

BUTTERFLY VALVE DUPLEX 316L

with seat in stainless steel AISI 316L

DN 150 - 1100 PN10/16/25

04.102



Product description

- Butterfly valve series DUPLEX 316L 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 593
- Flange drilling to EN 1092-2 PN10/16/25
- Face-to-face according to EN 558 table 2 series 14

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

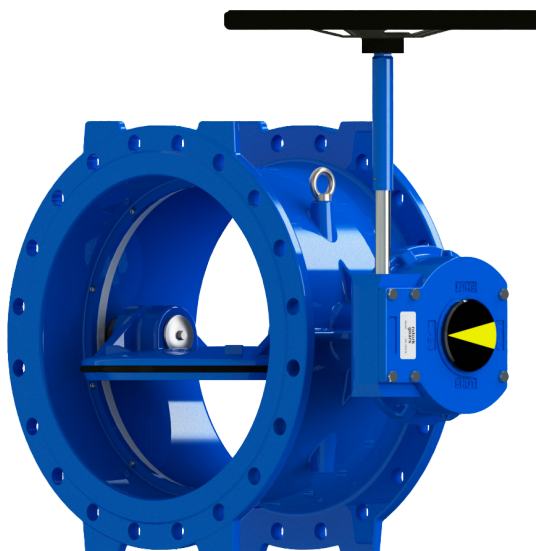
- Epoxy powder coating RAL 5005
- Applied internal and external with a minimum coating thickness of 250 µm
- Potable water approved epoxy coating, fusion bonded according DIN 3476-1, EN 14901-1 and GSK approved

Approvals

- Certified according to EN 1074-1/2: AENOR Certificate B18/000004
- ACS Potability Certificate 23 ACC NY 592
- GSK Epoxy Coating Certificate GSK-ID:1247 (RAL-GZ 662)

Features

- Isolation and flow regulation valve approved for drinking water
- Double eccentricity valve and bidirectional sealing allowing a perfect seal on both flow directions
- Body in ductile cast iron EN-GJS-500-7
- Body seat in stainless steel AISI 316L
- Shafts in stainless steel AISI 316L bronze covering
- Easy O-rings replacement
- Inovator shutter stability system which impedes its transversal displacement thus guaranteeing a permanent sealing
- Equipped with gearbox IP67 correctly adjusted in the factory, in the opening and closing positions, which guarantee its correct functioning
- Gearbox with worm-gear which blocks the shutter in any position, thus impeding that the impact of the flow changes its position
- On request the possibility of obturator sealing in NBR/SBR, gearbox IP68 and gearbox with limit switches.



Fucoli-Somepal
FUNDIÇÃO DE FERRO, S.A.

