

I Application

The flexible hose valve is a pneumatically actuated full bore valve. It presents the best solution for the transfer of liquids with solids in suspension, fibers, etc. that might be trapped blocking the valve in case another valve type is used.

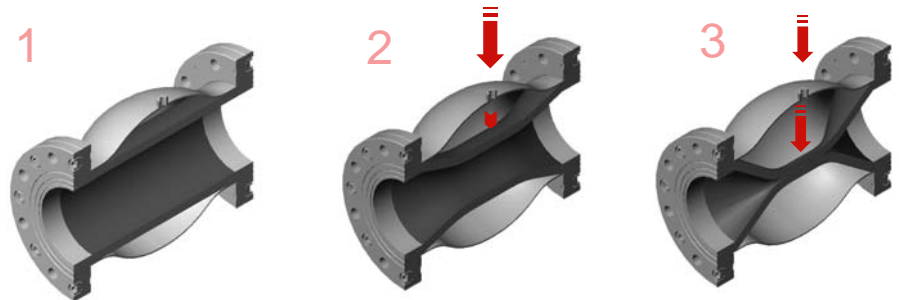
It is widely used in applications requiring the delicate treatment of the product and minimum turbulences.

I Operating principle

The liquid passes through the flexible hose housed inside the casing that acts as support and actuator.

The hose provides sealing and separates the product from the valve casing. The air is injected into the casing, it compresses the hose and cuts the flow of the product.

The air pressure, required to keep the valve closed, is between 1 and 2 bar higher than the product pressure inside the hose.



I Design and features

Pneumatically operated NO valve.

Full bore design, no pressure losses.

Easy cleaning.

Easy replacement of the hose.

Robust construction.

Optimum sealing for product with solids, fibers, etc.

Standard connections: Male DIN 11851

Standard diameters: DN 50 - DN150

I Materials

Parts in contact with the product AISI 316L / 304L

Other parts AISI 304

Flexible hose EPDM according to FDA 177.2600

Surface finish mirror polish



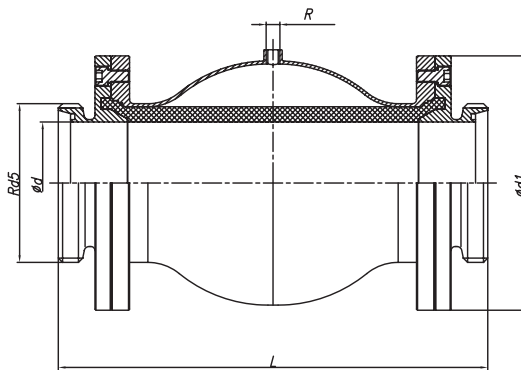
I Options

Other connections: Flanges DIN 2632 PN10,
 Garolla, FIL-IDF, BS-RJT, SMS, Clamp, Macon.
 Natural rubber hose (NR).
 Surface finishes: satin, electropolish, etc.
 Valve manifolds.
 Automation.

I Technical specifications

| | | |
|------------------------------|--------------------------------|---------|
| Max. temperature | 120°C (EPDM) | |
| Max. working pressure | 4 bar | |
| Max. compressed air pressure | 6 bar | |
| Max. differential pressure | 1,5 – 2 bar | |
| Standard diameters | DN 25 – DN 100 ⁽¹⁾ | 1" – 4" |
| | DN 125 – DN 150 ⁽²⁾ | 5" – 6" |

Note (1): Classified according to Directive 97/23/CE as Category I valves for use with fluids of Group 1
 Note (2): Classified according to Directive 97/23/CE as SEP valves for use with fluids of Group 2



| DN | d | d1 | Rd5 | L | R |
|----|----|----|-----------|-----|------|
| 10 | 10 | 40 | 28 x 1/8" | 116 | 1/8" |
| 15 | 16 | 44 | 34 x 1/8" | 120 | 1/8" |
| 20 | 20 | 55 | 44 x 1/6" | 130 | 1/8" |
| 25 | 26 | 68 | 52 x 1/6" | 148 | 1/8" |
| 32 | 32 | 75 | 58 x 1/6" | 170 | 1/8" |
| 40 | 38 | 90 | 65 x 1/6" | 180 | 1/8" |

| DN | d | d1 | Rd5 | L | R |
|-----|-----|-----|------------|-----|------|
| 50 | 50 | 164 | 78 x 1/6" | 225 | 1/4" |
| 65 | 66 | 184 | 95 x 1/6" | 250 | 1/4" |
| 80 | 81 | 199 | 110 x 1/6" | 305 | 1/4" |
| 100 | 100 | 219 | 130 x 1/4" | 370 | 1/4" |
| 125 | 125 | 226 | 160 x 1/4" | 420 | 1/4" |
| 150 | 150 | 284 | 190 x 1/4" | 505 | 1/4" |



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