

## STAINLESS STEEL DUAL PLATE CHECK VALVE FKM SEAT

Stainless steel dual plate check valve for chemical and pharmaceutical industries, petrochemical industries and hydraulic installation.

Stainless steel body and disc with FKM vulcanized seat.

Wafer type with short length and with a hoisting eye from DN200 to 600 for easy installation.

**Certificate**

**3.1**



**Size :** DN 50 to 600

**Connection :** Between flanges PN10/16, PN25 or Class 150 (PN20)

**Min Temperature :** -10°C

**Max Temperature :** +180°C

**Max Pressure :** 16 Bars up to DN300

**Specifications :** FKM vulcanized seat

Horizontal or vertical position with ascendant fluid

Wafer type

Hoisting eye from DN200 to 600

Weak headloss

**Materials :** Stainless steel ASTM A351 CF8M body

## STAINLESS STEEL DUAL PLATE CHECK VALVE FKM SEAT

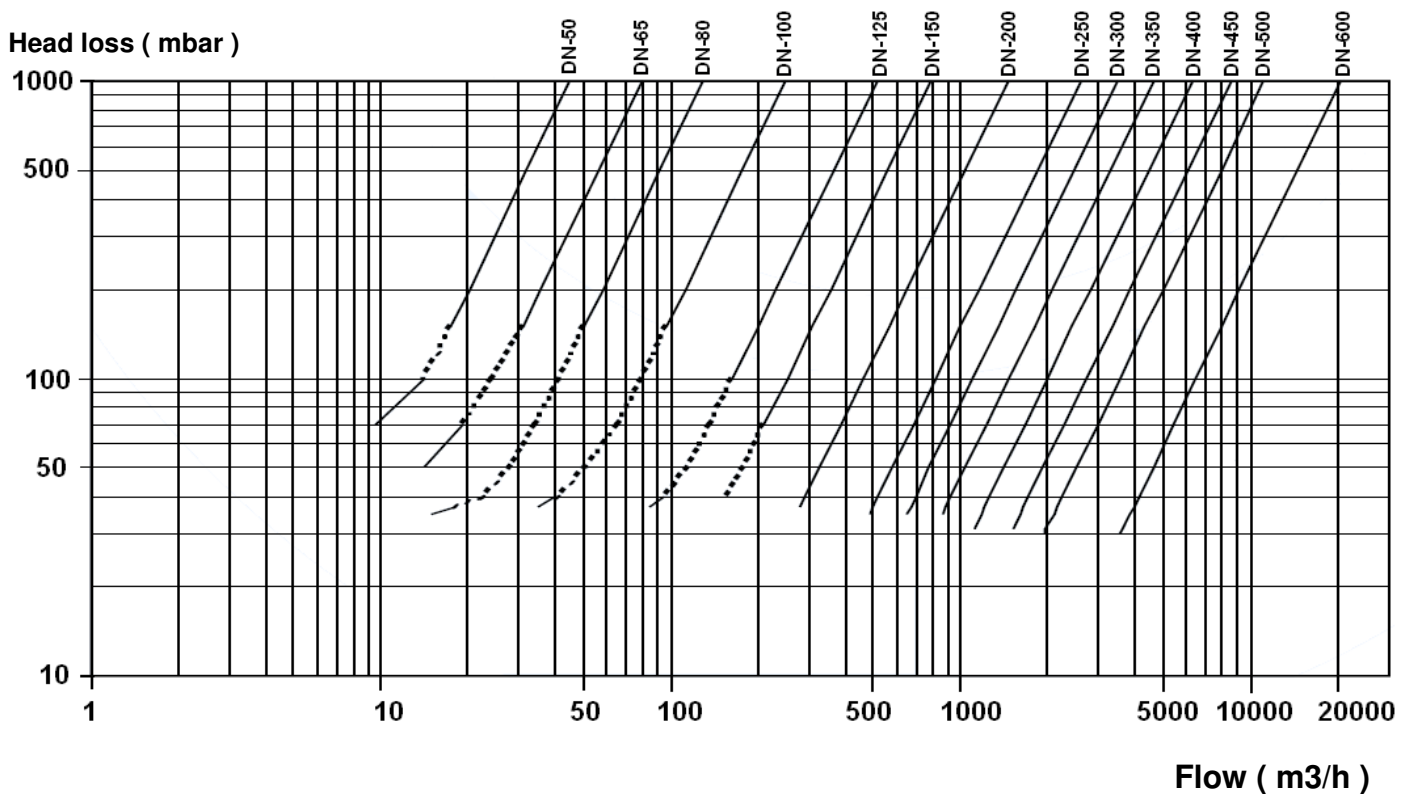
**SPECIFICATIONS :**

- 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 PN10/16, PN25 or Class 150 PN20
- Minimum backpressure for tightness : 2 bars

**USE :**

- Chemical and pharmaceutical industries, petrochemical industries, hydraulic installation
- Min and max Temperature Ts : - 10°C to + 180°C
- Max Pressure Ps : 16 bars up to DN300 included and 10 bars over
- **Do not use with pulsatory speed**

