CAST IRON DUAL PLATE CHECK VALVE STAINLESS STEEL DISC EPDM SEAT

CE | CERTIFICAT 3.1 sur demande | TÜVRheinland PED/2014/68/UE | Lloyd's Register TYPE APPROVAL



References	Working pressure	∅ DN														
		40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
33SF1E1	16 bar	●	●	●	●	●	●	●	●	●	●					
33SF0E1	10 bar											●	●	●	●	●

1. Standards

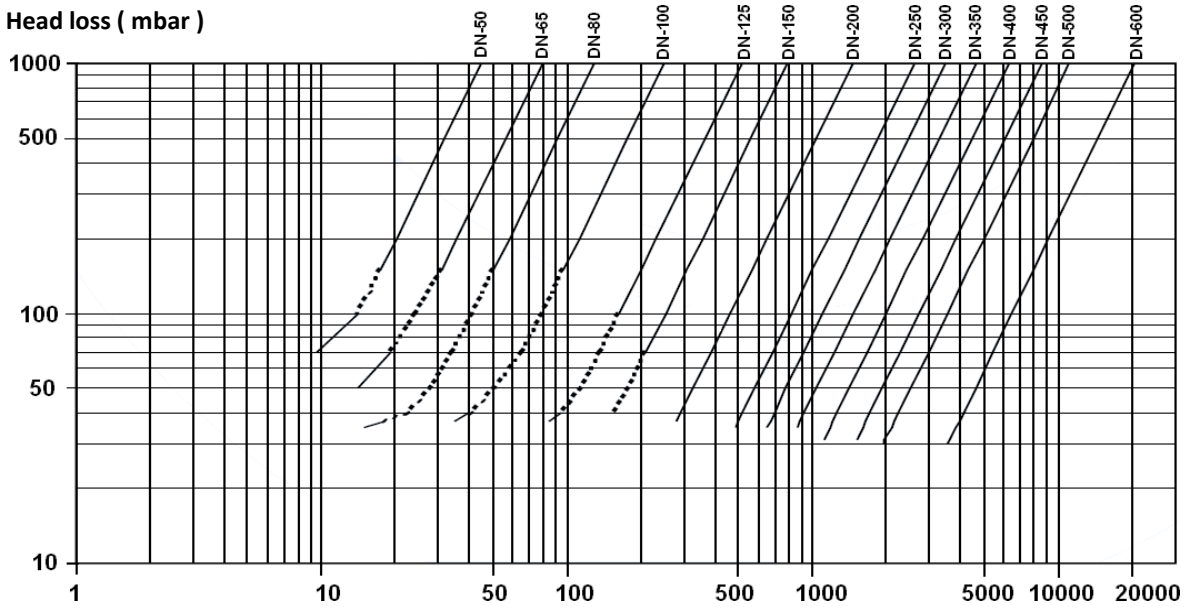
- ✓ Manufacturer certified ISO 9001 : 2015
- ✓ DIRECTIVE 2014/68/EU : CE N° 0035Risk Category III Module H
- ✓ Certificate 3.1 on request
- ✓ Designing according to API 594
- ✓ Pressure tests according to API 598, table 6
- ✓ Length according to EN 558 Series 50
- ✓ Between flanges according to EN 1092-1 PN10/16
- ✓ Check valves according to LR Rules and Regulation for the classification of Ships, July 2019 (Type Approval Certificate) **Marine LLOYD'S REGISTER.** LR Type Approval System Test Specification Number2, Chapter 8, Appendix 7-Valves :
  - BS EN 12266-1 : 2003
  - ISO 52008:2008
  - BS EN 1561
  - BS EN 1563
  - ASTM A431

2. Features

Use :	Heating, water distribution
Size :	DN 50 to DN600
Raccordement :	Between flanges PN10/16, Class 150 (PN20) (only for body with holes from DN50 to DN80)
Min Temperature :	-10°C
Max Temperature :	+110°C
Max Pressure :	16 Bars up to DN300
Specifications :	EPDM vulcanized seat Horizontal or vertical position with ascendant fluid Wafer type Hoisting eye from DN200 to 600 Weak headloss
Materials :	Cast iron EN GJL-250 body

Information provided as an indication and subject to possible modification

3. Head loss graph

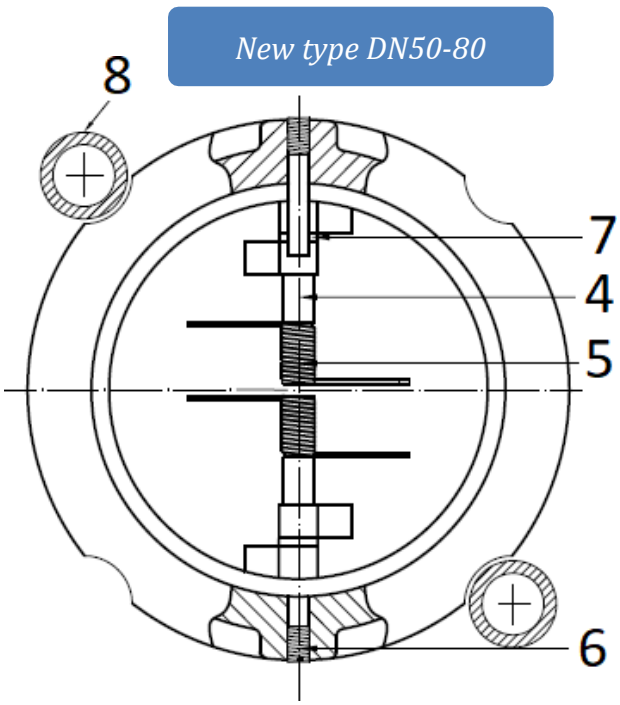


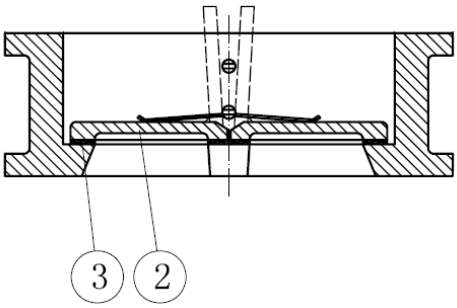
4. Opening pressure (in mbar) :

