

# 312

Non-return foot valve

02 System

## Technical Data Sheet



## Description

Valve with very wide range of applications. It prevents water hammering, it's noiseless and the quality-price ratio is optimal.

- Operates in any position from horizontal to vertical ascending
- Minimum head loss
- Compactness
- Exceptional robustness
- Closing system : long back axial guiding and reduced displacement
- Sealing guaranteed by an EPDM seal
- Return spring



### 312

Non-return foot valve - 02 System

| DN |     | PN    | PFA<br>in bar | PS in bar |    |    |    | Cat. | Ref.            | Weight<br>Kg |
|----|-----|-------|---------------|-----------|----|----|----|------|-----------------|--------------|
| "  | mm  |       |               | L1        | L2 | G1 | G2 |      |                 |              |
| 5  | 125 | 10/16 | 16            | 16        | 16 | x  | x  | 4.3  | <b>149B2720</b> | 19           |
| 6  | 150 | 10/16 | 16            | 13        | 16 | x  | x  | 4.3  | <b>149B2721</b> | 28           |
| 8  | 200 | 16    | 16            | 10        | 16 | x  | x  | 4.3  | <b>149B2722</b> | 48           |
| 10 | 250 | 16    | 16            | 10        | 16 | x  | x  | I    | <b>149B2723</b> | 90           |
| 12 | 300 | 16    | 16            | 10        | 16 | x  | x  | I    | <b>149B2724</b> | 133          |
| 14 | 350 | 16    | 16            | 10        | 16 | x  | x  | I    | <b>149B2725</b> | 226          |
| 16 | 400 | 16    | 16            | 10        | 10 | x  | x  | I    | <b>149B2726</b> | 343          |

#### Important notice :

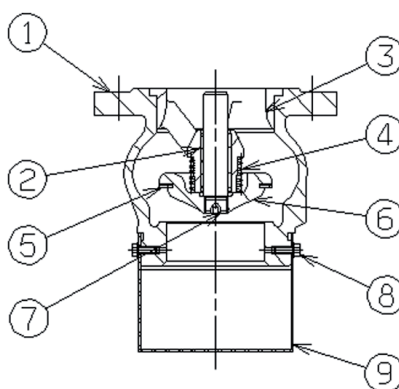
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions. The operating instructions are available on our web site [www.socla.com](http://www.socla.com) or by requesting from our sales department.

#### Technical features

|   |   |
|---|---|
| Operating temperature                           | -10 °C to 80°C, for temperatures over 80°C consult us |
| Permissible operating pressure (PFA) in water   | See table above                                       |
| Maximum permissible pressure (PS) other mediums | See table above                                       |
| Connection                                      | Flange drilled PN (see table)                         |
| Mediums   | Clear liquids   |

#### Nomenclature and materials

| N° | Description    | Materials                         |
|----|----------------|-----------------------------------|
| 1  | Body           | Cast iron / Epoxy                 |
| 2  | Ring           | Bronze                            |
| 3  | Guide          | DN 50<br>Others DN                |
| 4  | Spring         | Stainless steel                   |
| 5  | Seal           | EPDM                              |
| 6  | Closing system | DN 50-65 : one-piece<br>Others DN |
| 7  | Stem           | Bronze                            |
| 8  | Screw          | DN 50 à 150<br>DN 200 à 400       |
| 9  | Strainer       | Galvanised steel                  |



## Approvals

**ACS**



PED 2014/68/UE



### International construction Standards :

Directive 2014/68/UE

Flange drilling according to EN 1092-2

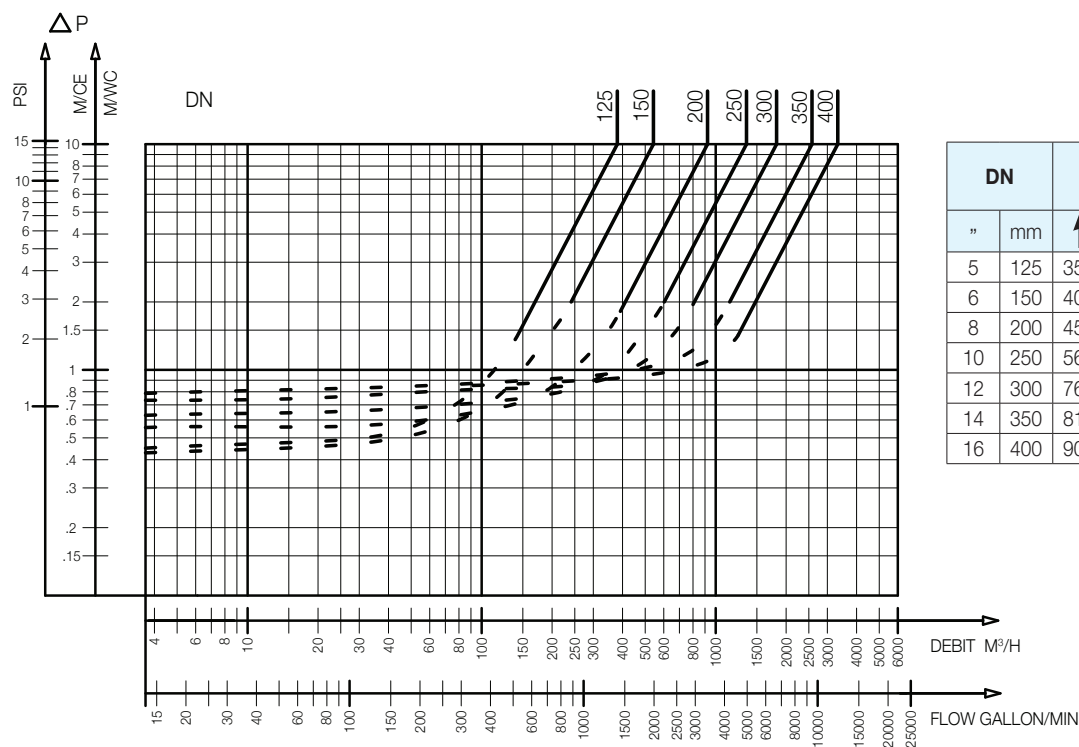
## Application

Clear water pumping.

## Operation

### Direction for use :

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

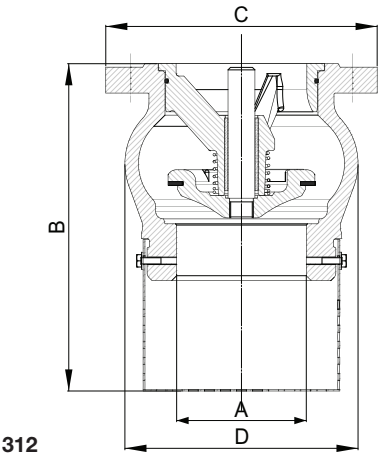


312 - Headloss chart

# Sizing

| A  |     | B   | C   | D   |
|----|-----|-----|-----|-----|
| "  | mm  | mm  | mm  | mm  |
| 5  | 125 | 333 | 254 | 217 |
| 6  | 150 | 373 | 285 | 256 |
| 8  | 200 | 483 | 343 | 336 |
| 10 | 250 | 572 | 406 | 416 |
| 12 | 300 | 652 | 482 | 486 |
| 14 | 350 | 771 | 533 | 580 |
| 16 | 400 | 876 | 597 | 676 |

| DN      | Perforation | Center distance |
|---------|-------------|-----------------|
| "       | mm          | mm              |
| 5 to 6  | 8           | 12              |
| 8 to 16 | 10          | 14              |



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