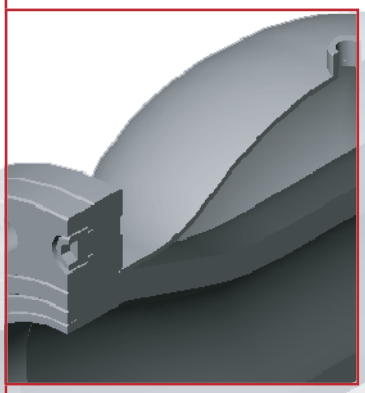
Flexible Hose Valve

PINCH for wine

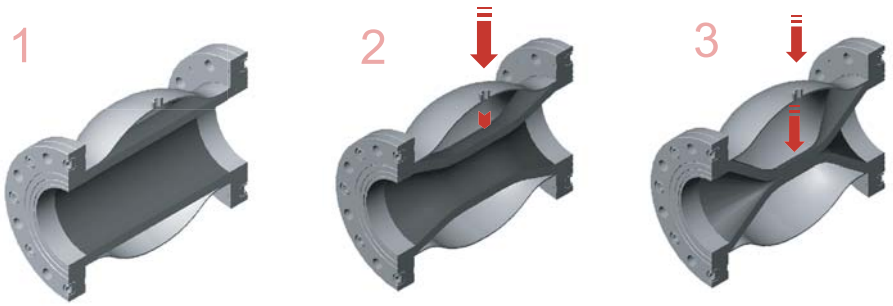


I Application

The pinch valves are widely used in the wine-making industry in the processes of the reception and transfer of the whole or destemmed grapes to the fermentation tanks or to the presses. Due to the full bore design of the valve, the product passes through the vlave without any damage or retention.
This valve also presents a solution for the transfer of liquids with gases or solids in suspension like must and whole or crushed grapes.

I Operating principle

The product passes through the flexible hose housed inside the valve casing that serves as support and actuator.
The product is separated from the valve casing by the hose, the flexible hose serves as seal.
Air is injected into the casing, the hose is compressed, thus, the flow of the product is cut.
The valve is maintained closed if the air pressure is 1,5 and 2 bar (22 - 29 PSI) higher than the product pressure inside the valve.



I Design and features

Normally open pneumatic valve.
Full bore design, no pressure drops.
Easy cleaning.
Easy replacement of the hose.
Robust construction.
Optimum sealing for products with solids in suspension, fibres, etc.

Standard connection: DIN 2632 PN10 flanges
Sizes: DN50 to DN150

I Materials

Parts in contact with the product: AISI 304L
Other parts: AISI 304
Flexible hose: natural rubber (NR)
Surface: satin finish

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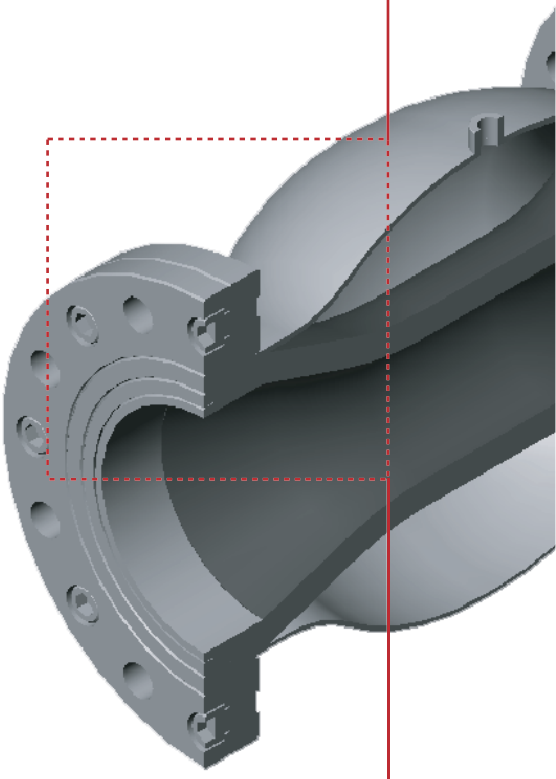


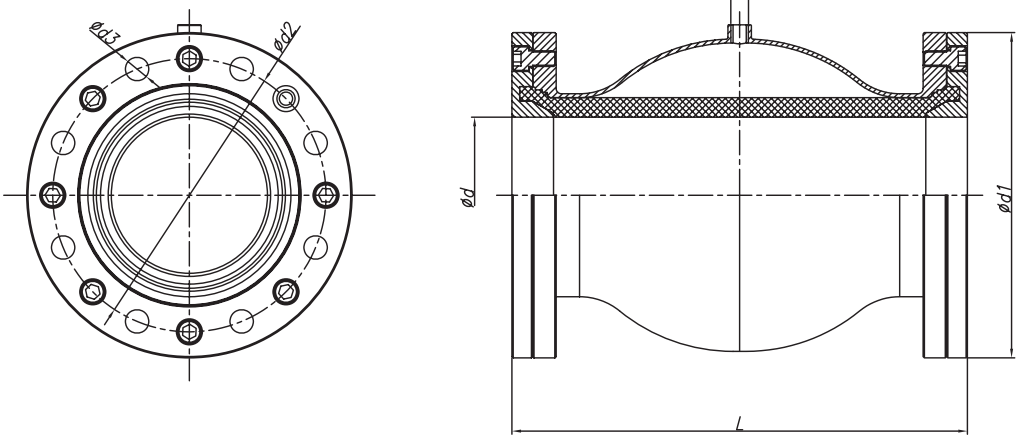
I Options

Other connections: DIN 11851, Garolla,
FIL-IDF, BS-RJT, SMS, Clamp, Macon.
EPDM hose according to FDA.
Various finishes: mirror, electropolished, etc.
Valve manifolds.
Automation.

I Technical specifications

Maximum temperature:*	*70ºC*	*158ºF*
Maximum working pressure:	*4 bar*	*58 PSI*
Maximum compressed air pressure:	*6 bar*	*87 PSI*
Maximum differrential pressure:	*1,5 -2 bar*	*22 - 29 PSI*

** for NR (natural rubber).*
Other materials can be used for use at higher temperatures.



DN	d	d1	d2	d3	L
50	50	164	125	18	160
65	66	184	145	18	176
80	81	199	160	18	219
100	100	219	180	18	266
125	125	249	210	18	332
150	150	284	240	22	412

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