DN	50	65	80	100	125	150	200	250	300
Horizontalposition	230	94	190	280	160	79	41	38	31
Vertical position ascend. fluid	260	114	230	320	180	95	57	58	56

5. Materials

DN40 to DN80 :





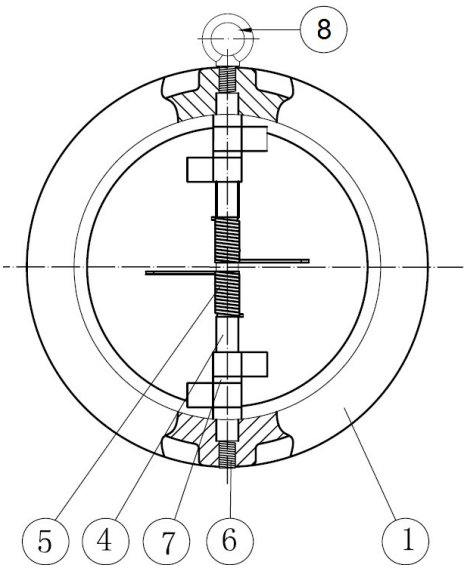
Item	Designation	Materials
1	Body	Cast iron EN-GJL 250
2	Disc	ASTM A351 CF8M
3	Seat	EPDM
4	Shaft	AISI 316
5	Spring	
6	Screw	Galvanized carbon steel
7	Spacer	PTFE
8*	Ring	PPR

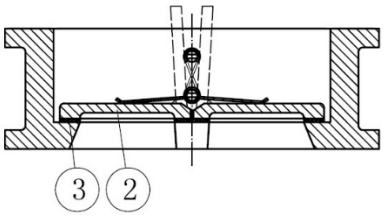
*Only for DN50 new type

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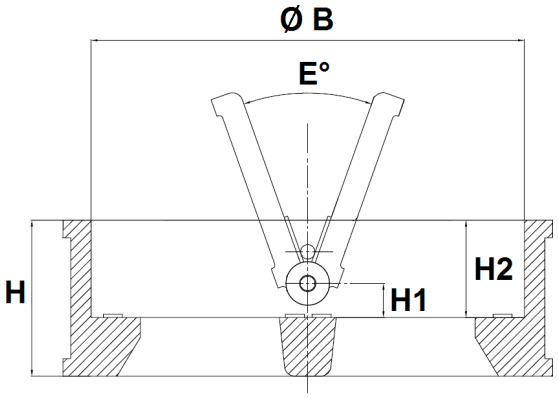
DN100 to DN600 :

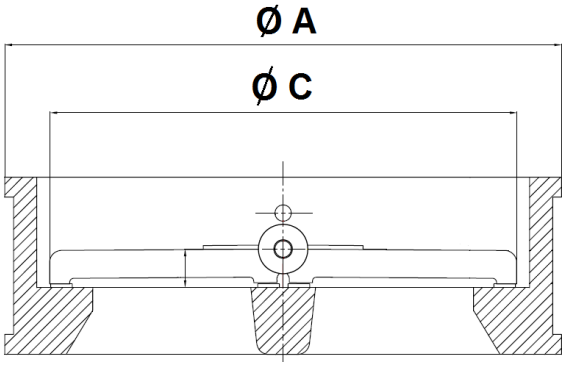




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2	Disc	ASTM A351 CF8M
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4	Shaft	AISI 316
5	Spring	
6	Screw	Galvanized carbon steel
7	Spacer	PTFE
8	Hoisting eye *(From DN200 to 600)*	AISI 304 stainless steel

6. Size (in mm)

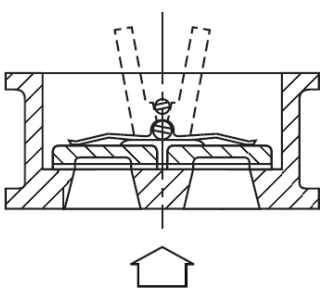




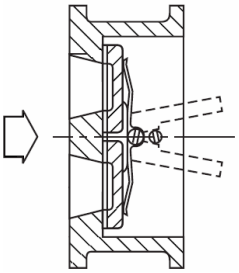
DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
H	54	54	57	64	70	76	95	108	143	184	191	203	213	222
H1	14.4	16.9	19.9	21	22.3	22.5	28	34	37	35	37.5	42.2	39.5	48.5
H2	43	43	45	47	51	54	69	71	100	120	123	122.6	132	138.5
Ø A	109	129	144	164	194	220	275	330	380	440	491	541	596	697
Ø B	70.5	83.5	91.5	115.5	142.5	169.5	220.5	275.5	325.5	356	406	467	514	616
Ø C	60.5	75.8	80.5	104.5	130.3	155.9	201.2	257.2	303.3	345.9	388.6	431.2	486.8	607.6
E°	0°	0°	0°	0°	0°	0°	0°	0°	0°	20°	20°	20°	25°	25°
Weight (Kg)	1.62	2.3	3.14	4.5	6.7	9.05	16	26.9	38.9	80	106	128	158	225

7. Installation positions

Vertical position (ascendant fluid)



Horizontal position



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