CAST IRON AXIAL DISC CHECK VALVE EPDM WITH SPRING FLANGED PN16 ACS

Reference(s)
37SF1B2
37SD1B2
37SD0B2

CERTIFICAT 3.1

ACS



1. Standards

- ✓ Manufacturer certified ISO 9001: 2015 and ISO 14001 : 2015
- ✓ DIRECTIVE 2014/68/EU : Products excluded from directive (Article 1, § 2b)
- ✓ Certificate 3.1 on request
- ✓ French water agreement A.C.S. N° 20 ACC LY 724
- ✓ Pressure Tests according to ISO 5208, Rate A
- ✓ Flanges according to EN 1092-2 PN10-PN16

2. Features

Use :	Water distribution
Size :	DN50 to DN600
Connection :	Between flanges PN10/16 RF
Min Temperature :	-10°C
Max Temperature :	+120°C
Max Pressure :	16 Bars up to DN300 (10 bars over)
Specifications :	Disc type All positions Stainless steel spring Epoxy painting Weak headloss
Materials :	Cast iron EN GJL-250 body or ductile EN GJS-400-15

3. Flow coefficient Kvs (m3/h)

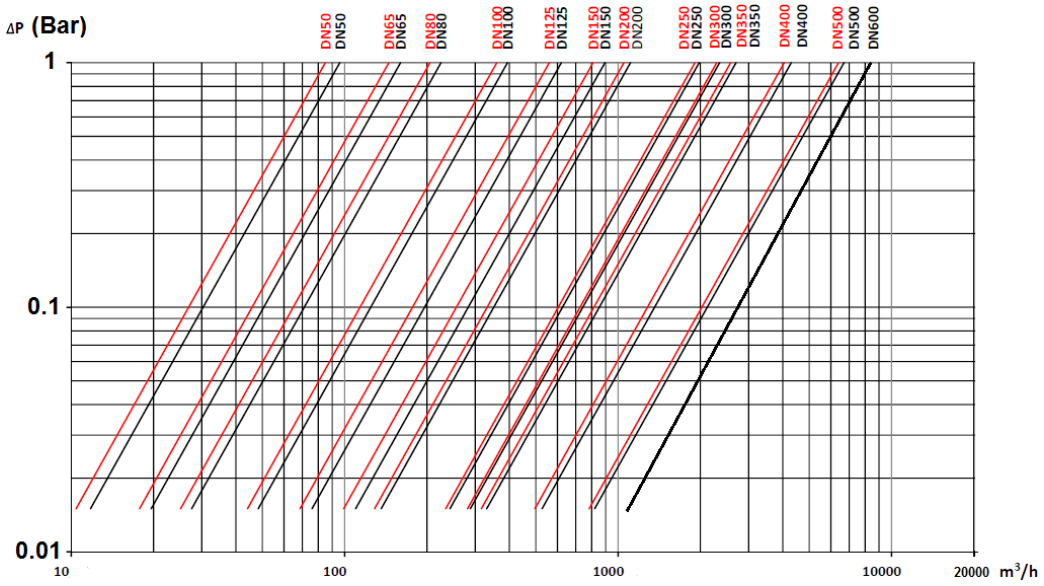
DN	50	65	80	100	125	150	200	250	300	350	400	500	600
Kvs (m3/h)	96	160	225	394	620	895	1110	1980	2350	2700	4300	6300	8400

Information provided as an indication and subject to possible modification

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4. Pressure / temperature relation

37SF1B2-37SD1B2-37SD0B2
34SF1B2-34SD1B2



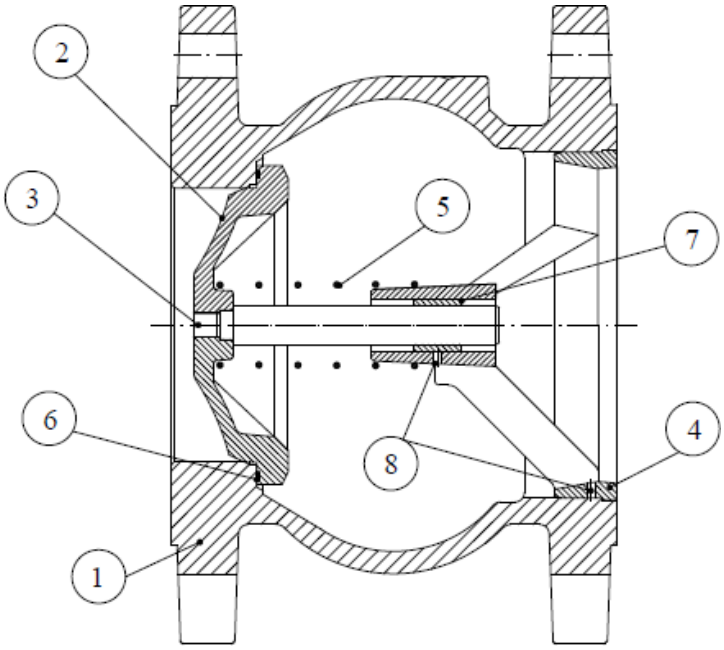
5. Opening pressure (mbar)

