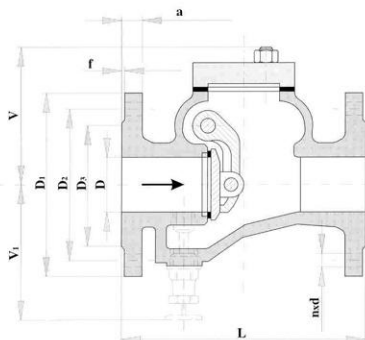


Swing check valve

L 10 117-616

PN 16



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.

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

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	1,60
150	1,44
180	1,34
200	1,28

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. The valve disc is attached to the arm with joint pin. This design improve the valve sealing properties of the valve.

Connection

Flanges as per DIN 2501 and DIN 2526, Form C. Face-to-face dimensions as per ČSN EN 558 (line 1) and DIN 3202/F6 (line 2). Basic connecting dimensions are given in the table.

Materials

Body, bonnet, disc	cast iron (GG-20)
Pin	stainless steel (13Cr)
Disc	malleable iron (GTS-35-10)
Sealing surfaces - body	brass
- disc	brass (up to 200°C) rubber (up to 120°C)

Testing

Swing check valve is tested as per DIN 3230, (ČSN 133060, part 2).

DN	D	L - series 1	L - series 2	V ₁	V	D ₁	D ₂	D ₃	a	f	d	n	kg
40	40	200	180	135	110	150	110	88	18	3	18	4	9
50	50	230	200	140	120	165	125	102	20	3	18	4	10
65	65	290	240	150	130	185	145	122	20	3	18	4	15
80	80	310	260	160	135	200	160	133	22	3	18	8	18
100	100	350	300	170	160	220	180	158	24	3	18	8	27
125	125	400	350	175	180	250	210	184	26	3	18	8	40
150	150	460	400	210	205	285	240	212	26	3	22	8	53
200	200	500	500	240	255	340	295	268	30	3	22	12	82
250	250	600	600	270	290	405	355	320	30	3	26	12	124