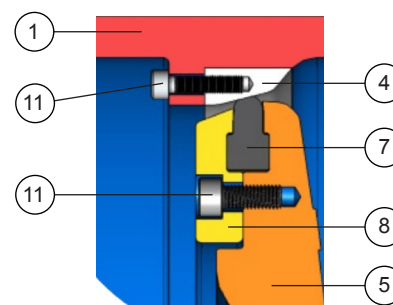
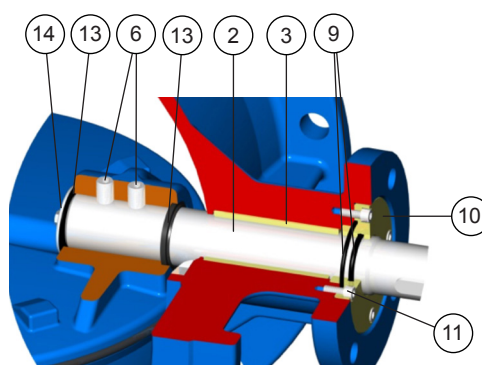
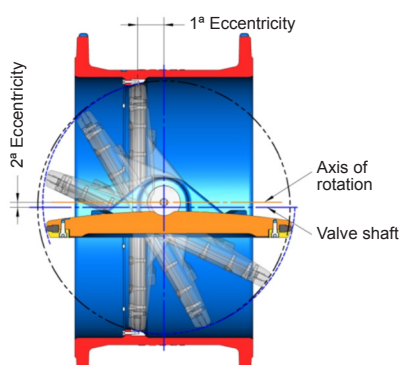
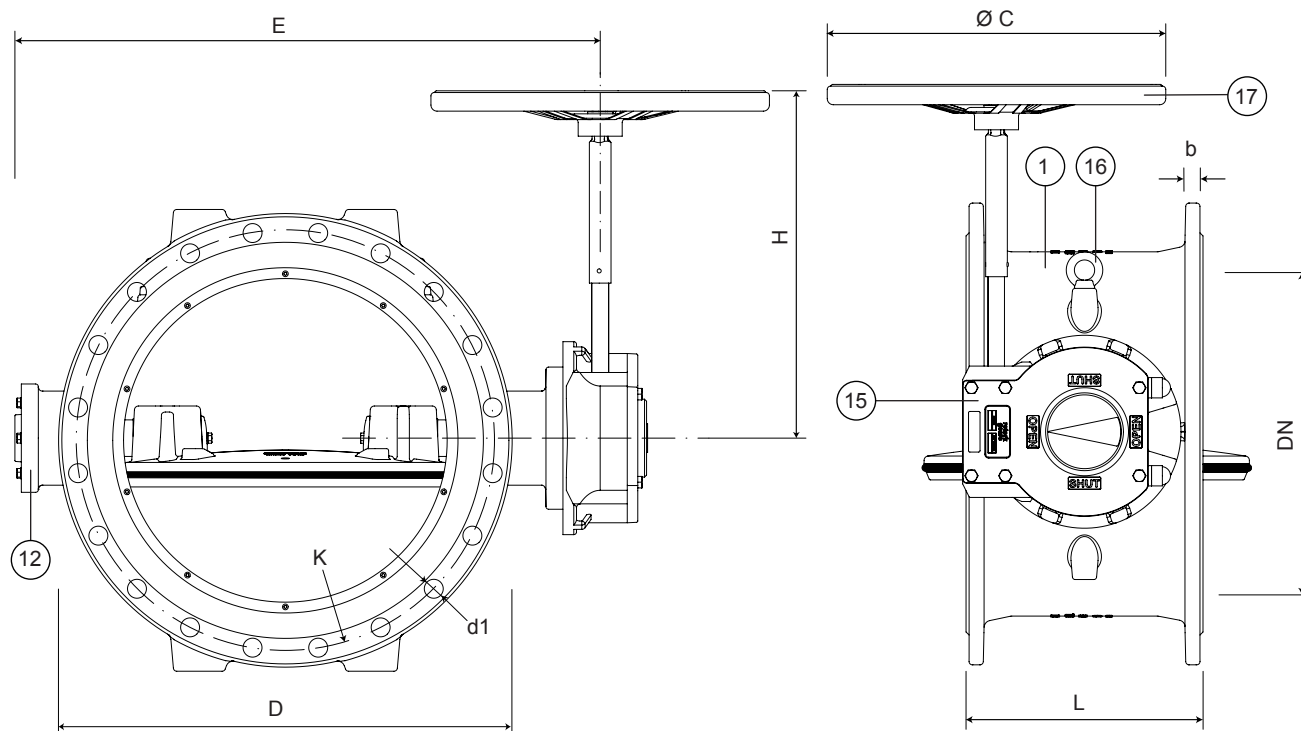
Visit our website at www.fucoli-somepal.pt

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

BUTTERFLY VALVE DUPLEX 316L
with seat in stainless steel AISI 316L
DN 150 - 1100 PN10/16/25

04.102



Seal detail with body seat in stainless steel AISI 316L

Component list

pos.	components	material	standard
1	Body	Ductile iron EN-GJS-500-7	EN 1563
2	Shafts	Stainless steel AISI 316L	EN 10088 - 1
3	Shafts bushing	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
4	Body seat	Stainless steel AISI 316L	EN 10088 - 1
5	Obturator	Ductile iron EN-GJS-500-7	EN 1563
6	Stud	Stainless steel A2	EN 10088 - 1
7	Obturator sealing	Elastomer EPDM	EN 681 - 1
8	Seal tightening ring	Ductile iron EN-GJS-500-7	EN 1563
9	O-rings	Elastomer EPDM	EN 681 - 1
10	Locking ring O-ring	Bronze CuSn ₇ Zn ₄ Pb ₇	EN 1982
11	Bolts	Stainless steel A2	EN 10088 - 1
12	Side bonnet	Ductile iron EN-GJS-500-7	EN 1563
13	Shafts sealing	Elastomer EPDM	EN 681 - 1
14	Shafts washer	Stainless steel AISI 316L	EN 10088 - 1
15	Gearbox	-	-
16	Lifting eyes	Steel zinc plated	-
17	Handwheel	Printed steel ST W24	10305 - 3

