

### K25 series

The Afflu-o K25 ball check valves are designed entirely from plastic. Available in dimensions from ½” to 4”, their true union design allows easy disassembling and maintenance. The guide ribs over the entire length of the body of the valve maximize the flow and minimize turbulence. In addition, it is possible to install them vertically and horizontally.



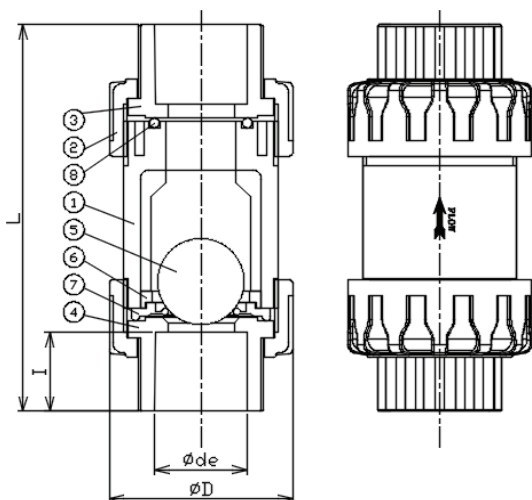
- Available in PVC and CPVC
- EPDM or FPM O-rings
- Vertical and horizontal installation
- 100% thermoplastic construction
- True union design
- Easy maintenance

### Specifications

- Pressure: 150 PSI @ 73 ° C
- Back pressure of 5 PSI minimum
- Complies with ANSI and NSF 61 standards
- PVC cell class 13343 per ASTM D1784
- CPVC cell class 23447 per ASTM D1784

### Options

- Foot valve
- Threaded Connectors



| No | Parts name   | Qty | Material  |
|----|--------------|-----|-----------|
| 1  | Body         | 1   | PVC, CPVC |
| 2  | Nut          | 1   | PVC, CPVC |
| 3  | Connector    | 1   | PVC, CPVC |
| 4  | Connector-in | 1   | PVC, CPVC |
| 5  | Ball         | 1   | PVC, CPVC |
| 6  | Ring         | 1   | PVC, CPVC |
| 7  | Seat         | 1   | EPDM, FPM |
| 8  | O-Ring       | 1   | EPDM, FPM |

| Dimensions   | D   | L   | Ø de  | l    | NPT  | Cv  |
|--------------|-----|-----|-------|------|------|-----|
| ½" (15 mm)   | 56  | 125 | 21.34 | 22.5 | 14   | 8   |
| ¾" (20 mm)   | 56  | 125 | 26.67 | 25.7 | 14   | 15  |
| 1" (25 mm)   | 66  | 141 | 33.4  | 28.9 | 11.5 | 29  |
| 1 ¼" (32 mm) | 98  | 170 | 42.16 | 33.8 | 11.5 | 75  |
| 1 ½" (40 mm) | 98  | 170 | 48.26 | 35   | 11.5 | 90  |
| 2" (50 mm)   | 120 | 204 | 60.32 | 38.5 | 11.5 | 140 |
| 2 ½" (65 mm) | 150 | 225 | 73.02 | 45   | 8    | 180 |
| 3" (80 mm)   | 184 | 272 | 88.9  | 48   | 8    | 240 |
| 4" (100 mm)  | 199 | 365 | 114.3 | 57   | 8    | 410 |

Pressure loss  
Calculation formula

$$\Delta P = (Q/Cv)^2$$

Δ P : Pressure drop  
Q : Flow in GPM  
Cv : Flow coefficient

