

Small & Reliable

LKAP Air-Operated Valve

Application

The LKAP pneumatic valve is a remote-controlled shut-off valve, designed for food, chemical and other industries.

Working principle

The valve is operated by means of compressed air and has spring return. It has few and simple moving parts which results in a very reliable valve.

Standard design

LKAP consists of actuator with air cylinder and piston, double lipseal for stem, stem unit with replaceable O-ring in the plug, and valve body with welding connections. It has visual indication of the valve position and is available with 2 (LKAP-V) or 3 ports (LKAP-T). A reed switch unit for indication of open and closed positions is available. The valve can be ordered as normally open (NO) or normally closed (NC) versions. NC is standard.

A bracket for standard M12 sensors is available for the LKAP valve.

Materials

Product wetted

steel parts:	1.4404 (316L).
Other steel parts:	1.4301 (304).
Rubber:	EPDM rubber or Nitrile (NBR).
Finish:	Semi bright.

Technical data

Kv value = 9 (9 m³/h for $\Delta p = 1$ bar with the valve open).

Max. product pressure under the plug (NC):	600 kPa (6 bar).
Min. air pressure:	500 kPa (5 bar).
Max. prod. pressure:	1000 kPa (10 bar).
Max. temperature:	130°C (EPDM).
Min. temperature:	-10°C.



Valve type LKAP-T.

Options

- A) Male parts or clamp liners according to required standard.
- B) Position indication of open and closed positions (Reed switches).
- C) Seals of Fluorinated rubber (FPM).

Dimensions (mm)

Size	25 mm
G	40
E	24
A	170
OD	25
ID	22
t	1.5
Weight (kg)	2.5

Connections

Compressed air: R1/8" (BSP), internal thread.

Ordering

Please state the following when ordering:

- Valve type, LKAP-V or LKAP-T.
- Position indication if required.
- Connections if not welding ends.
- Function of actuator (NC/NO).
- Rubber type.

Note! For further details, see also PD 65036 and instruction IM 70805.