DN	Vertical position Ascending fluid	Horizontal position
DN 50	55 ↑	40→
DN 65	52 ↑	35→
DN 80	52 ↑	34→
DN 100	53 ↑	35→
DN 125	65 ↑	46→
DN 150	66 ↑	48→
DN 200	76 ↑	55→
DN 250	91 ↑	62→
DN 300	90 ↑	58→
DN 350	91 ↑	59→
DN 400	106 ↑	70→
DN 500	114 ↑	72→
DN 600	155 ↑	92→

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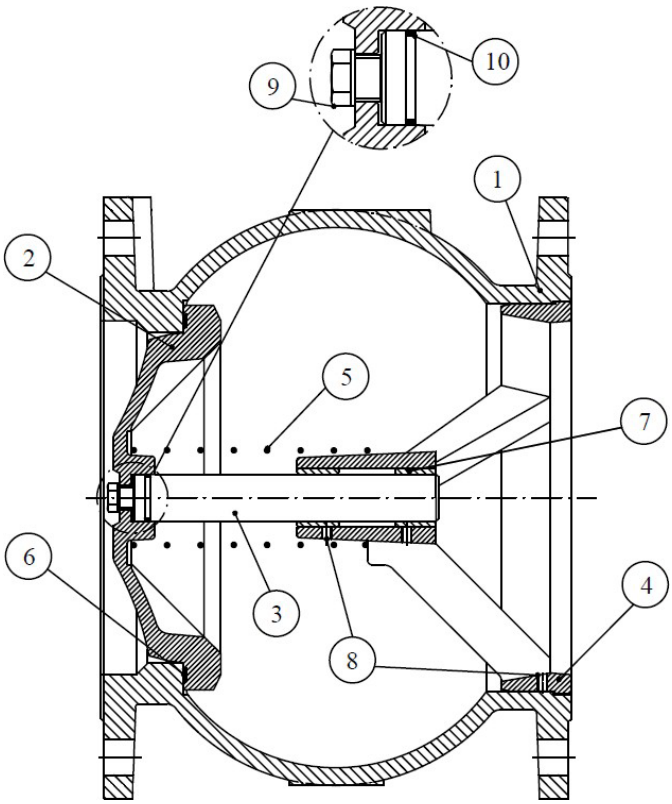
6. Materials

DN50 to DN100



Item	Designation	Materials
1	Body	Cast iron EN-GJL-250
2	Disc	Ductile iron EN-GJS-400-15
3	Stem	AISI 304L
4	Guide	Ductile iron EN-GJS-400-15
5	Spring	AISI 302
6	Gasket	EPDM
7	Bushing	Bronze
8	Pin	AISI 304

DN125 to DN300



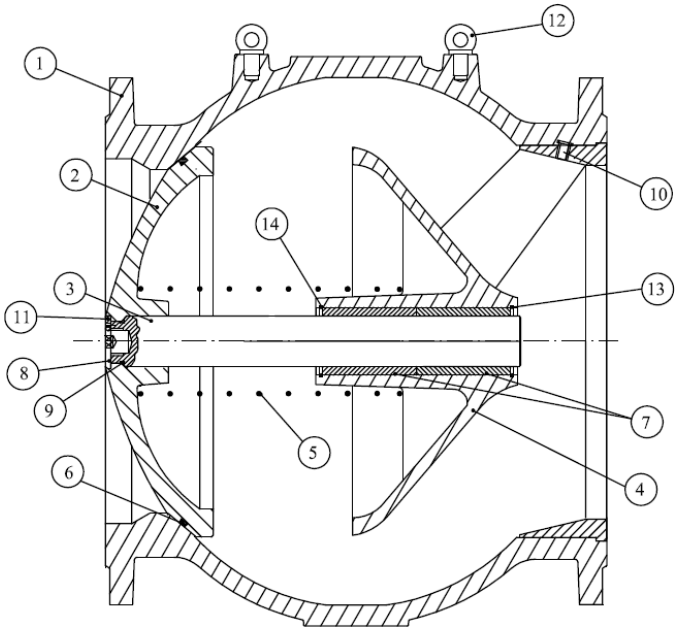
Item	Designation	Materials DN125-200	Materials DN250-300
1	Body	Cast iron EN-GJL-250	Ductile iron EN-GJS-400-15
2	Disc	Ductile iron EN-GJS-400-15	Ductile iron EN-GJS-400-15
3	Stem	AISI 304L	AISI 304
4	Guide	Ductile iron EN-GJS-400-15	Ductile iron EN-GJS-400-15
5	Spring	AISI 302	AISI 302
6	Gasket	EPDM	EPDM
7	Bushing	Bronze	Bronze
8	Pin	AISI 304	AISI 304
9	Nut	AISI 304	AISI 304
10	O ring	EPDM	EPDM