**HEAD LOSS GRAPH :**

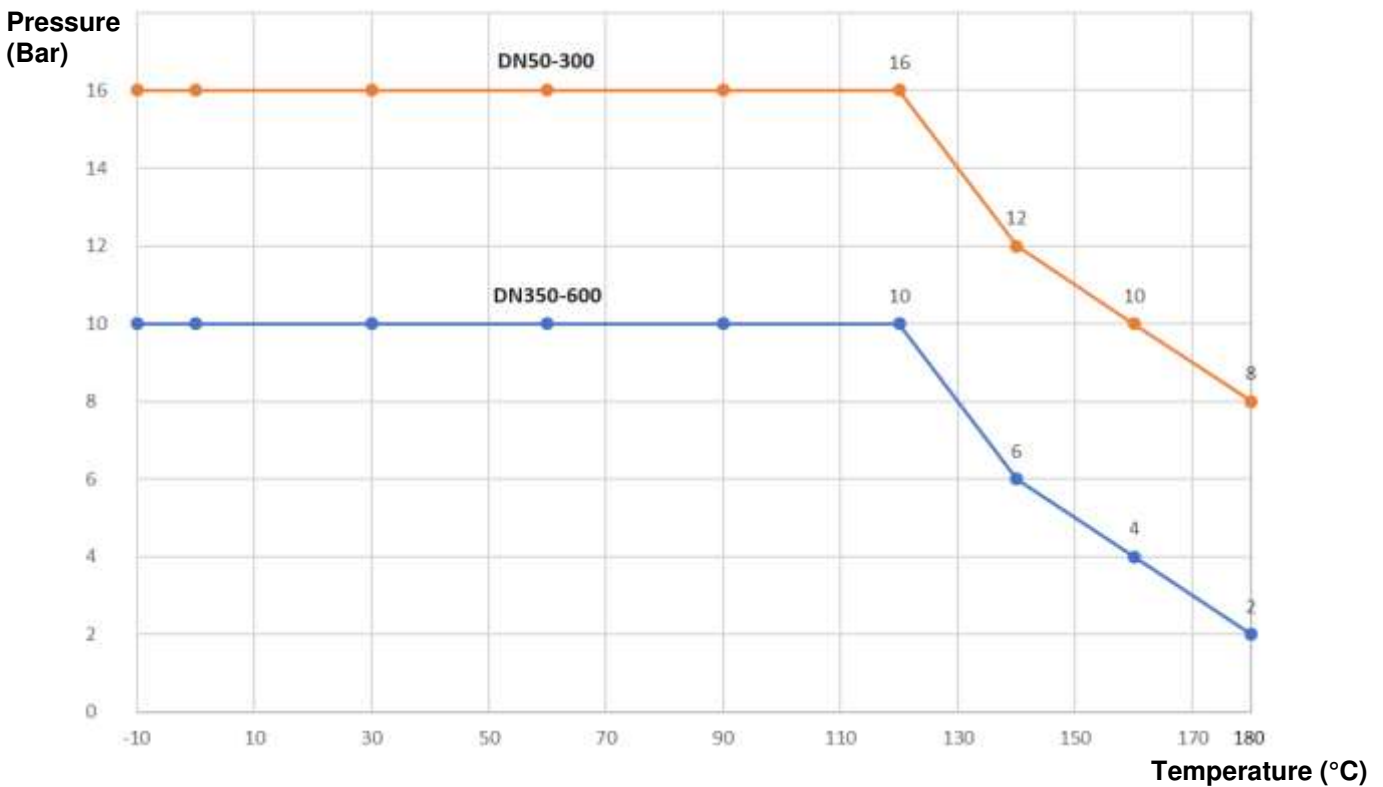


## STAINLESS STEEL DUAL PLATE CHECK VALVE FKM SEAT

**OPENING PRESSURE ( in mbar ):**

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

**PRESSURE / TEMPERATURE GRAPH :**



**RANGE :**

- Dual plate check valve with Stainless steel body and disc FKM gaskets **Ref. 372** From DN50 to 600

**CONNECTION :**

| DN   | 50      | 65      | 80      | 100     | 125     | 150     | 200     |         |
|------|---------|---------|---------|---------|---------|---------|---------|---------|
