

Ref. : CB 3449.pas

Rev. : Initial

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WAFER TYPE DUAL PLATE CHECK VALVE

CB 3449



APPLICATION

General use : Heating, water distribution, sea water.

GENERAL CHARACTERISTICS

Range from DN50 to DN300.
 Vulcanized gasket.
 Hoisting eye from DN200.
 Short length, anti-corrosion stainless steel spring
 PTFE bushing, weak head loss
 Vertical position with ascendant fluid or horizontal position
 (respect the flow direction indicated by the arrow)
 Between flanges ISO PN10/16
 Anti-corrosion epoxy painting RAL003 50-100 microns thickness



CONSTRUCTION

8		Hoisting eye	Stainless steel 304
7		Spacer	PTFE
6	6	Screw	Galvanised carbon steel
5	2	Spring	Stainless steel 316
4	2	Stem	Stainless steel 316
3	2	Seat	EPDM
2	2	Disc	Stainless steel ASTM A351 CF8M
1	2	Body	Cast iron EN-GJL 250
Pos.	Q-ty	Description	Material

DIMENSIONS

DN		H	H1	H2	Ø C	Ø B	Ø A	E°	Weight (kg)
mm	inch								
50	2"	54	14,4	43	59	70,5	109	0°	1,62
65	2 1/2"	54	16,9	43	73	83,5	129	0°	2,3
80	3"	57	19,9	45	80,8	91,5	144	0°	3,14
100	4"	64	21	47	102,8	115,5	164	0°	4,5
125	5"	70	22,3	51	126,8	142,5	194	0°	6,7
150	6"	76	22,5	54	77,4	169,5	220	0°	9,05
200	8"	95	28	69	99,4	220,5	275	0°	16
250	10"	108	34	71	125,2	275,5	330	0°	26,9
300	12"	143	37	100	149,2	325,5	380	0°	38,9

WORKING CONDITIONS

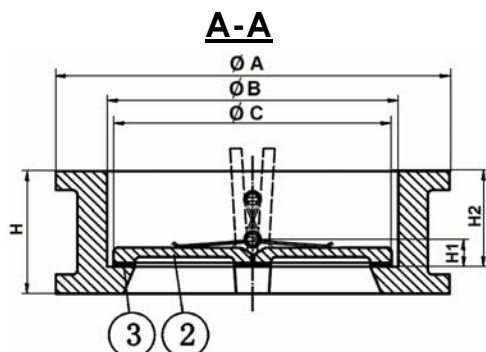
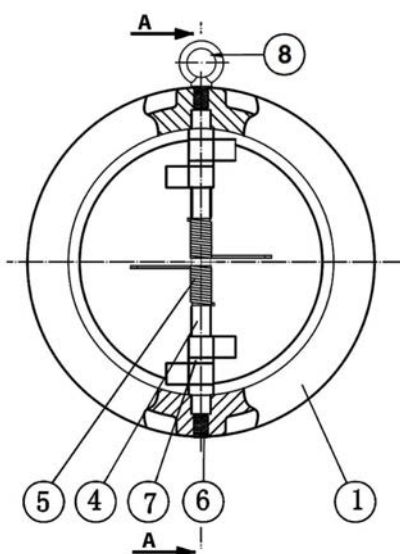
Maximum working temperature : - 10°C à + 110°C
 Maximum working pressure : 16 bar

Do not use with pulsatory speed

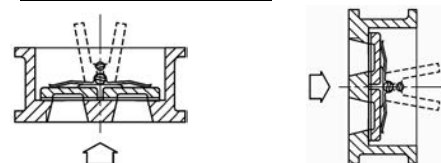
Test pressure according to EN 12266-1,
 DIN 3230, BS 6755 and ISO 5208 :
 Body : 24 bar.
 Seat : 17,6 bar.

STANDARDS

Directive 2014/68/UE
 Designing according to API 594
 Tests according to API 598
 Length according to EN 558 Series 50
 Between flanges according to EN 1092-2 PN10/16



Installation position

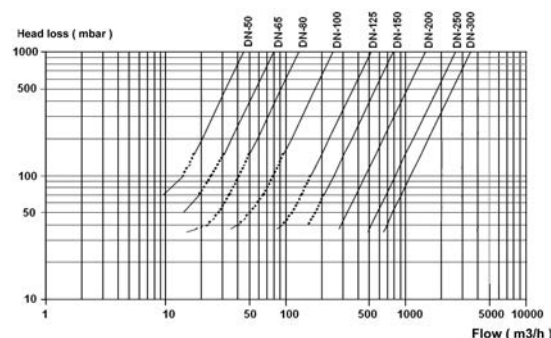


Vertical position (ascendant fluid) Horizontal position

Minimum opening pressure (in mbar)

DN		Horizontal position	Vertical position ascendant fluid
mm	inch		
50	2"	230	260
65	2 1/2"	94	114
80	3"	190	230
100	4"	280	320
125	5"	160	180
150	6"	79	95
200	8"	41	57
250	10"	38	58
300	12"	31	56

Head losses Diagrams



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