

Ref. : CB 3442.pas

Rev. : C

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Page : 1/1

WAFER TYPE DUAL PLATE CHECK VALVE

CB 3442



APPLICATION

General use : Heating, water distribution, sea water.

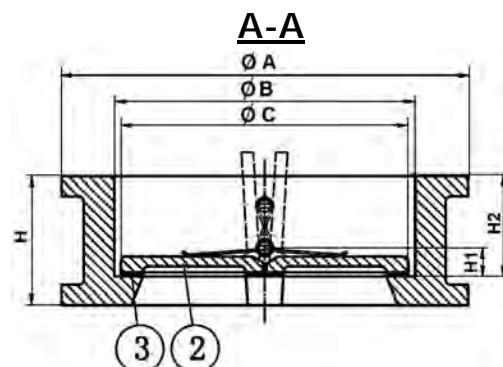
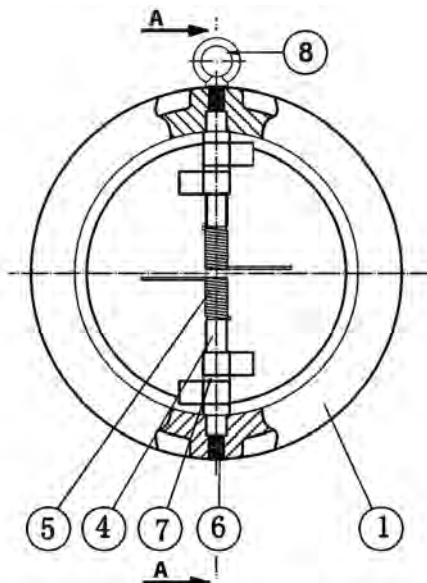
GENERAL CHARACTERISTICS

- Vulcanized gasket
- Hoisting eye from DN200 to 350
- 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

| Pos. | Q-ty | Description | Material |
|------|------|--------------|----------------------------|
| 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 |



DIMENSIONS

| DN | | H | H1 | H2 | Ø C | Ø B | ØA | Weight (kg) |
|-----|--------|-----|------|-----|-------|------|-----|-------------|
| mm | inch | | | | | | | |
| 50 | 2" | 54 | 14,4 | 43 | 60,5 | 70,5 | 109 | 1,65 |
| 65 | 2 1/2" | 54 | 16,9 | 43 | 75,8 | 83,5 | 129 | 2,4 |
| 80 | 3" | 57 | 19,9 | 45 | 80,5 | 91,5 | 144 | 3,1 |
| 100 | 4" | 64 | 21 | 47 | 104,5 | 116 | 164 | 4,85 |
| 125 | 5" | 70 | 22,3 | 51 | 130,3 | 143 | 194 | 6,4 |
| 150 | 6" | 76 | 22,5 | 54 | 155,9 | 170 | 220 | 9,1 |
| 200 | 8" | 95 | 28 | 69 | 201,2 | 221 | 275 | 16,9 |
| 250 | 10" | 108 | 34 | 71 | 257,2 | 276 | 330 | 27,5 |
| 300 | 12" | 143 | 37 | 100 | 303,3 | 326 | 380 | 35,9 |
| 350 | 14" | 184 | 35 | 120 | 345,9 | 356 | 440 | 81 |

WORKING CONDITIONS

Maximum working temperature : - 10°C / + 80°C
 Maximum working pressure : 16 bar (DN50-300)
 : 10 bar for DN350.

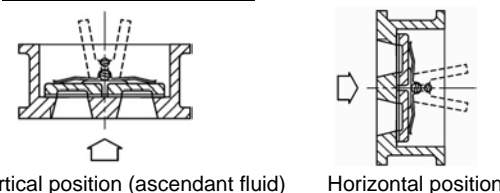
Do not use with pulsatory speed

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



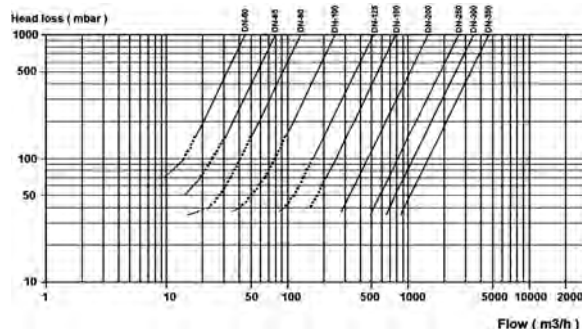
Vertical position (ascendant fluid)

Horizontal position

Minimum opening pressure (in mbar)

| DN | | Horizontal Position | 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



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