

# SOFT SEALING GATE VALVE PE/UPVC NEXUS BLOCKPLUS

## for PE and uPVC pipes

### DN 50 - 200 PN10/16

01.410



#### Product description

- Soft sealing gate valve with restrain system for PE and uPVC pipes series NEXUS BLOCKPLUS for drinking water and neutral liquids
- Service temperature from 0°C (excluding frost) to 70°C

#### Standards

- Designed according to EN 1074 part 1 & 2 and EN 1171
- For PE pipes PE 80 and PE 100 according to EN 12201, DIN 8074
- For PVC pipes according to EN ISO 1452-2

#### 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 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 approved 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
- Innovative restraint system design, each socket it features a top-facing bolt design, enabling quick and easy installation suitable for PE and PVC pipes preventing axial pipe pull out
- Socket ends with EPDM double lip seal ring to ensure a perfect sealing
- The grip ring acts independently of the pipe lip seal ring gasket and is ensured by tightening the lock ring system
- The locking ring is adjustable before tightening, allowing easy installation - a new conception of design
- 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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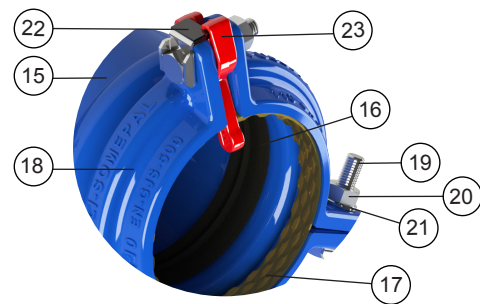
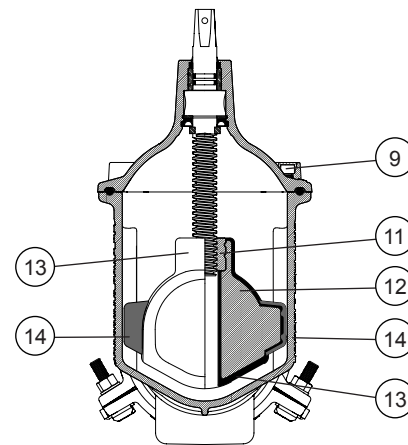
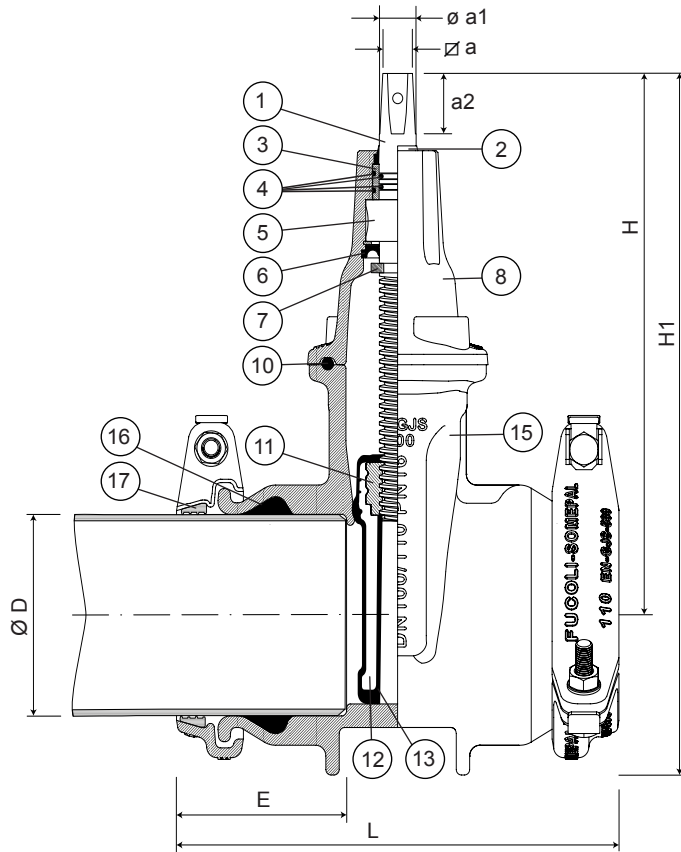
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Lock ring BLOCKPLUS

**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	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
10	Bonnet gasket	Elastomer EPDM	EN 681 - 1
11	Wedge nut	Brass	EN 12164
12	Wedge	Ductile iron EN-GJS-500-7	EN 1563

pos.	components	material	standard
13	Wedge covering	Elastomer EPDM	EN 681 - 1
14	Wedge guide	Polyamide	
15	Body	Ductile iron EN-GJS-500-7	EN 1563
16	Lip seal ring	Elastomer EPDM	EN 681 - 1
17	Grip ring	Brass	EN 1982
18	Lock ring	Ductile iron EN-GJS-500-7	EN 1563
19	Bolts	Stainless steel A2	EN 10088 - 1
20	Nuts	Stainless steel A4	EN 10088 - 1
21	Washer	Stainless steel A2	EN 10088 - 1
22	Bolt head locking device	Stainless steel A2 with protection coating	EN 10088 - 1
23	Stop tab	Polypropylene	

**Reference and dimensions**

DN	Ø D ext. PE/PVC	code	L mm	E mm	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
50	63	10720700	227	86	214	277	14.1	18	29	13	8
65	75	10720705	249	94	252	300	17.1	22	34	14	11
80	90	10720710	262	97	277	345	17.1	22	34	16	14
100	110	10720714	264	102	306	398	19.1	23	38	20	15
125	125	10720720	302	108	342	450	19.1	23	38	25	22
150	160	10720725	338	125	400	510	19.1	26	38	30	31
200	200	10720730	401	138	471	606	24.1	28	38	40	46



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