

## Technical data sheet

# TYPE 408X

Non return valve  
System B

### Applications and special features



- Vertical ascending and horizontal position (position the ball housing above the axis of the pipe)
- Minimum head loss
- Silent, robust
- Non incrustating materials
- Closing system : cast iron ball FKM coating
- Sealing guaranteed by the coating of the ball.

### Technical description

#### Important notice :

The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

| DN<br>"          | PN<br>mm | PFA<br>in bar | PS in bar |    |    |     | Cat. | References | Vvs-nr     |
|------------------|----------|---------------|-----------|----|----|-----|------|------------|------------|
|                  |          |               | L1        | L2 | G1 | G2  |      |            |            |
| 2                | 50       | 10/16         | 16        | 16 | 16 | 16  | I    | 149B 15052 |            |
| 2 <sup>1/2</sup> | 65       | 10/16         | 16        | 16 | 16 | 15  | 16   | I          | 149B 15053 |
| 3                | 80       | 10/16         | 16        | 16 | 16 | 12  | 16   | I          | 149B 15054 |
| 4                | 100      | 10/16         | 16        | 16 | 16 | 10  | 16   | I          | 149B 15055 |
| 5                | 125      | 10/16         | 16        | 16 | 16 | 0,5 | 16   | I          | 149B 15056 |
| 6                | 150      | 10/16         | 16        | 13 | 16 | 0,5 | 16   | I          | 149B 15057 |
| 8                | 200      | 10            | 10        | 10 | 10 | 0,5 | 10   | I          | 149B 15058 |

- **Connection** : flanges drilled PN : see table
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum permissible pressure PS - other mediums** : See table

• **θ** Mini. -10 °C  
Maxi. 150 °C

• **Mediums** : Loaded liquids

• **Approvals** :   PED 97/23/CE  
CPR 305/2011/UE

- **International construction Standards** :

CE Conformity Directive 97/23/CE

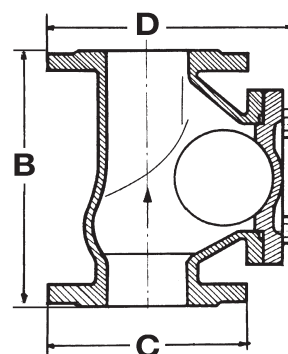
CE Conformity Regulation 305/2011/UE EN12050-4 Standard

Flange drilling according to EN1092-2

Length according to EN558-1 series 48

### Overall dimensions

| DN               | B   | C   | D   | Weight |      |
|------------------|-----|-----|-----|--------|------|
| "                | mm  | mm  | mm  | kg     |      |
| 2                | 50  | 200 | 165 | 186    | 9,1  |
| 2 <sup>1/2</sup> | 65  | 240 | 185 | 211    | 12,4 |
| 3                | 80  | 260 | 200 | 245    | 19,4 |
| 4                | 100 | 300 | 220 | 282    | 26,4 |
| 5                | 125 | 350 | 250 | 333    | 40,4 |
| 6                | 150 | 400 | 285 | 380    | 30,9 |
| 8                | 200 | 500 | 340 | 471    | 53,9 |

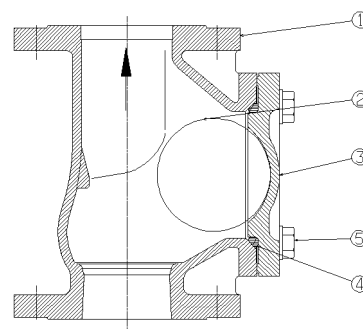


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### Spare parts list and materials

| Nb | Description      | Materials       | EURO             | ANSI           |
|----|------------------|-----------------|------------------|----------------|
| 1  | CASING*          | Stainless steel | X5Cr-Ni18-10     | AISI 304       |
| 2  | BALL DN50 to 100 | Aluminium + FKM |                  |                |
|    | DN125 to 200     | Cast iron + FKM | EN-GJL-250       | ASTM A 48 35 B |
| 3  | PLUG             | Stainless steel | X5Cr-Ni18-10     | AISI 304       |
| 4  | SEAL             | FKM             |                  |                |
| 5  | SCREW            | Stainless steel | X5Cr-Ni18-10     | AISI 304       |
|    | NUT              | Stainless steel | X5Cr-NiMo17-12-2 | AISI 316       |
|    | WASHER           | Stainless steel | X5Cr-Ni18-10     | AISI 304       |

\*Optional: SuperDuplex version casing & cap - EN10213 - GX2CrNiMoN26-7-4+AT (1.4469)

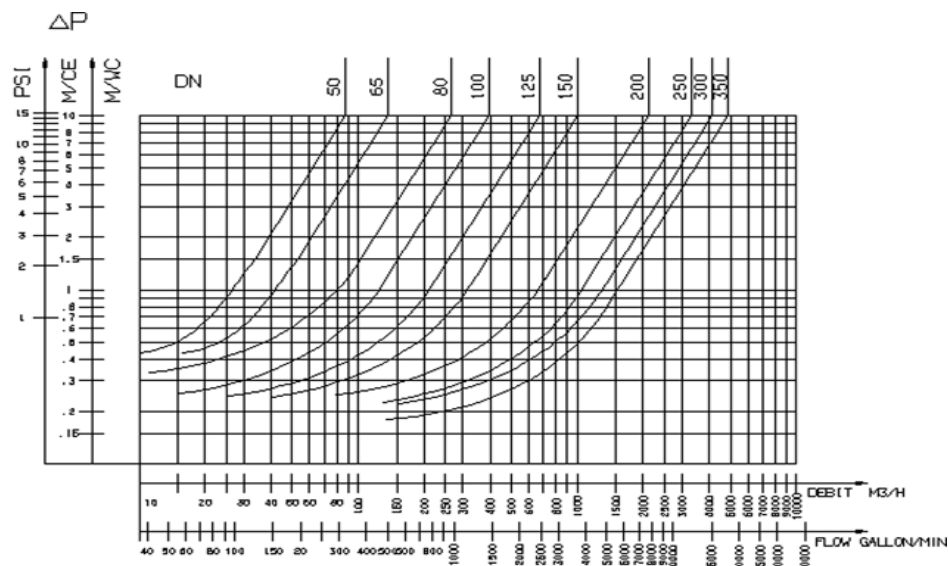


### Working principle

| DN               | Opening pressure in mm/WC |        | Kv      | ζ    |
|------------------|---------------------------|--------|---------|------|
|                  | ↑                         | ↔      |         |      |
| 2                | 25                        | near 0 | 87,00   | 1,30 |
| 2 <sup>1/2</sup> | 30                        |        | 136,50  | 1,50 |
| 3                | 160                       |        | 267,00  | 0,90 |
| 4                | 160                       |        | 396,00  | 1,10 |
| 5                | 170                       |        | 671,00  | 0,85 |
| 6                | 200                       |        | 890,00  | 1,00 |
| 8                | 250                       |        | 2116,00 | 0,56 |

#### Directions for use :

- Solid line : Valve completely open
- Dotted line : opening stage of valve



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