

# AUTOMATIC PINCH VALVES "PIC" RANGE IN PVC

DN 20, 25, 32 AND 40



**B**enefiting from lightness and resistance to corrosive atmospheres, Dosapro Milton Roy PVC 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...



**DOSAPRO  
MILTON ROY**

## Principle

The automatic pinch valve comprises (1), valve body (2), a cylindrical sleeve made from natural or synthetic rubber (3) two connections and (4) 2 nuts. The sleeve is clamped at each end between the body and the connections and assembled using the nuts.

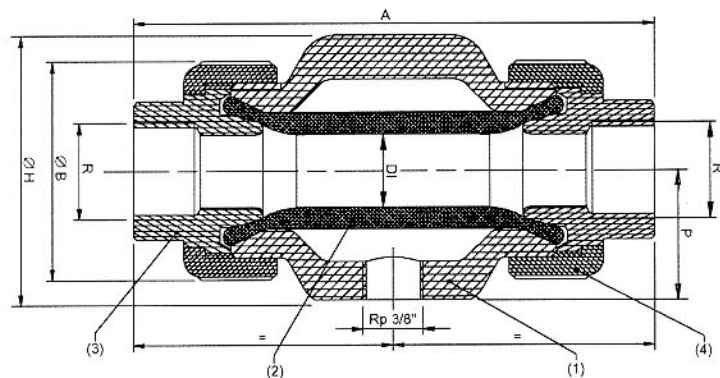
## Function

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, liquid or powders

## Dimensions



	DN 20	DN 25	DN 32	DN 40
A	144	144	170	200
B	60	74	83	103
DI	17	22	28	34
H	69	79	89	99
P	32,5	37,5	43	48
R	Rp 3/4"	Rp 1"	Rp 1 1/4"	Rp 1 1/2"
Net weight (kg)	0,4	0,6	0,8	1,6
Gross weight (kg)	1,2	1,4	1,8	2,6

## 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 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 temperatures consult us)



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