

The Safe Choice

LKC-2 Non-return Valve

2.6

Concept

Non-return valve LKC-2 is designed for use in stainless steel pipe installations to prevent reverse flow.

Working principle

LKC-2 opens when the pressure below the valve plug exceeds the pressure above the plug and the spring force.

The valve closes when pressure equalization has been achieved. A higher counter pressure will press the valve plug against the seat.

Standard Design

The valve body is in two parts, assembled by means of a clamp ring and hygienically sealed with a special seal ring. A guide disc and four legs guide the spring loaded valve plug with an O-ring seal.

The valve is available with welding ends for tubes according to ISO and DIN 11850.



TECHNICAL DATA

Temperature

Max. temperature: 140°C (EPDM)

Min. temperature: -10°C

Pressure

Max. product pressure: 1000 kPa (10 bar)

Mechanical

Required differential pressure for opening the valve when fitted in a vertical pipe, as shown in fig. 3, is approx. 6 kPa (0.06 bar)

Options

Product wetted seal rings of Nitrile (NBR) or Fluorinated rubber (FPM).

PHYSICAL DATA

Materials

Product wetted steel parts: 1.4301 (304) / 1.4404 (316L)

External surface finish Semi-bright (blasted)

Internal surface finish Bright (polished), Ra < 0.8 µm

Product wetted seals: EPDM rubber