

Maintain the Right Liquid Level

LKSV Float Valve

Application

Float valve LKSV is designed for maintaining a constant liquid level in a tank or container.

LKSV is, however, not suitable if the liquid has a tendency to foam, and the pressure drop is relatively high.

Working principle

Float valve LKSV is installed on the tank wall and the tank inlet tube is fixed to the valve. The seat opening is determined by the position of the float on the liquid. The movement of the float is transferred by mechanical connection to the valve which allows liquid flow into the tank to compensate for outward flow, thus maintaining a constant level in the tank.

Standard design

LKSV has a valve body and float of stainless steel. The valve body is made for fitting into the side wall of a tank, and it is supplied with a rubber seal for the product side and a fibre ring which goes between the tank wall and the retaining nut. The valve body has an internal pipe thread for connecting the inlet pipe.

The valve cone is fitted with an O-ring which seals against the valve seat.

Materials

Steel for valve and float: 1.4301 (304).
 Seal and O-ring: Nitrile (NBR).
 Finish: Semi bright.

Connection D Internal thread R (BSP)	Internal valve diameter (mm)	Installation hole in tank wall (mm)	Max. wall thickness (excl. float arm splashscreen)	Length of (mm)
R 1" (BSP)	22.5	61	6 mm	350
R 1½" (BSP)		61	6 mm	
R 2" (BSP)	48.5	89	7 mm	550
R 2½" (BSP)		89	7 mm	
R 3" (BSP)	72	115	9 mm	760
R 3½" (BSP)		115	9 mm	



Fig.1. LKSV, float valve.

Dimensions (mm)

Size	1"	1½"	2"	2½"	3"	3½"
A	350	350	550	550	760	760
B	240	240	240	240	240	240
Weight (kg)	1.8	1.9	2.8	3.0	4.4	4.8

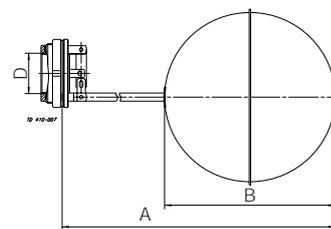


Fig. 2. Dimensions.

Technical data

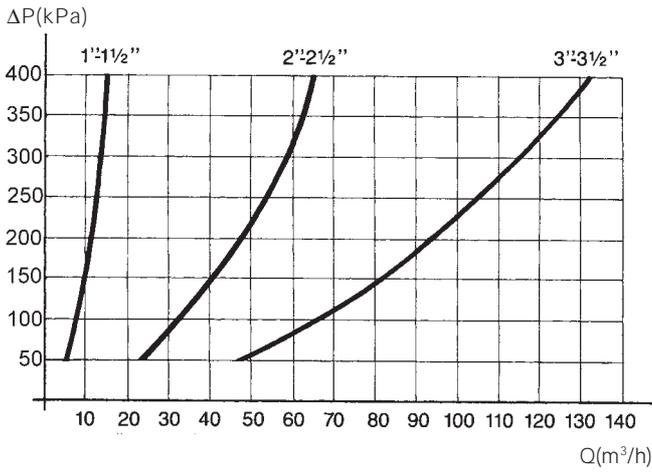
Max. product pressure: 400 kPa (4 bar).
 Max. temperature: + 95°C.
 Min. temperature: - 10°C.

Options

Equipment

A) Screen to minimize splashing during tank filling.

Pressure drop/capacity diagram



Note! Capacities are for float valve in fully open position.

