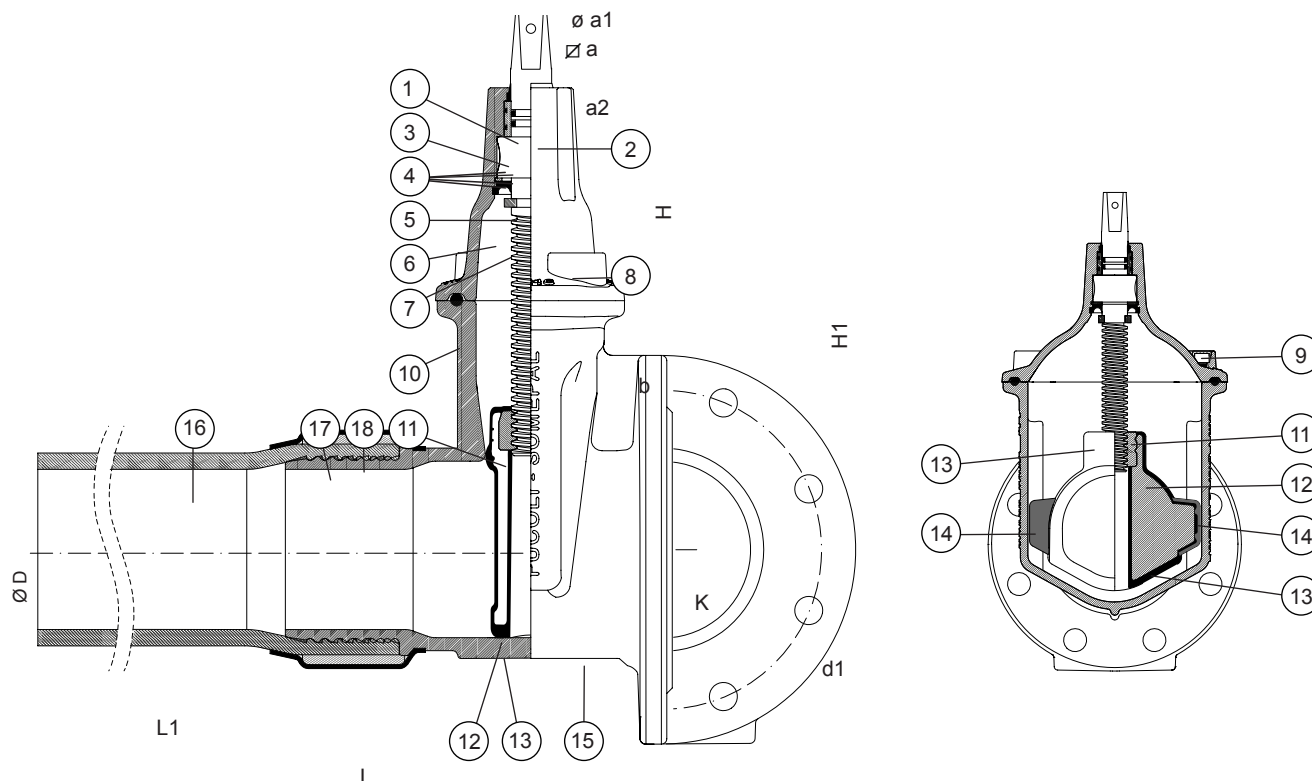
Being one of the main objectives of our company the development and satisfaction of our customers, we reserve the right to update, change or replace the specifications presented without prior notice.

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Component list

pos.	components	material	standard
1	Stem	Stainless steel AISI 420	EN 10088 - 1
2	Clearing joint	Elastomer	
3	Bearing	POM	
4	O-rings	Elastomer EPDM	EN 681 - 1
5	Stem washer	Brass DZR CW602N	EN 12164
6	Joint	Elastomer EPDM	EN 681 - 1
7	Wedge stop	Stainless steel AISI 420	EN 10088 - 1
8	Bonnet	Ductile iron EN-GJS-500-7	EN 1563
9	Bolts	Stainless steel A2	EN 10088 - 1

pos.	components	material	standard
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge nut	Brass DZR CW626N	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563
13	Wedge covering	Elastomer EPDM	EN 681 - 1
14	Wedge guide	Polyamide	
15	Body	Ductile iron EN-GJS-500-7	EN 1563
16	Pipe	PE100 PN16 SDR11	EN 12201 - 2
17	Sleeve	Ductile iron EN-GJS-500-7	EN 1563
18	Shrink hose	Plastic	

Reference and dimensions

DN	flange mm	Ø D ext. PE	PN	code	L mm	L1 min	H mm	H1 mm	D mm	K mm	n° x d1 mm	b mm	Ø a mm	ø a1 mm	a2 mm	turns to open	Kg approx.
50	50	63	16	10750610	410	190	214	297	165	125	4 x 19	19	14.1	18	29	13	8
50	60/65	63	16	10750612	410	190	214	307	185	135/145	4 x 19	19	14.1	18	29	13	8
65	60/65	75	16	10750615	430	190	252	345	185	135/145	4 x 19	19	17.1	22	34	14	10
80	80	90	16	10750620	480	230	277	377	200	160	8 x 19	19	17.1	22	34	16	14
100	100	110	16	10750625	485	230	306	416	220	180	8 x 19	19	19.1	23	38	20	17
100	100	125	16	10750630	495	240	306	416	220	180	8 x 19	19	19.1	23	38	25	18
150	150	160	16	10750635	545	250	400	542	285	240	8 x 23	19	19.1	26	38	30	34
150	150	180	16	10750640	545	250	400	542	285	240	8 x 23	19	19.1	26	38	30	35
200*	200	200	10	10750643	625	285	471	641	340	295	8 x 23	20	24.1	28	38	40	52
200	200	200	16	10750645	625	285	471	641	340	295	12 x 23	20	24.1	28	38	40	52
200*	200	225	10	10750647	630	285	471	641	400	295	8 x 23	20	24.1	28	38	40	53
200	200	225	16	10750650	630	285	471	641	400	295	12 x 23	20	24.1	28	38	40	53

* Flange drilling PN10, PE100 PN 16 SDR11



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All drawings, 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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