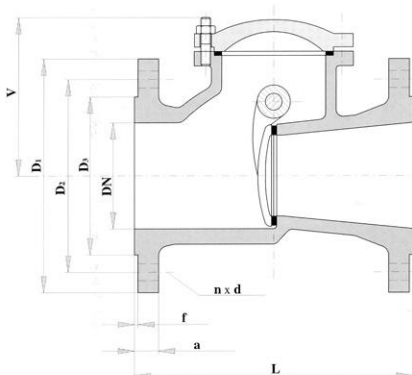


Swing check valve

L 10 117-016

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. Valves in design -016 are used for aggressive liquids, steam, gases considering type, temperature and concentration. Maximum working pressures and temperatures:

Temperature [°C]	Pressure [MPa]
80	1,60
300	1,30
400	1,00

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 straight flow valve. Disc fits on the seat sealing surface and is carried in an arm revolving on a special hinge pin. Disc is pushed to the sealing surfaces during the reverse flow.

Connection

Flanges as per ČSN 131060 & 131061. Face-to-face dimensions as per ČSN EN 558. Basic connecting dimensions are given in the table.

Materials

Body, bonnet, disc

cast stainless steel (DIN 1.4410)

Pin

stainless steel (13Cr)

Sealing surfaces

basic material

Testing

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

DN	L	V	D ₁	D ₂	D ₃	a	f	d	n	kg
40	200	105	150	110	88	18	3	18	4	12
50	230	110	165	125	102	18	3	18	4	15
65	290	140	185	145	122	18	3	18	4	20
80	310	145	200	160	133	20	3	18	8	24
100	350	160	220	180	158	20	3	18	8	35
125	400	180	250	210	184	22	3	18	8	48
150	460	195	285	240	212	22	3	22	8	62
200	500	245	340	295	268	24	3	22	12	103