| PN   | PN10/40 |         |         |         | PN25/40 | PN10/40 | PN10/16 |         |
| Ref. | 372050* | 372065* | 372080* | 372100* | 372102* | 372125* | 372151* | 372201* |

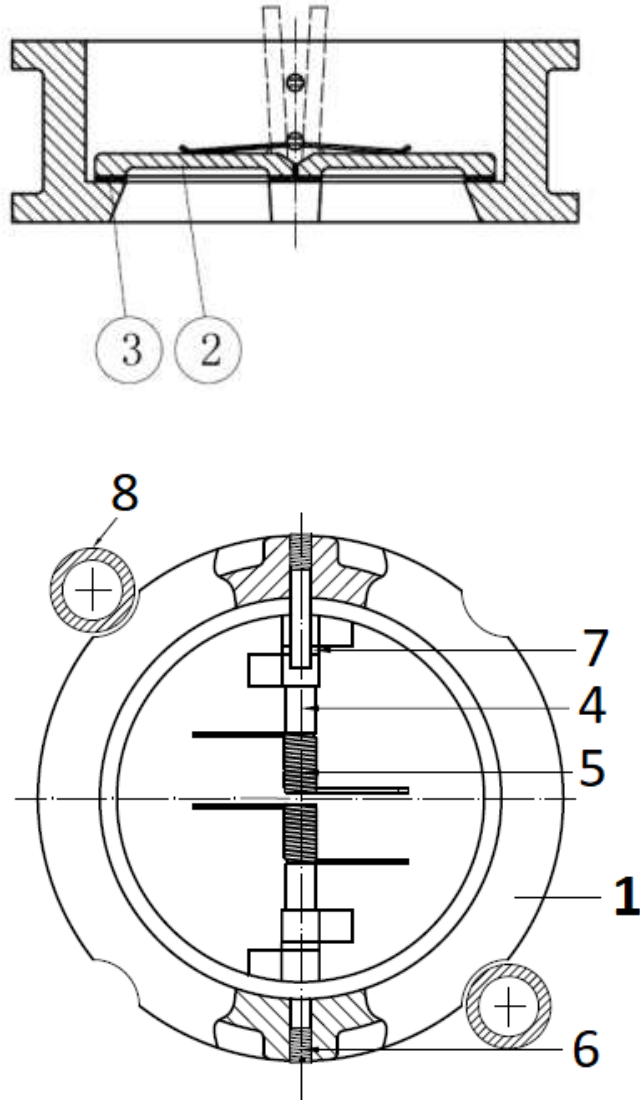
| DN   | 150    | 200    | 250     | 300     | 350     | 400     | 450     | 500     | 600     |
|------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| PN   | PN25   |        |         | PN10/16 |         |         |         |         |         |
| Ref. | 372150 | 372200 | 372250* | 372300* | 372350* | 372400* | 372450* | 372500* | 372600* |

