

## Manual or Automatic - it's your Choice

### LKB Automatic or Manual Butterfly Valve

#### Concept

LKB is a sanitary automatically or manually operated butterfly valve for use in stainless steel pipe systems.

#### Working principle

LKB is either remote-controlled by means of an actuator or manually operated by means of a handle.

The actuator is made in three standard versions, normally closed (NC), normally open (NO) and air/air activated (A/A).

The actuator is designed so that an axial movement of a piston is transformed into a 90° rotation of a shaft. The torque of the actuator is increased when the valve disc contacts the seal ring of the butterfly valve.

The handle for manual operation mechanically locks the valve in its open or closed position. The handles for the valve sizes DN125 and DN150, which are designed for locking in two intermediate positions, enable adjusting of the valve, so that the flow rate can be regulated.



#### TECHNICAL DATA

##### Valve

Max. product pressure: . . . . . 1000 kPa (10 bar).  
 Min. product pressure: . . . . . Full vacuum.  
 Temperature range: . . . . . -10°C to +95°C.  
 . . . . . max. temperature if valve  
 operates

##### Actuator

Max. air pressure: . . . . . 700 kPa (7 bar).  
 Min. air pressure, NC and NO: . . . . . 400 kPa (4 bar).  
 Temperature range: . . . . . -25°C to +90°C.  
 Air consumption (litres free air) - ø85  
 mm: . . . . . 0.24 x p (bar).  
 Air consumption (litres free air) - ø133  
 mm: . . . . . 0.95 x p (bar).  
 Weight: . . . . . - ø85 mm: 3 kg.  
 . . . . . - ø133 mm: 12 kg.

#### PHYSICAL DATA

##### Valve

Product wetted steel parts: . . . . 1.4307 (304L) or 1.4404 (316L).  
 Other steel parts: . . . . . 1.4307 (304L).  
 Rubber grades: . . . . . Q, EPDM, FPM, HNBR or PFA.  
 Bushes for valve disc: . . . . . PVDF.  
 Finish: . . . . . Semi-bright.

##### Actuator

Actuator body: . . . . . 1.4307 (304L).  
 Piston: . . . . . Light alloy (for ø85 mm: Bronze).  
 . . . . . Air/air version.  
 Seals: . . . . . Nitrile (NBR).