continued on next page

BUTTERFLY VALVE DUPLEX 316L

with seat in stainless steel AISI 316L

DN 150 - 1100 PN10/16/25

04.102



continued from previous page

Butterfly valve Duplex 316L with Rotork IP67



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	H mm	K mm	n° x d1 mm	b mm	Ø C mm	Kg approx.
150	10/16	10776010	285	210	390	294	240	8 x 23	19	200	35
150	25	10778010	300	210	390	294	250	8 x 28	20	200	43
200	10	10776020	340	230	445	304	295	8 x 23	20	200	46
200	16	10777020	340	230	445	304	295	12 x 23	20	200	71
200	25	10778020	360	230	445	304	310	12 x 28	22	250	71
250	10	10776030	400	250	525	380	350	12 x 23	22	250	74
250	16	10777030	400	250	525	380	355	12 x 28	22	250	74
250	25	10778030	425	250	525	380	370	12 x 31	24.5	250	84
300	10	10776040	455	270	576	380	400	12 x 23	24.5	250	91
300	16	10777040	455	270	576	380	410	12 x 28	24.5	250	91
300	25	10778040	485	270	576	380	430	16 x 31	27.5	300	103
350	10	10776050	505	290	640	441	460	16 x 23	24.5	300	127
350	16	10777050	520	290	640	441	470	16 x 28	26.5	300	135
350	25	10778050	555	290	640	441	490	16 x 34	30	300	146
400	10	10776060	565	310	731	441	515	16 x 28	24.5	300	148
400	16	10777060	580	310	731	441	525	16 x 31	28	300	157
400	25	10778060	620	310	731	441	550	16 x 37	32	300	176
450	10	10776070	615	330	813	555	565	20 x 28	25.5	300	198
450	16	10777070	640	330	813	555	585	20 x 31	30	300	220
450	25	10778070	670	330	813	555	600	20 x 37	34.5	300	231
500	10	10776080	670	350	861	555	620	20 x 28	26.5	300	233
500	16	10777080	715	350	861	555	650	20 x 34	31.5	300	257
500	25	10778080	730	350	861	555	660	20 x 37	36.5	300	283
600	10	10776100	780	390	985	610	725	20 x 31	30	300	312
600	16	10777100	840	390	985	610	770	20 x 37	36	300	355
600	25	10778100	845	390	985	610	770	20 x 41	42	300	396
700	10	10776120	895	430	1095	660	840	24 x 31	32.5	300	460
700	16	10777120	910	430	1095	660	840	24 x 37	39.5	300	512
700	25	10778120	960	430	1095	660	875	24 x 44	46.5	300	774
800	10	10776140	1015	470	1195	660	950	24 x 34	35	300	582
800	16	10777140	1025	470	1195	660	950	24 x 41	43	300	632
800	25	10778140	1085	470	1195	660	990	24 x 50	51	300	919
900	10	10776160	1115	510	1340	660	1050	28 x 34	37.5	300	895
900	16	10777160	1125	510	1340	660	1050	28 x 41	46.5	300	943
900	25	10778160	1185	510	1340	660	1090	28 x 50	55.5	500	1047
1000	10	10776180	1230	550	1495	670	1160	28 x 37	40	300	1081
1000	16	10777180	1255	550	1495	670	1170	28 x 44	50	300	1152
1000	25	10778180	1320	550	1495	670	1210	28 x 57	60	500	1281
1100	10	10776200	1340	590	1613	700	1270	32 x 37	42.5	300	1653
1100	16	10777200	1355	590	1613	700	1270	32 x 44	53.5	300	1741

continued on next page

BUTTERFLY VALVE DUPLEX 316L

with seat in stainless steel AISI 316L

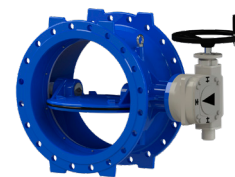
DN 150 - 1100 PN10/16/25

04.102



continued from previous page

Butterfly valve Duplex 316L with Auma IP68 (Motorizable)



