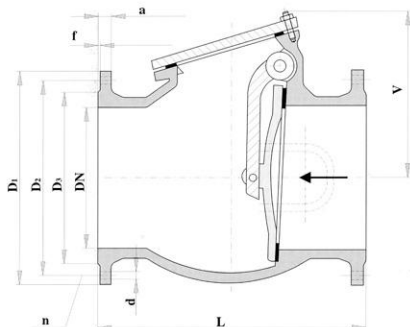


Swing check valve

L 10 117-610

PN 10



Application

Self-acting valve preventing from reflux of transported medium. It is used for water, steam, gases and other non-aggressive liquids for working pressures and temperatures:

Temperature [°C]	Pressure [MPa]
120	1,00
150	0,90
180	0,84
200	0,80

Swing check valve is not a shut-off valve. If tightness is required, shut-off valve must be also inserted into the pipeline.

Technical description

Swing check valve is a full bore valve. Disc fits on the seat sealing surface and is carried in an arm revolving on a special hinge pin. Valve bonnet is inclined up to DN 400, for DN 500 and DN 600 is flat.

Connection

Flanges as per DIN 2501 and DIN 2526, Form C. Face-to-face dimensions as per DIN 3202/F6. Basic connecting dimensions are given in the table.

Materials

Body, bonnet, disc cast iron (GG-20)
Pin stainless steel (13Cr)
Sealing surfaces brass

Testing

Swing check valve is tested as per DIN 3230.

Installation

Valve can be installed either into horizontal or vertical position. In vertical pipeline disc must be in upper position and flow direction must be upwards and follow the arrow on the body.

Control

Self-acting by the pressure of working medium on the valve disc which in the closed position avoids reverse flow of medium.

Various design

- L10 - basic
- L11 - with lever and counterweight
- L12 - with by-pass
- L17 - with lever and counterweight and by-pass

DN	L	V	D ₁	D ₂	D ₃	a	f	d	n	kg
300	700	335	445	400	370	28	4	22	12	155
350	800	385	505	460	430	30	4	22	16	246
400	900	425	565	515	482	32	4	26	16	346
500	1100	490	670	620	585	34	4	26	20	630
600	1300	580	780	725	685	36	5	30	20	965