

Automatic pinch valve PVC

Main uses

Benefiting from lightness and resistance to corrosive atmosphere, Milton Roy Europe pinch valves are suitable for many varied applications: transmission and automatic control of clean liquids or slurries (suspensions, sludges, ...), viscous liquids or pastes, granules, powders, etc.

Function

The valve is closed by applying pressure between the body and the sleeve. Usually pressure is applied by air but the air can be replaced by water. When the pressure is applied the sleeve deforms to close the valve. Careful use of fibre reinforcement in the construction of the sleeve ensures that total shut off is achieved.

Advantages

- Full bore:
 - No pressure drop
 - No risk of blockage
- Chemical resistance:
 - Suitable for use in corrosive atmospheres
- Lightness:
 - Cost of installation reduced (no support required)
- Ease of installation:
 - Threaded connections
- Total sealing:
 - Gas, liquids or powders.

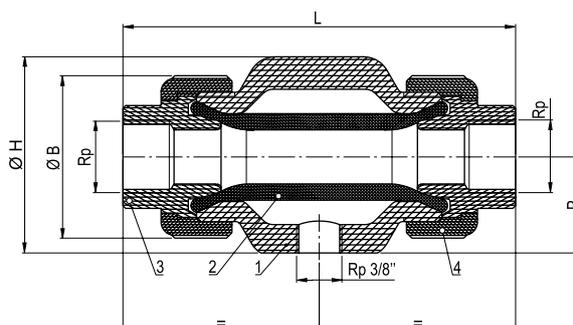
Principle

The automatic pinch valve comprises, valve body (1), a cylindrical sleeve (2) made from natural or synthetic rubber, two connections (3) and 2 nuts (4).

The sleeve is clamped at each end between the body and the connections and assembled using the nuts.

Dimensions

	DN 20	DN 25	DN 32	DN 40
L (mm)	144	144	170	200
Ø B (mm)	60	74	83	103
Ø H (mm)	69	79	89	99
P (mm)	32.5	37.5	43	48
Rp	3/4"	1"	1 1/4"	1 1/2"
Net weight (kg)	0.5	0.7	0.8	1



Technical details

- Sizes: DN 20, DN 25, DN 32 and DN 40
- Materials of construction:
 - Body, connectors and nuts: PVC
 - Sleeve: abrasion resistant natural rubber, non toxic rubber or neoprene (others available on request)
- Connections: threaded gas (BSP)
- Service conditions:
 - Service pressure: 4 barg max.
 - Control fluid pressure: 6 barg max.
 - Differential pressure: around 2 barg subject to sleeve and application
 - Temperature range: -5°C to 60°C (for other temp., consult us)



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