WAFER TYPE
DUAL PLATE CHECK VALVE
CB 3449

Ref. : CB 3449.pas

Rev. : Initial

Date : 16/04/2015

PA Ventiler AB

GO WITH OUR FLOW

APPLICATION

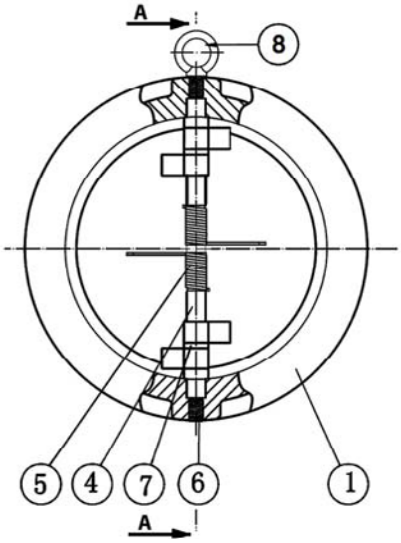
General use : Heating, water distribution, sea water.

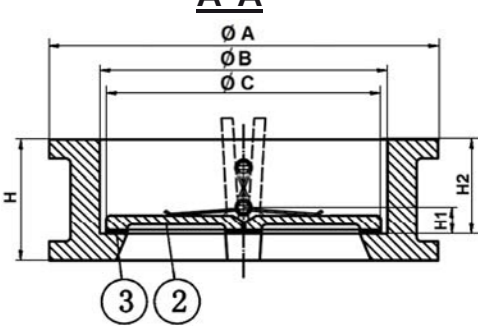
GENERAL CHARACTERISTICS

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**

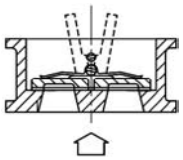




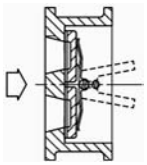
DIMENSIONS

DN		H	H1	H2	Ø C	Ø B	ØA	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	116	164	0°	4,5
125	**5"**	70	22,3	51	126,8	143	194	0°	6,7
150	**6"**	76	22,5	54	77,4	170	220	0°	9,05
200	**8"**	95	28	69	99,4	221	275	0°	16
250	**10"**	108	34	71	125,2	276	330	0°	26,9
300	**12"**	143	37	100	149,2	326	380	0°	38,9

Installation position



Vertical position (ascendant fluid)



Horizontal position

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

Fabrication according to ISO 9001 : 2008
DIRECTIVE 2014/68/UE
Risk Category III Module H
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

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