Gillain & Co
HYGIENIC EQUIPMENT FOR FOOD & LIFE SCIENCES

Small & Reliable

LKAP Air-Operated Valve

Application
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.

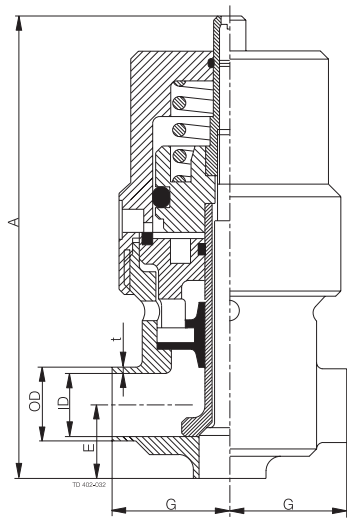


Valve type LKAP-T

Gillain & Co NV | Boomsesteenweg 85, B-2630 Aartselaar | Tel. +32 3 870 60 80, Fax +32 3 870 60 89 | advice@gillain.com | www.gillain.com

Dimensions (mm)

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



Technical data

Kv value = 9 (9 m^3/h for Δp = 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.

Materials

Product wetted steel parts: . . . . . .1.4404 (316L).
Other steel parts: . . . . . .1.4301 (304).
Product wetted seal: . . . . . .NBR.
Other seals: . . . . . .NBR.

Finish inside . . . . . .Ra ≤ 1.6 µm

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

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.

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 IM 70805.

ESE00277EN 1001

The information contained herein is correct at the time of issue, but may be subject to change without prior notice.

Gillain & Co NV | Boomsesteenweg 85, B-2630 Aartselaar | Tel. +32 3 870 60 80, Fax +32 3 870 60 89 | advice@gillain.com | www.gillain.com