



# Empty the Pipe & Agitate the Tank

## LKBV Airblow Valve

PD 65400 GB1 2002-02

### Application

The airblow valve is used for emptying liquids from pipe-lines or for agitating the contents of tanks by blowing air.

### Working principle

Air is supplied to the airblow valve from a main buffer tank via a pilot operated solenoid valve. Pressure will then build up inside the airblow valve and the valve plug will open, delivering a current of air into the pipeline system or tank.

After a certain time the solenoid valve will close. This reduces the pressure in the airblow valve and allows the spring to return the valve plug to its original position.

This process will repeat itself at intervals, thus emptying the pipeline system of liquid or agitating the contents of the tank.

### Standard design

The valve consists of an air cylinder, valve plug, spring, clamp and sight glass.

The sight glass is situated at the lower part of the valve. The glass will indicate any leakage of liquid into the valve and this will then be discharged through a hole in the glass.

The hole in the glass can also be used as an air-relief vent.

### Materials

Steel parts:	Stainless steel AISI 304.
Valve plug:	EPDM.
Sight glass:	Polycarbonate.
Finish:	Semi bright.

### Technical data

Max. air pressure:	1000 kPa (10 bar).
Min. air pressure:	200 kPa (2 bar).
Starting opening of valve plug:	» 80 kPa (0.8 bar).
Temperature range:	0°C to + 100°C.

### Dimensions (mm)

Size	2"
A	106
B	143
C	R 1/2"
D	48.5
Weight (kg)	0.95



Fig. 1. LKBV, Airblow valve

### Ordering

Please state the following when ordering:

- Airblow valve, type LKBV.
- Code No.: 25-0117.

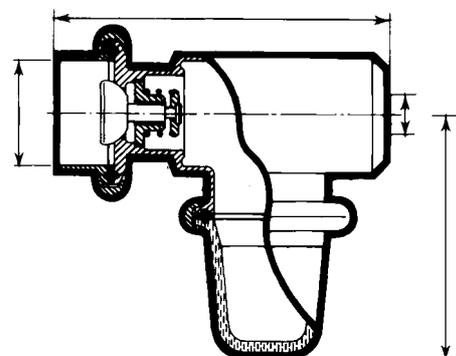


Fig. 2. Dimensions.

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