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

Reference(s)
34SF1B2
34SD1B2

ACS sur demande on request



1. Range

- ✓ 34SF1B2 : DN50 to DN200
- ✓ 34SD1B2 : DN250 to DN300

2. Standards

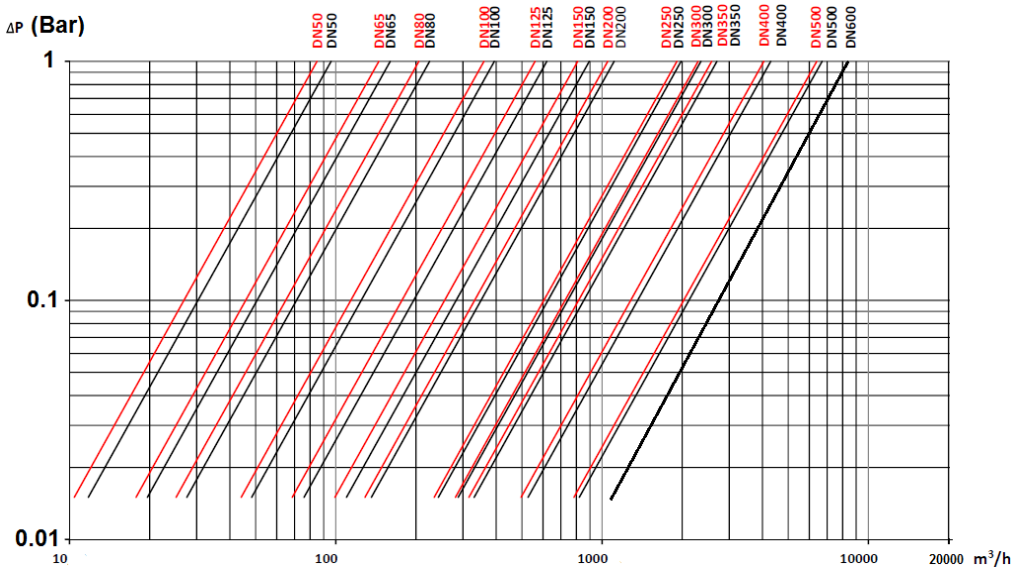
- ✓ Manufacturer certified ISO 9001: 2015 and ISO 14001 : 2015
- ✓ DIRECTIVE 2014/68/EU : Products excluded from directive (Article 1, § 2b)
- ✓ French water agreement A.C.S. N° 20 ACC LY 724
- ✓ Pressure Tests according to ISO 5208, Rate A
- ✓ Flanges according to EN 1092-2 PN10-PN16

3. Features

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

Information provided as an indication and subject to possible modification

4. Head loss graph



5. Flow coefficient Kvs (m^3/h)

DN	50	65	80	100	125	150	200	250	300
Kvs (m^3/h)	86	143	201	351	553	801	980	1750	2115

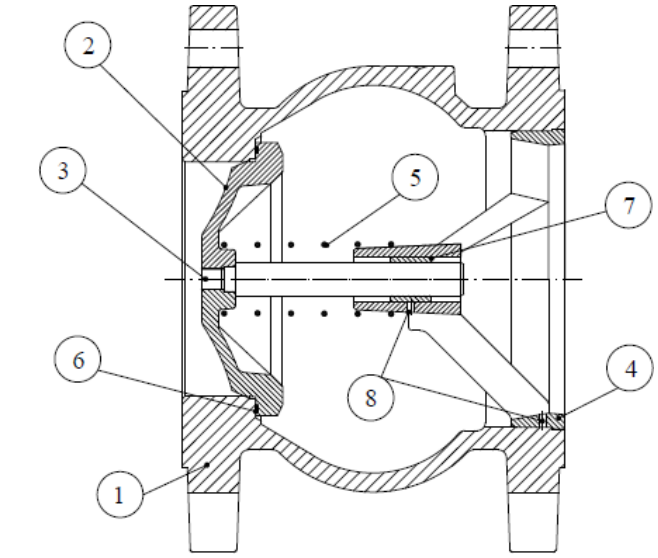
6. Opening pressure (mbar)

