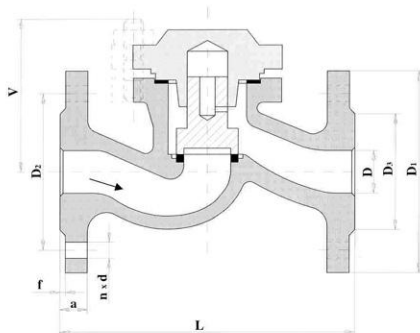


Lift check valve

Z 15 117-540

PN 40



Application

Self-acting valve preventing reverse flow of the service fluid, for use with water, steam, on special request also for other non-aggressive liquids and gases with temperature up to 400°C (depending on valve material), for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
200	4,00
300	3,09
400	2,35

If tightness is required, it is necessary to install into pipeline also a shut-off valve, besides the check valve.

Technical description

The valve is bonnet type. Disc is guided loose in a bonnet and fits in a sealing surface welded in the valve body. Flow direction in the valve is from under the disc.

Connecting and face-to-face dimensions

Flange connecting dimensions as per ČSN 13 1060, DIN 2501 and ČSN 13 1061. Face-to-face dimensions as per ČSN EN 558, DIN 3202 F1.

Basic face-to-face and connecting dimensions are given in the table.

Material

Body, bonnet

up to 400°C alloy steel (42 2643.1, GS-C25)

Disc stainless steel (13 Cr)

Sealing surface weld overlay (13 Cr)

Testing

The valve is tested as per ČSN 13 3060, part 2, DIN 3230.

Installation

The valve must be installed only in horizontal pipeline with the bonnet upwards.

Operation

The valve is self-acting, using the pressure of the service fluid on the disc, which closes to prevent reverse medium flow.

DN	D	L	V	D ₁	D ₂	D ₃	a	f	d	n	kg
15	15	130	66	95	65	47	16	2	14	4	3
25	25	160	79	115	85	68	18	2	14	4	5
40	40	200	101	150	110	88	18	3	18	4	10
50	50	230	113	165	125	102	20	3	18	4	13
65	70	290	123	185	145	122	22	3	18	4	21
80	80	310	144	200	160	133	24	3	18	8	29
100	100	350	174	235	190	158	24	3	22	8	43
125	125	400	219	270	220	184	26	3	26	8	70
150	150	480	241	300	250	212	28	3	26	8	98
200	200	600	286	375	320	285	34	3	30	12	188