\*Between flanges Class 150 PN20 possible



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MATERIALS DN50-80 :

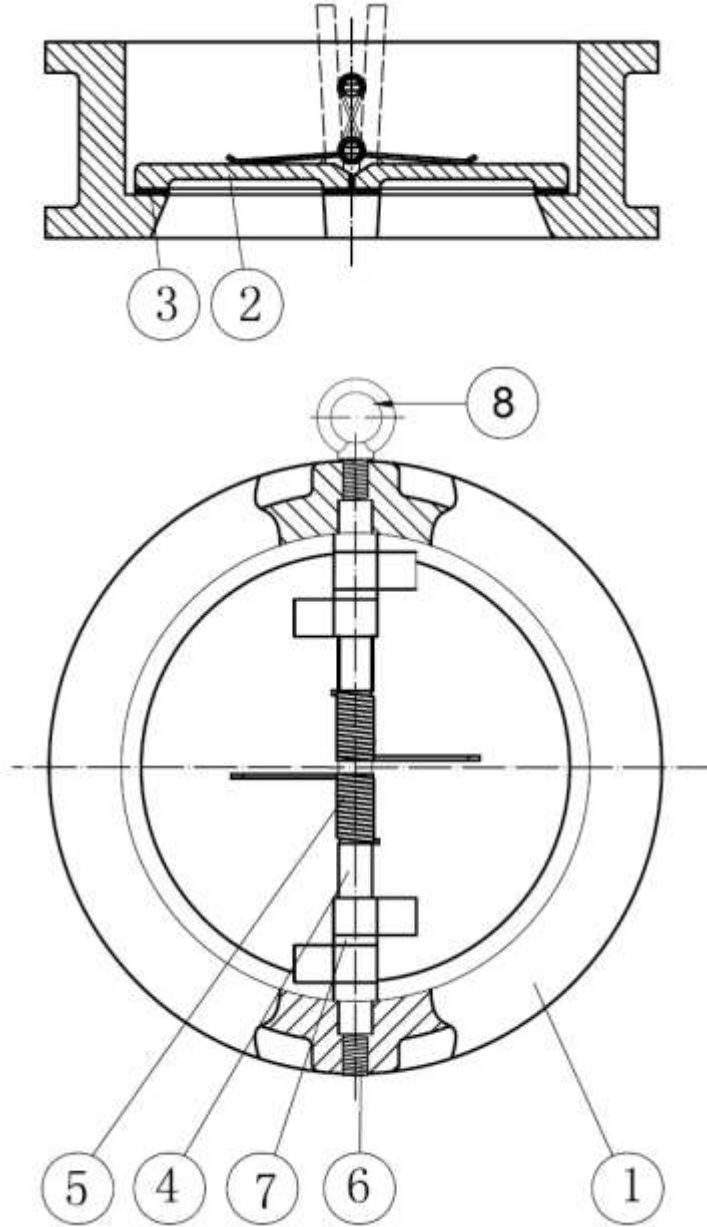


| Item          | Designation            | Materials      |
|---------------|------------------------|----------------|
| 1             | Body                   | ASTM A351 CF8M |
| 2             | Disc                   |                |
| 3             | Seat                   | FKM            |
| 4             | Shaft                  | AISI 316       |
| 5             | Spring                 |                |
| 6             | Screw                  |                |
| 7             | Spacer                 | PTFE           |
| 8 (only DN50) | Centering ring PN10/16 | PPR            |



