

WAFER TYPE DUAL PLATE CHECK VALVE CB 3442

Ref. : CB 3442.pas

Rev. : Initial

Date : 22/12/2014



PA Ventil AB

GO WITH OUR FLOW

APPLICATION

General use : Heating, water distribution, sea water.

GENERAL CHARACTERISTICS

Vulcanized gasket
Hoisting eye from DN200 to 600
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
Bronze-Aluminium disc

CONSTRUCTION

8		Hoisting eye	SS 304
7		Spacer	PTFE
6	6	Screw	Galvanised carbon steel
5	2	Spring	SS 316
4	2	Stem	SS 316
3	2	Seat	NBR
2	2	Disc	Bronze -Alu C954
1	2	Body	Ductile iron EN-GJS-400-15
Pos.	Q-ty	Description	Material

DIMENSIONS

DN		H	H1	H2	Ø C	Ø B	Ø A	Weight (kg)
mm	inch							
50	2"	54	14,4	43	59	70,5	109	1,65
65	2 1/2"	54	16,9	43	73	83,5	129	2,4
80	3"	57	19,9	45	80,8	91,5	144	3,1
100	4"	64	21	47	102,8	116	164	4,85
125	5"	70	22,3	51	126,8	143	194	6,4
150	6"	76	22,5	54	177,4	170	220	9,1
200	8"	95	28	69	199,4	221	275	16,9
250	10"	108	34	71	225,2	276	330	27,5
300	12"	143	37	100	249,2	326	380	35,9
350	14"	184	35	120	335	356	440	81
400	16"	191	37,5	123	388	406	491	107
450	18"	203	42,2	122,6	430	467	541	129
500	20"	213	39,5	132	480	514	596	160
600	24"	222	48,5	138,5	585	616	697	228

WORKING CONDITIONS

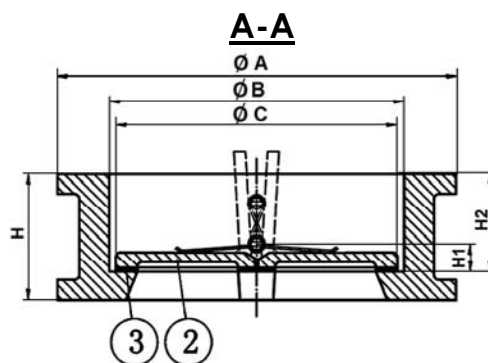
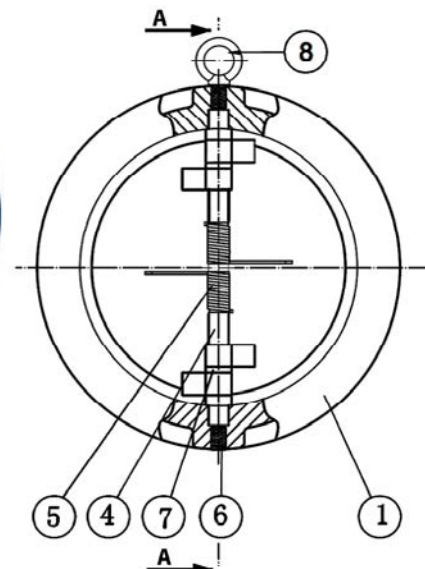
Maximum working temperature : - 10°C à + 110°C (DN50-400)
: - 10°C à + 80°C (DN450-600)
Maximum working pressure : 16 bar (DN50-300)
: 10 bar over.

Do not use with pulsatory speed

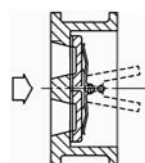
Test pressure according to EN 12266-1,
DIN 3230, BS 6755 and ISO 5208 :
Body : 24 bar.
Seat : 17,6 bar.

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

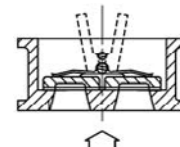


Installation position



Horizontal position

Installation position



Vertical position (ascendant fluid)

Minimum opening pressure (in mbar)

DN		Horizontal Position	Verticale 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

