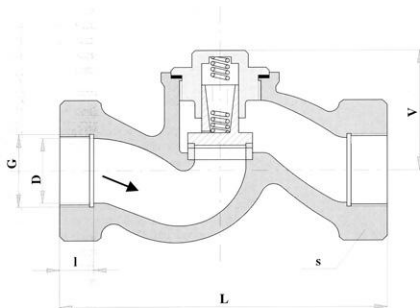


# Screw-end lift check valve

Z 10 137-616

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

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 head-type. Closing disc is guided loose in a bonnet and pressed into a rolled seat by a spring. Flow direction in the valve is from under the disc.

## Connecting and end-to-end dimensions

Outlet and inlet ends of the valve are provided with pipe threads.

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

## Material

Body, head grey cast iron (42 2420, GG-20)

Disc from DN 32 stainless steel (13 Cr)

Disc from DN 40 grey cast iron with rolled-in sealing ring (13 Cr)

Seat stainless steel (13 Cr)

## Testing

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

## Installation

The valve must be installed only in vertical position with the bonnet upwards.

## Operation

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

DN	D	L	V	G	l	s	kg
10	10	85	55	3/8"	12	27	0,50
15	15	90	55	1/2"	14	30	0,65
20	20	100	55	3/4"	16	36	0,75
25	25	120	65	1"	18	46	1,15
32	32	140	80	1 1/4"	20	55	1,85
40	40	170	80	1 1/2"	22	60	2,50
50	50	200	90	2"	24	75	3,90