**STAINLESS STEEL DUAL PLATE CHECK VALVE FKM SEAT**

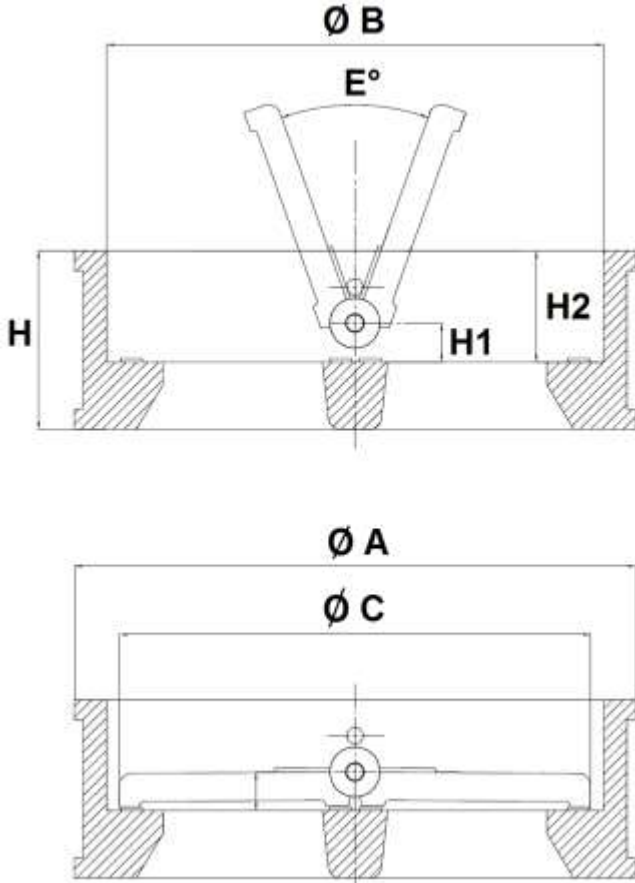
**MATERIALS DN100 - 600 :**



| Item | Designation                      | Materials      |
|------|----------------------------------|----------------|
| 1    | Body                             | ASTM A351 CF8M |
| 2    | Disc                             |                |
| 3    | Seat                             | FKM            |
| 4    | Shaft                            | AISI 316       |
| 5    | Spring                           |                |
| 6    | Screw                            |                |
| 7    | Spacer                           | PTFE           |
| 8    | Hoisting eye (from DN200 to 600) | AISI 304       |

## STAINLESS STEEL DUAL PLATE CHECK VALVE FKM SEAT

**SIZE ( in mm ) :**



| PN            | PN10/40 - Class 150 |        |        |        |        | PN25   |        |
|---------------|---------------------|--------|--------|--------|--------|--------|--------|
| DN            | 50                  | 65     | 80     | 100    | 125    | 150    | 200    |
| H             | 54                  | 54     | 57     | 64     | 70     | 76     | 95     |
| H1            | 14.4                | 16.9   | 19.9   | 21     | 22.3   | 22.5   | 28     |
| H2            | 43                  | 43     | 45     | 47     | 51     | 54     | 69     |
| Ø A           | 109                 | 129    | 144    | 164    | 194    | 226    | 285    |
| Ø B           | 70.5                | 83.5   | 91.5   | 115.5  | 142.5  | 169.5  | 220.5  |
| Ø C           | 60.5                | 75.8   | 80.5   | 104.5  | 130.3  | 155.9  | 201.2  |
| E°            | 0°                  | 0°     | 0°     | 0°     | 0°     | 0°     | 0°     |
| Weight ( Kg ) | 1.84                | 2.4    | 3.35   | 5.05   | 6.68   | 9.6    | 18.07  |
| Ref.          | 372050              | 372065 | 372080 | 372100 | 372125 | 372150 | 372200 |