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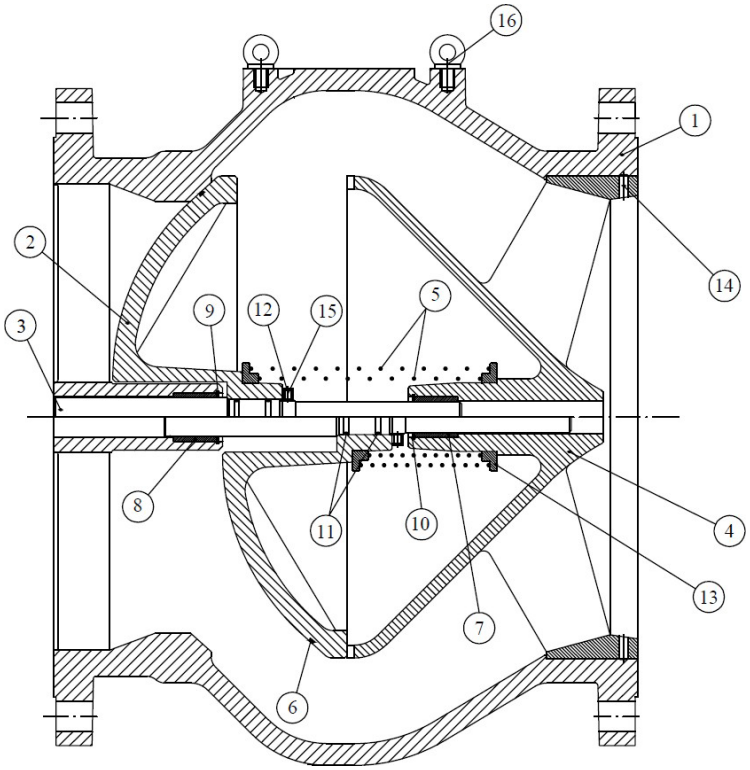
Reference(s)
37SF1B2
37SD1B2
37SD0B2

DN350 TO DN400



Item	Designation	Materials DN350	Materials DN400
1	Body	Ductile iron EN-GJS-400-15	Ductile iron EN-GJS-400-15
2	Disc	Ductile iron EN-GJS-400-15	Ductile iron EN-GJS-400-15
3	Stem	AIS 304L	AISI 316
4	Guide	Ductile iron EN-GJS-400-15	Ductile iron EN-GJS-400-15
5	Spring	AISI 302	AISI 302
6	Gasket	EPDM	EPDM
7	Bushing	Bronze	Bronze
8	Cap	AISI 304L	Steel
9	O ring	EPDM	EPDM
10	Screw	A4	AISI 304
11	Screw	A4	AISI 304
12	Lifting plug	Steel	Steel
13-14	Circlip	-	AISI 302

DN450 to DN600



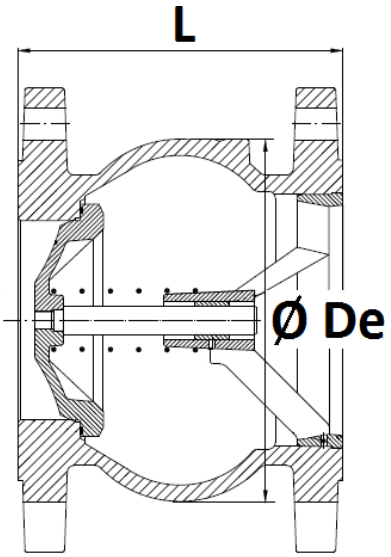
Item	Designation	Materials
1	Body	Ductile iron EN-GJS-400-15
2	Disc	Ductile iron EN-GJS-400-15
3	Stem	AISI 304L
4	Guide	Ductile iron EN-GJS-400-15
5	Spring	AISI 302
6	Gasket	EPDM
7-8	Bushing	Bronze
9-10	Circlip	AISI 302
11	O ring	EPDM
12	Nut	AISI 304L
13	Washer	AISI 304L
14-15	Screw	A4
16	Lifting plug	Steel

