

SOFT SEALING GATE VALVE WITH PE PIPES SPIGOT ENDS SÉCULO XXI

PE100 PN16 SDR11 pipe end

DN 25 - 40 PN16

02.203



Product description

- Soft sealing gate valve with PE spigot ends series SÉCULO XXI 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
- 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 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000001
- ACS Potability Certificate 15 ACC NY 002
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation service valve for drinking water
- Full bore
- Low operating torque
- 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 sealing with POM bearing with 4 O-rings and a bottom joint in EPDM
- Brass wedge fully vulcanized with drinking water approved EPDM
- Round EPDM bonnet gasket fixed in a recess 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, NBR sealings and wedge nut in different brass grades.



Fucoli Somepal
FUNDAÇÃO DE FERRO, S.A.

Visit our website at www.fucoli-somepal.pt

Head office: Estrada de Coselhas, 3000-125 Coimbra – Portugal | Tel.: (+351) 239 490100 | Fax: (+351) 239 490198

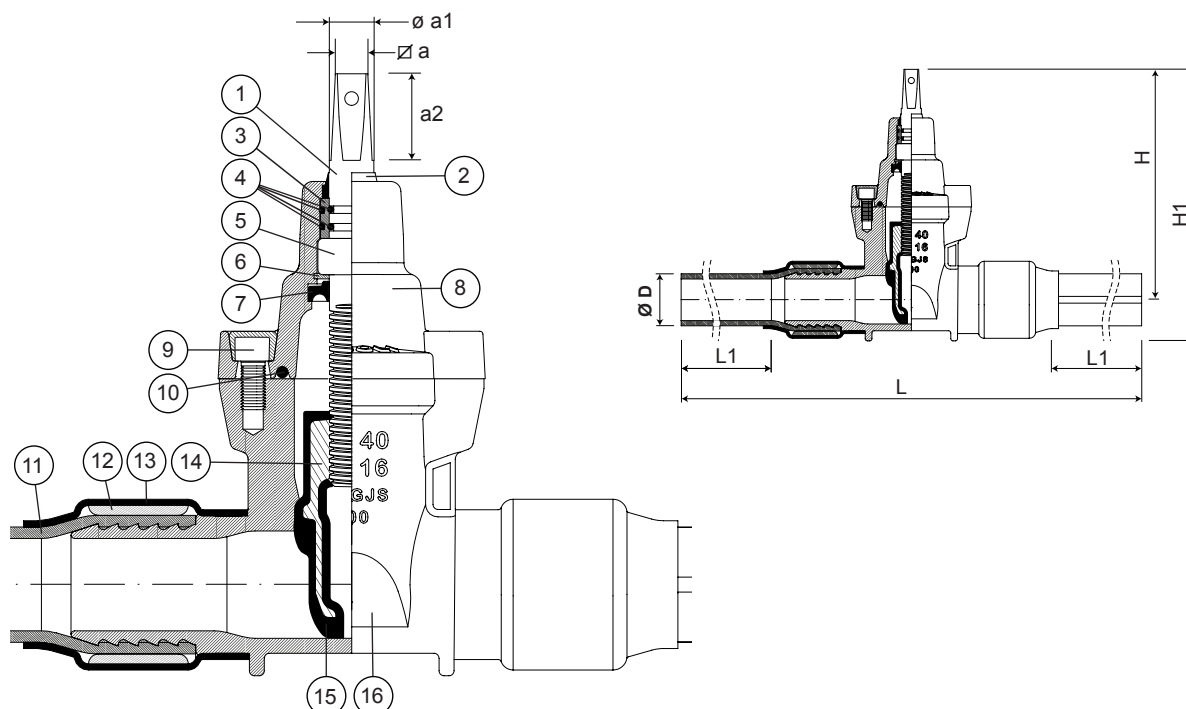
Branch office: Rua de Aveiro 50, 3050-420 Pampilhosa – Portugal | Tel.: (+351) 239 490100 | Fax: (+351) 231 949292 | comercial@fucoli-somepal.pt

SOFT SEALING GATE VALVE WITH PE PIPES SPIGOT ENDS SÉCULO XXI

PE100 PN16 SDR11 pipe end

DN 25 - 40 PN16

02.203



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	Retaining ring	Stainless steel A2	EN 10088 - 1
7	Joint	Elastomer EPDM	EN 681 - 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	Pipe	PE100 PN16 SDR11	EN 12201 - 2
12	Sleeve	Ductile iron EN-GJS-500-7	EN 1563
13	Shrink hose	Plastic	-
14	Wedge	Brass	EN 12164
15	Wedge covering	Elastomer EPDM	EN 681 - 1
16	Body	Ductile iron EN-GJS-500-7	EN 1563

Reference and dimensions

DN	Ø D ext. PE	code	L mm	L1 mm	H mm	H1 mm	Ø a mm	Ø a1 mm	a2 mm	turns to open	Kg approx.
25	32	10745000	615	200	177	204	13.1	18	35	7	3
32	40	10745010	625	200	206	243	13.1	18	35	10	5
40	50	10745020	625	200	206	243	13.1	18	35	10	6



Fucoli Somepal
FUNDAÇÃO DE FERRO, S.A.

Visit our website at www.fucoli-somepal.pt

Head office: Estrada de Coselhas, 3000-125 Coimbra – Portugal | Tel.: (+351) 239 490100 | Fax: (+351) 239 490198

Branch office: Rua de Aveiro 50, 3050-420 Pampilhosa – Portugal | Tel.: (+351) 239 490100 | Fax: (+351) 231 949292 | comercial@fucoli-somepal.pt



100% MADE IN EUROPE

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.

Ed.8 Rev. 4