



# DUAL PNEUMATIC PINCH VALVE (DPPV)

**DUAL's** Pneumatic Pinch Valve consists of a tough, but flexible full bore sleeve in an enclosed body. Actuated by means of air or Hydraulic Fluid, the valve body acts as an Actuator. When the media is introduced, the sleeve is compressed forming a complete and effective seal.

- Single wearing part
- Face to face compatible with diaphragm valves
- No glands which require regular adjustment
- Pneumatic or hydraulic medium can be used to operate the valve
- Ideal for remote operations

## FACE TO FACE COMPATIBLE WITH DIAPHRAGM VALVES

### PRODUCT SPECIFICATION

- BODY:** Cast Aluminium, cast SG Iron, Stainless Steel enclosed body type.
- ELASTOMER SLEEVE:** Gum black rubber, EPDM, Chlorobutyl, Neoprene, Viton and Hypalon
- SIZE RANGE:** 50mm - 350mm
- PRESSURE RATING:** 10 Bar (for higher pressure consult factory)
- FLANGED:** Drilled to SABS, ANSI, BS or DIN
- MATERIAL CERTIFICATION:** Certified chemical and physical test reports can be supplied.
- TEMPERATURES:** -50°C to +80°C



### FEATURES

The Dual Pneumatic Pinch Valves double-enclosed body with easily replaceable, flexible rubber sleeves

- Valve can be installed in any position
- Housing acts as a built-in actuator
- Long operating life
- Full bore, low friction loss
- 100% drip tight closure even with solids in the medium
- Light weight
- Seals in both directions
- High flexibility sleeve design reducing closing forces, improves recovery to full open position
- Enclosed body protects the sleeve from the environment and contaminants in the event of sleeve failure
- Fast and easy sleeve change



## HOW THE VALVE OPERATES

The valve closes by means of air or hydraulic pressure placed on the sleeve, through the top of the valve housing. The valve body acts as a built-in actuator.

**NOTE:** Air pressure must be vented from the valve to permit opening.

## SLEEVE MATERIAL

Dual offers the following alternative sleeve materials, providing chemical and abrasive resistance to most media such as:

- Polyurethane
- Natural red rubber
- Natural black rubber
- Neoprene rubber
- Nitrile rubber
- EPDM rubber
- Reduced port sleeve for throttling applications

## SLEEVE DESIGN

## APPLICATIONS

- Mining and mineral processing
- Power generation
- Sand and gravel
- Chemical and soda ash
- Pulp and paper

VALVE SIZE (mm/inch)				B (mm)	C (mm)					
50/2"				85	1					
80/3"				100						
100/4"				120						
125/5"				150						
150/6"				165						
200/8"				200						
250/10"				250						
300/12"				300						
350/14"				330						