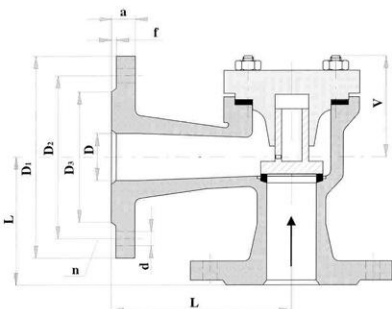


# Angle lift check valve

Z 15 217-616

PN 16



## Application

Self-acting valve which prevents reverse flow of the service fluid, for use with water, steam, on special request also for other non-aggressive liquids and gases for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
120	1,60
150	1,44
180	1,34
200	1,28
250	1,12
300	0,96

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. The disc fits on a seat rolled 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

grey cast iron (42 2420, GG-20)

Disc to DN 32 stainless steel (13 Cr)

Disc from DN 40

carbon steel with 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>s</sub>	a	f	d	n	kg
15	15	65	66	95	65	47	14	2	14	4	3,5
25	25	80	80	115	85	68	16	2	14	4	5,5
40	40	100	105	150	110	88	18	3	18	4	11
50	50	115	115	165	125	102	20	3	18	4	14
65	70	145	135	185	145	122	20	3	18	4	23
80	80	155	145	200	160	133	22	3	18	8	30
100	100	175	175	220	180	158	24	3	18	8	47
125	125	200	215	250	210	184	26	3	18	8	70
150	150	240	240	285	240	212	26	3	22	8	96
200	200	300	285	340	295	268	30	3	22	12	190