

Technical data sheet

Type 312

Foot valve

System 02

Applications and special features



- Operates in any position from horizontal to vertical ascending
- Minimum head loss
- Silent, reliable sealing, compact
- Exceptional robustness
- Does not generate hammering
- Closing system : long back axial guiding for reduced displacement
- Sealing guaranteed by a flat seal
- Return spring

Technical description

Important notice :

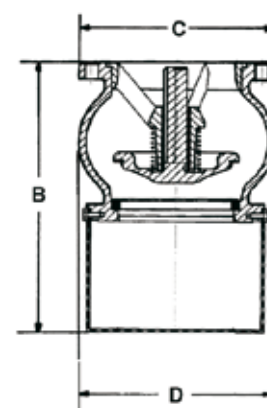
The indicated pressure for the different categories of fluids (L1/L2/G1/G2) is under no condition a guarantee of use. Therefore, it is essential to validate the use of products under given operating conditions.

| DN | PN | PFA in bar | PS in bar | | | | Cat. | References | Vvs-nr |
|----|-----|---------------|-----------|----|----|----|------|------------|--------|
| | | | L1 | L2 | G1 | G2 | | | |
| 5 | 125 | 10/16 | 16 | 16 | x | x | 3.3 | 149B 2720 | |
| 6 | 150 | 10/16 | 16 | 13 | x | x | 3.3 | 149B 2721 | |
| 8 | 200 | 16 | 16 | 10 | x | x | 3.3 | 149B 2722 | |
| 10 | 250 | 16 | 16 | 10 | x | x | I | 149B 2723 | |
| 12 | 300 | 16 | 16 | 10 | x | x | I | 149B 2724 | |
| 14 | 350 | 16 | 16 | 10 | x | x | I | 149B 2725 | |
| 16 | 400 | 16 | 16 | 10 | x | x | I | 149B 2726 | |

- 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. 100 °C
- Mediums : Clear liquids
- Approvals : ACS - PED 97/23/CE
- International construction Standards :
CE Conformity Directive 97/23/CE
Flange drilling according to EN1092-2

Overall dimensions

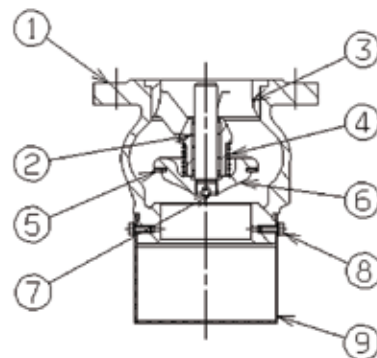
| DN | | B | C | D | Weight |
|----|-----|-----|-----|-----|--------|
| " | mm | mm | mm | mm | kg |
| 5 | 125 | 333 | 254 | 217 | 20 |
| 6 | 150 | 373 | 285 | 256 | 30 |
| 8 | 200 | 483 | 343 | 336 | 51 |
| 10 | 250 | 572 | 406 | 416 | 92 |
| 12 | 300 | 652 | 482 | 486 | 135 |
| 14 | 350 | 771 | 533 | 580 | 230 |
| 16 | 400 | 876 | 597 | 676 | |



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Spare parts list and materials

| Nb | Description | Materials | EURO | ANSI |
|----|---------------------|------------------|--------------------------|----------------|
| 1 | CASING | Cast iron/epoxy | EN 1561 EN-GJL-250 | ASTM A 48 35 B |
| 2 | RING | Bronze | EN 1982 CuSn12-C GS | |
| 3 | GUIDE DN50 | Bronze | EN 1982 CuSn5Zn5Pb2-C GS | |
| 4 | Other DN | Cast iron/epoxy | EN 1561 EN-GJL-250 | ASTM A 48 35 B |
| 5 | SPRING | Stainless steel | EN 10270-3 X10CrNi18-8 | AISI 302 |
| 6 | SEAL | EPDM | | |
| 7 | CLOSING SYSTEM | Cast iron/epoxy | EN 1561 EN-GJL-250 | ASTM A 48 35 B |
| 8 | DN50-65 : one-piece | Bronze | EN 1982 CuSn5Zn5Pb2-C GS | |
| 9 | STEM | Bronze | EN 1982 CuSn5Zn5Pb2-C GS | |
| 10 | SCREW DN50 to 150 | Galvanised steel | | |
| 11 | SCREW DN200 to 400 | Brass | | |
| 12 | STRAINER | Galvanised steel | | |

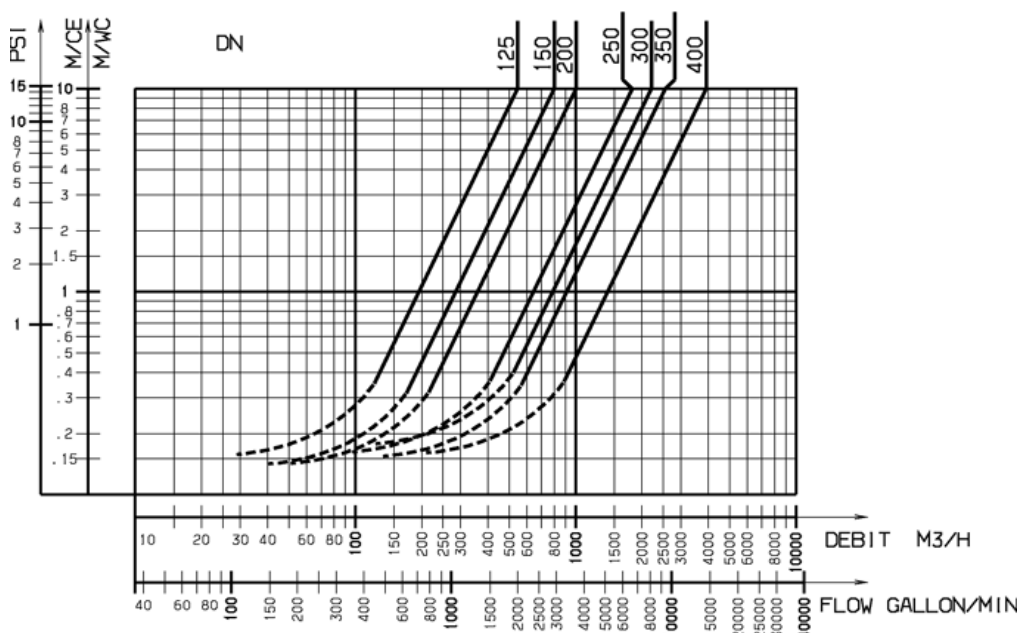


Working principle

| DN | | Opening pressure in mm/WC | | Kv | ζ |
|----|-----|---------------------------|----------------|---------|------|
| " | mm | ↑ | Without spring | m³/H | |
| 5 | 125 | 350 | 150 | 557,00 | 1,20 |
| 6 | 150 | 400 | 170 | 801,00 | 1,20 |
| 8 | 200 | 450 | 190 | 1008,00 | 2,46 |
| 10 | 250 | 560 | 250 | 1818,00 | 1,85 |
| 12 | 300 | 760 | 365 | 2210,00 | 2,60 |
| 14 | 350 | 810 | 380 | 2560,00 | 3,60 |
| 16 | 400 | 900 | 450 | 3930,00 | 2,60 |

Directions for use :

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



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