Reference and dimensions

DN	PN	code	D mm	L mm	E mm	H mm	K mm	n° x d1 mm	b mm	ISO flange for actuator	Ø C mm	Kg approx.
150	10/16	10776010GSVOL	285	210	390	294	240	8 x 23	19	F10	200	-
150	25	10778010GSVOL	300	210	390	294	250	8 x 28	20	F10	200	-
200	10	10776020GSVOL	340	230	445	304	295	8 x 23	20	F10	200	-
200	16	10777020GSVOL	340	230	445	304	295	12 x 23	20	F10	200	-
200	25	10778020GSVOL	360	230	445	304	310	12 x 28	22	F10	250	-
250	10	10776030GSVOL	400	250	525	380	350	12 x 23	22	F10	250	-
250	16	10777030GSVOL	400	250	525	380	355	12 x 28	22	F10	250	-
250	25	10778030GSVOL	425	250	525	380	370	12 x 31	24.5	F10	250	-
300	10	10776040GSVOL	455	270	576	380	400	12 x 23	24.5	F10	250	-
300	16	10777040GSVOL	455	270	576	380	410	12 x 28	24.5	F10	250	-
300	25	10778040GSVOL	485	270	576	380	430	16 x 31	27.5	F10	300	-
350	10	10776050GSVOL	505	290	640	441	460	16 x 23	24.5	F10	300	-
350	16	10777050GSVOL	520	290	640	441	470	16 x 28	26.5	F10	300	-
350	25	10778050GSVOL	555	290	640	441	490	16 x 34	30	F10	300	-
400	10	10776060GSVOL	565	310	731	441	515	16 x 28	24.5	F10	300	-
400	16	10777060GSVOL	580	310	731	441	525	16 x 31	28	F10	300	-
400	25	10778060GSVOL	620	310	731	441	550	16 x 37	32	F10	300	-
450	10	10776070GSVOL	615	330	813	555	565	20 x 28	25.5	F10	300	-
450	16	10777070GSVOL	640	330	813	555	585	20 x 31	30	F10	300	-
450	25	10778070GSVOL	670	330	813	555	600	20 x 37	34.5	F10	300	-
500	10	10776080GSVOL	670	350	861	555	620	20 x 28	26.5	F10	300	-
500	16	10777080GSVOL	715	350	861	555	650	20 x 34	31.5	F10	300	-
500	25	10778080GSVOL	730	350	861	555	660	20 x 37	36.5	F10	300	-
600	10	10776100GSVOL	780	390	985	610	725	20 x 31	30	F10	300	-
600	16	10777100GSVOL	840	390	985	610	770	20 x 37	36	F10	300	-
600	25	10778100GSVOL	845	390	985	610	770	20 x 41	42	F10	300	-
700	10	10776120GSVOL	895	430	1095	660	840	24 x 31	32.5	F10	300	-
700	16	10777120GSVOL	910	430	1095	660	840	24 x 37	39.5	F10	300	-
700	25	10778120GSVOL	960	430	1095	660	875	24 x 44	46.5	F10	300	-
800	10	10776140GSVOL	1015	470	1195	660	950	24 x 34	35	F10	300	-
800	16	10777140GSVOL	1025	470	1195	660	950	24 x 41	43	F10	300	-
800	25	10778140GSVOL	1085	470	1195	660	990	24 x 50	51	F10	300	-
900	10	10776160GSVOL	1115	510	1340	660	1050	28 x 34	37.5	F10	300	-
900	16	10777160GSVOL	1125	510	1340	660	1050	28 x 41	46.5	F10	300	-
900	25	10778160GSVOL	1185	510	1340	660	1090	28 x 50	55.5	F10	500	-
1000	10	10776180GSVOL	1230	550	1495	670	1160	28 x 37	40	F10	300	-
1000	16	10777180GSVOL	1255	550	1495	670	1170	28 x 44	50	F10	300	-
1000	25	10778180GSVOL	1320	550	1495	670	1210	28 x 57	60	F14	500	-
1100	10	10776200GSVOL	1340	590	1613	700	1270	32 x 37	42.5	F10	300	-
1100	16	10777200GSVOL	1355	590	1613	700	1270	32 x 44	53.5	F14	300	-



Fucoli-Somepal
FUNDAÇÃO DE FERRO, S. R. L.

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