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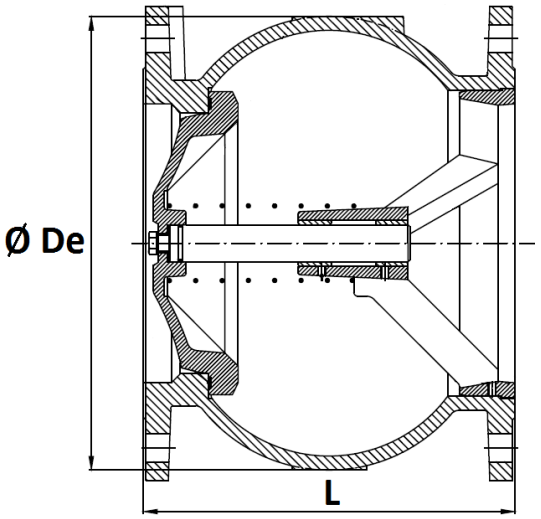
7. Size (in mm)

Du DN50 au DN300

DN50 – DN100



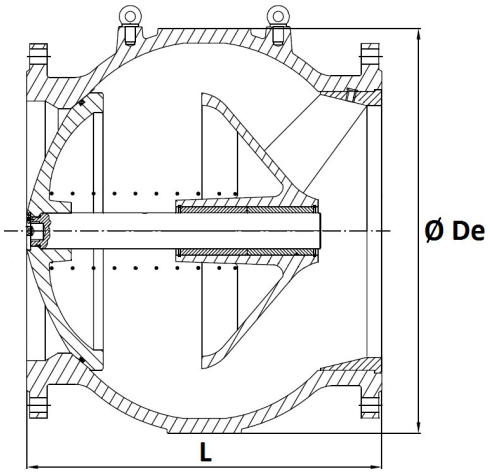
DN125 – DN300



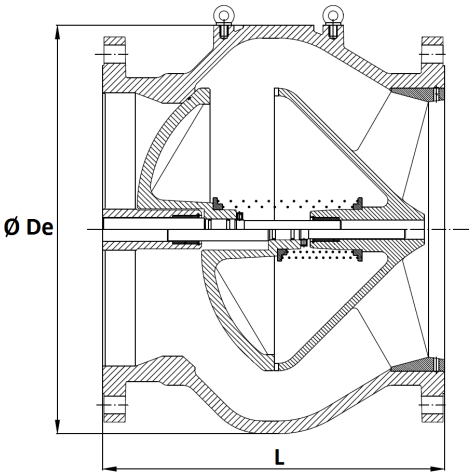
DN	50	65	80	100	125	150	200	250	300
L	105	120	140	165	195	230	290	355	400
Ø De	104	127	157	180	215	250	335	410	486
Weight (Kg)	5.42	8.22	10.13	13.53	19.5	27.07	46.8	77.2	128

Du DN350 au DN600

DN350 – DN400



DN450 – DN600



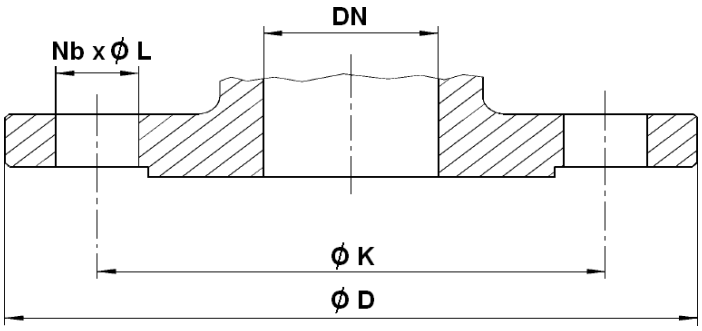
DN	350	400	500	600
L	480	550	670	750
Ø De	550	620	750	885
Weight (Kg)	185	260	480	630

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37SD0B2

Flanges size (mm)



DN	50	65	80	100	125	150	200	250	300	350	400	500	600
Ø D	165	185	200	220	250	285	340	405	460	505	565	670	780
Ø K	125	145	160	180	210	240	295	355	410	460	515	620	725
Nb x Ø L	4 x 19	4 x 19	8 x 19	8 x 19	8 x 19	8 x 23	12 x 23	12 x 28	12 x 28	16 x 23	16 x 27	20 x 26	20 x 30

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