| PN            | PN25/40 CI150 | PN10/16 - Class 150 |        |        |        |        |        |        |        |        |
|---------------|---------------|---------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| DN            | 100           | 150                 | 200    | 250    | 300    | 350    | 400    | 450    | 500    | 600    |
| H             | 64            | 76                  | 95     | 108    | 144    | 184    | 191    | 203    | 213    | 222    |
| H1            | 21            | 22.5                | 28     | 34     | 37     | 35     | 37.5   | 42.2   | 39.5   | 48.5   |
| H2            | 47            | 54                  | 69     | 71     | 100    | 120    | 123    | 122.6  | 132    | 138.5  |
| Ø A           | 170           | 220                 | 275    | 330    | 380    | 440    | 491    | 541    | 596    | 698    |
| Ø B           | 115.5         | 169.5               | 220.5  | 275.5  | 325.5  | 356    | 406    | 467    | 514    | 616    |
| Ø C           | 104.5         | 155.9               | 201.2  | 257.2  | 303.3  | 345.9  | 388.6  | 431.2  | 486.8  | 607.6  |
| E°            | 0°            | 0°                  | 0°     | 0°     | 0°     | 20°    | 20°    | 20°    | 25°    | 25°    |
| Weight ( Kg ) | 5.05          | 9.6                 | 18.07  | 26.9   | 38.9   | 80     | 106    | 128    | 158    | 225    |
| Ref.          | 372102        | 372151              | 372201 | 372250 | 372300 | 372350 | 372400 | 372450 | 372500 | 372600 |

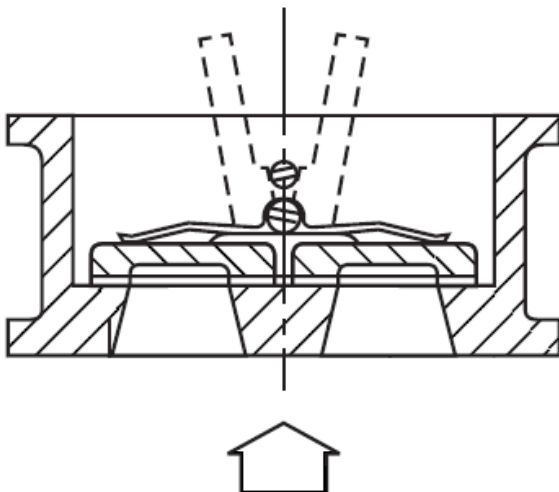
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### STANDARDS :

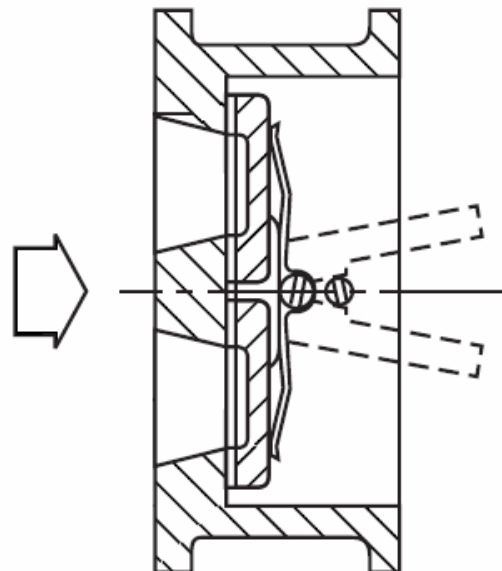
- Manufacturer certified ISO 9001 : 2015 and ISO 14001 : 2015
- DIRECTIVE 2014/68/EU : For liquids and gas of Group 1
  - DN50 : Risk category I, CE marking
  - DN65-200 : Risk Category II, CE0035 marking
  - DN250-300 : Risk Category III, CE0035 marking
  - DN350 : Risk Category II, CE0035 marking
  - DN400-600 : Risk Category III, CE0035 marking
- 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 PN10/16/25

### INSTALLATION POSITIONS :

Vertical position ( ascendant fluid )



Horizontal position



**ADVICE :** Our opinion and our advice are not guaranteed and we shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.