



Small & Reliable

Alfa Laval LKAP Air-Operated Valve

Concept

The LKAP pneumatic valve is a remote-controlled shut-off valve, widely used for small flows and for dosing applications in 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.

The LKAP valve come in DN/OD 25 mm.

The LKAP valve come in DN/OD 1".



TECHNICAL DATA

Temperature

Max. temperature:130 °C (EPDM)

Min. temperature:10 °C

Pressure

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)

PHYSICAL DATA

Materials

Product wetted steel parts: 1.4404 (316L)

Other steel parts: 1.4301 (304)

Surface finish inside Ra \leq 1.6 μ m

Other seals: NBR

Options

- A. Male parts or clamp liners according to required standard.
- B. Position indication of open and closed positions.
- C. Bracket for standard M12 sensors. Please see chapter 3.7 Automation for bracket code number.
- D. Product wetted seals of FPM or EPDM.

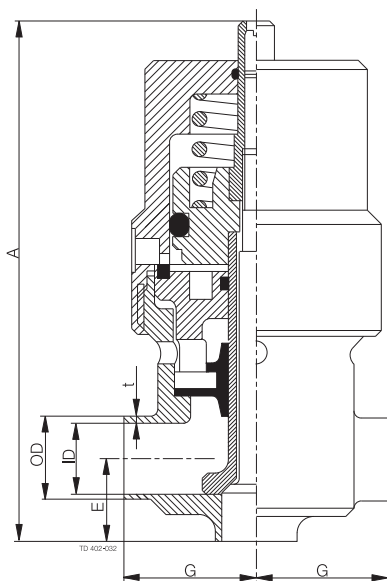
Note!

For further details, see also IM 70805.

The actuator comes with a 5 years warranty.

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.

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