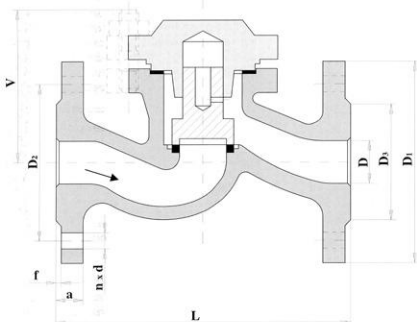


# Lift check valve

Z 15 117-240

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 550°C (depending on valve material), for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
200	5,00
300	4,81
400	4,25
500	3,11
550	1,37

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 550°C alloy steel (42 2744.5, 1.7537)

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 <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	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