

T85 – STRAIGHT THROUGH TYPE

The T85 Straight Through Diaphragm valve is a monoblock bidirectional valve. Depending on the application, different quality of the body and rubber lining solutions can be given.

The main features of the valve:

- 100% leak tightness performance guaranteed
- The valve can be installed in any position
- Produced with high EU quality components
- Easy maintenance: Three part design allows maintenance and actuator retrofitting without removing the valve body from the pipeline.
- Handwheel: comfortable grip, easy to use for fast operation, saves time and effort.
- Stem designed to reduce friction for low operating torque.
- Diaphragm: provide positive shutoff and isolates all working parts from line fluid.
- Full flow and low pressure drop

** Valves manufactured following European Pressure Equipment Directive PED 2014/68/EU.*

AVAILABLE CONNECTIONS

- Face to face according DIN-3202 & BS-5156.
- Flanges DIN PN10/PN16 Y ASA 125/150.

**Other norms on request*

PRESSURES & SIZES

HANDWHEEL

Maximum service pressures recommended:

- DN15 (1/2") – DN50 (2") 8 bar
- DN65 (2 1/2") – DN125 (5") 6 bar
- DN150 (6") – DN300 (10") 4 bar

PNEUMATIC (air to close) (AD)

Maximum service pressures recommended:

- DN20 (3/4") – DN50 (2") \diamond 7 bar
- DN65 (2 1/2") – DN80 (3") \diamond 5 bar
- DN100 (4") – DN150 (6") \diamond 4 bar
- DN200 (8") – DN300 (12") \diamond 3 bar

** Recommended pressure in the pneumatic: 4 bar*

PNEUMATIC (air to close) (AD -V)

Maximum service pressures recommended:

- DN20 (3/4") – DN50 (2") \diamond 7 bar
- DN65 (2 1/2") – DN80 (3") \diamond 5 bar
- DN100 (4") – DN150 (6") \diamond 4 bar
- DN200 (8") – DN300 (12") \diamond 3 bar

** Recommended pressure in the pneumatic: 4 bar*

PNEUMATIC (Double Acting) (AD -2 and AD-V2)

Maximum service pressures recommended:

- DN20 (3/4") – DN50 (2") \diamond 7 bar
- DN65 (2 1/2") – DN80 (3") \diamond 5 bar
- DN100 (4") – DN150 (6") \diamond 4 bar
- DN200 (8") – DN300 (12") \diamond 3 bar

** Recommended pressure in the pneumatic: 4 bar*



PNEUMATIC (air to open) (AI-V and AI-VR)

Maximum service pressures recommended:

- DN20 (3/4") – DN50 (2") ◇ 7 bar
- DN65 (2 1/2") – DN80 (3") ◇ 5 bar
- DN100 (4") – DN150 (6") ◇ 4 bar
- DN200 (8") – DN300 (12") ◇ 3 bar

** Recommended pressure in the pneumatic: 5 bar*

MATERIALS

- BODY: GG25, GGG40, GGG50, A216 WCB, SS316 (CF8M), CARPENTER20 (CN7M).

** Special alloys on request.*

- LINING: HARD RUBBER/EBONITE, ANTIABRASIVE NATURAL RUBBER, NEOPRENE, BUTYL, NITRILE (NBR), HYPALON, HALAR (ECTFE), RILSAN (POLIAMIDE).

**Other linings available on request*

- BONNET: GG25.

**Others on request*

- DIAPHRAGM:
 - Butyl (BU) Blue
 - Aliment butyl (BUA)
 - Reinforced butyl (BUR)
 - Natural rubber (BL) White
 - Natural aliment rubber (BLA)
 - EPDM (EP)
 - Hypalon (HY) Green
 - Neoprene (NE) Red
 - Nitrile (NI) Yellow
 - Silicone (SI)
 - Viton (VI) Orange

**The abbreviations or the identification colours are in the flap of the diaphragm.*

**The bonnet diaphragms are always in Natural rubber (BL).*

ACTUATORS

- Manual, air open actuator, air to close actuator, double acting actuator, electric, gear box.

ACCESSORIES

- Position indicators, switches, solenoid valves, padlocks, mechanical limit switches, positioner

SECTORS

- Wastewater treatment plants, Chemical industry, power plants, automotive sector, food & beverage, mining, nuclear plants, metallurgical industry, pulp & paper...industry in general.