

## Technical data sheet

### Type 102PV

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 FKM flat seal
- Return spring

#### Technical description

| DN               | PFA<br>in bar | PS in bar |    |    |    | Cat. | References | Vvs-nr    |
|------------------|---------------|-----------|----|----|----|------|------------|-----------|
|                  |               | L1        | L2 | G1 | G2 |      |            |           |
| 2 <sup>1/4</sup> | 60            | 16        | 16 | 16 | x  | x    | 3.3        | 149B 2762 |
| 2 <sup>1/2</sup> | 65            | 16        | 16 | 16 | x  | x    | 3.3        | 149B 2763 |
| 3                | 80            | 16        | 16 | 16 | x  | x    | 3.3        | 149B 2764 |
| 4                | 100           | 16        | 16 | 16 | x  | x    | 3.3        | 149B 2765 |

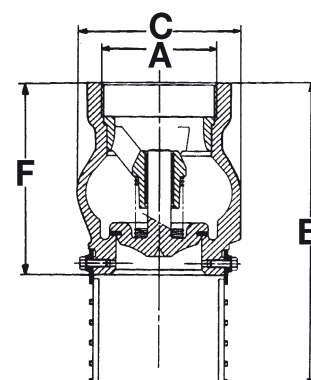
#### Important notice :

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.

- **Connection** : Female, (BSP)
- **Permissible operating pressure PFA - water-** (for supply, distribution and disposal of water) : See table
- **Maximum permissible pressure PS - other mediums** : See table
- **T°** : Mini. -10 °C  
Maxi. 80 °C
- **Mediums** : Clear liquids, hydrocarbons
- **Approvals** : Bureau Veritas
- **International construction Standards** : Directive 97/23/CE  
Thread connection NF EN ISO 228-1

#### Overall dimensions

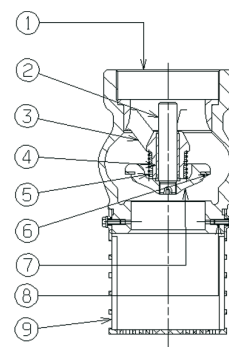
|                  | A       | B   | C   | F   | Weight |
|------------------|---------|-----|-----|-----|--------|
| "                | mm      | mm  | mm  | mm  | kg     |
| 2 <sup>1/4</sup> | 60/70   | 195 | 97  | 123 | 3      |
| 2 <sup>1/2</sup> | 66/76   | 195 | 97  | 124 | 3      |
| 3                | 80/90   | 241 | 125 | 152 | 5      |
| 4                | 102/114 | 290 | 150 | 180 | 8      |



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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  | STEM 4"                                   | Bronze            | EN 1982 CuSn5Zn5Pb2-C GS |                |
| 3  | GUIDE 2 <sup>1/4</sup> - 2 <sup>1/2</sup> | Bronze            | EN 1982 CuSn5Zn5Pb2-C GS |                |
|    | Other DN                                  | Cast iron/Epoxy   | EN 1561 EN-GJL-250       | ASTM A 48 35 B |
| 4  | RING                                      | Bronze            | EN 1982 CuSn12-C GS      |                |
| 5  | SPRING                                    | Stainless steel   | EN 10270-3 X10CrNi18-8   | AISI 302       |
| 6  | SEAL                                      | FKM               |                          |                |
| 7  | CLOSING SYSTEM 4"                         | Cast iron/Epoxy   | EN 1561 EN-GJL-250       | ASTM A 48 35 B |
|    | Other DN : one-piece                      | Bronze            | EN 1982 CuSn5Zn5Pb2-C GS |                |
| 8  | SCREW                                     | Galvanised steel  |                          |                |
| 9  | STRAINER                                  | PP (Polypropylen) |                          |                |

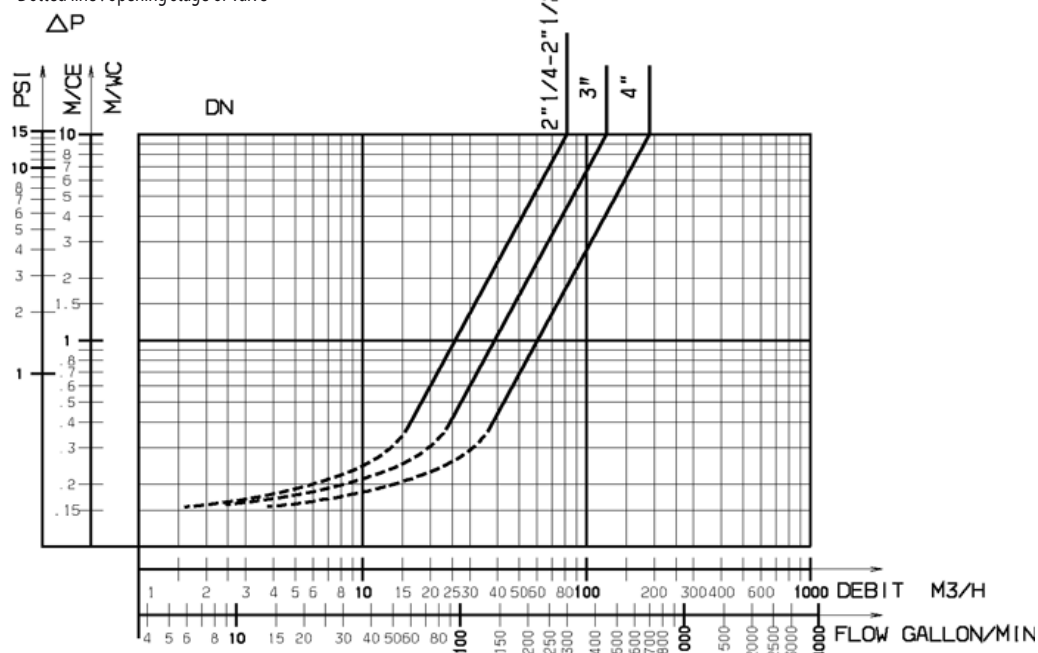


### Working principle

| DN    |     | Opening pressure in mm/CE |                | Kv     | ζ    |
|-------|-----|---------------------------|----------------|--------|------|
| "     | mm  | ↑                         | Without spring | m³/H   |      |
| 2 1/4 | 60  | 230                       | 110            | 82,00  | 3,00 |
| 2 1/2 | 65  | 230                       | 110            | 82,00  | 4,20 |
| 3     | 80  | 240                       | 130            | 120,00 | 4,40 |
| 4     | 100 | 280                       | 130            | 188,00 | 4,40 |

#### Directions for use :

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



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