Range	DN	Vertical Position ascending fluid	Horizontal Position
34SF1B2	DN 50	55 ↑	40 →
	DN 65	52 ↑	35 →
	DN 80	52 ↑	34 →
	DN 100	53 ↑	35 →
34SD1B2	DN 125	65 ↑	46 →
	DN 150	66 ↑	48 →
	DN 200	76 ↑	55 →
	DN 250	91 ↑	62 →
	DN 300	90 ↑	58 →

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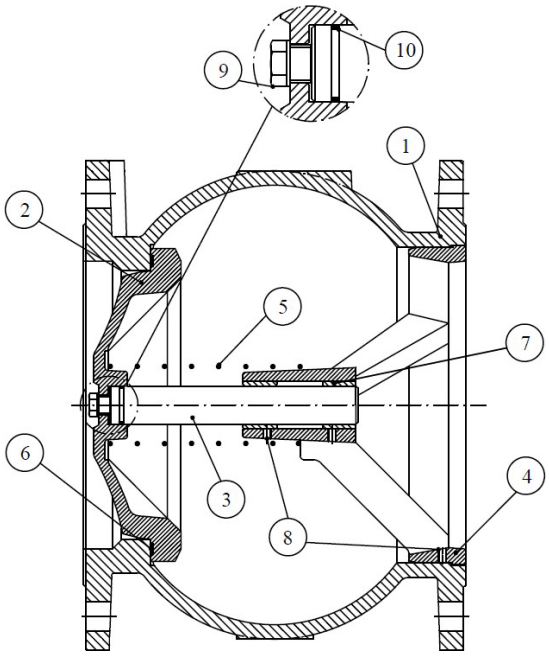
7. Materials

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

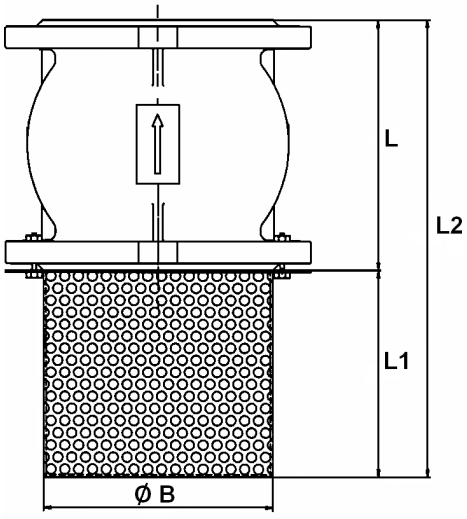
MATERIALS DN125 TO DN300 :



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

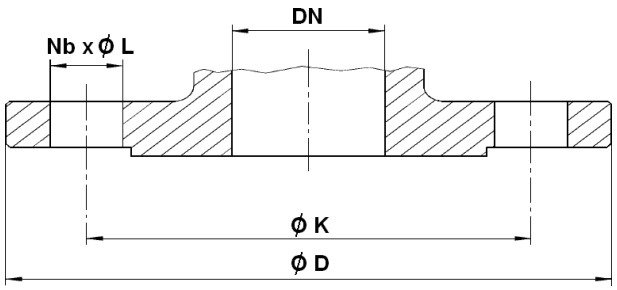
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8. Size (in mm)



	34SF1B2				34SD1B2				
DN	50	65	80	100	125	150	200	250	300
L	105	120	140	165	195	230	290	355	400
L1	77	110	125	155	170	220	300	390	410
L2	182	230	265	320	365	450	590	745	810
Ø B	93	113	128	148	178	200	255	310	360
Mesh	6	6	6	6	6	6	6	6	6
Weight (Kg)	6.01	8.98	10.95	14.73	21	28.88	49.58	81.58	133.38

Flanges size (mm)



	34SF1B2				34SD1B2				
DN	50	65	80	100	125	150	200	250	300
Ø D	165	185	200	220	250	285	340	405	460
Ø K	125	145	160	180	210	240	295	355	410
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

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