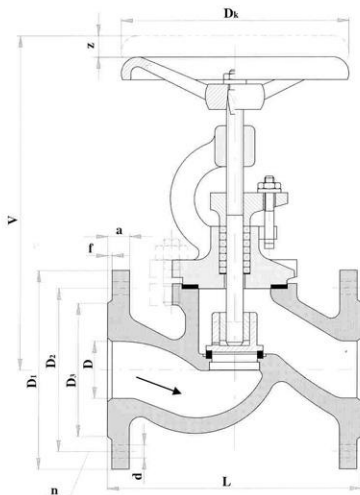


Shut-off check valve

Z 25 111-616

PN 16



Application

Shut-off check 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

Technical description

The valve is yoke type. Disc fits into a rolled seat in a body. The disc is guided loose on the stem. Stem is sealed with gland packing in the yoke. Flow direction in the valve is from under the disc.

Connecting and face-to-face dimensions

Flange connecting dimensions as per ČSN 13 1060 and ČSN 13 1061, DIN 2501. 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, yoke grey cast iron (42 2420, GG-20)
 Disc to DN 50 stainless steel (13 Cr)
 Disc from DN 65 grey cast iron (42 2420, GG-20)
 Sealing surface stainless steel rings
 Stem stainless steel (13 Cr)
 Gland packing asbestos-free fibre

Testing

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

Installation

The valve can be installed only into horizontal pipeline with handwheel upwards.

Operation

The valve can be closed by handwheel. When the stem is in its uppermost position, the valve works automatically, using the pressure of the service fluid on the disc, which closes to prevent reverse medium flow.

DN	D	L	V	z	D ₁	D ₂	D ₃	a	f	d	n	D _k	kg
15	15	130	195	6	95	65	47	14	2	14	4	125	4
25	25	160	195	6	115	85	68	16	2	14	4	125	5
40	40	200	240	9	150	110	88	18	3	18	4	160	10
50	50	230	245	10	165	125	102	20	3	18	4	160	12
65	70	290	305	15	180	145	122	20	3	18	4	200	19
80	80	310	310	18	200	160	133	22	3	18	8	200	24
100	100	350	375	26	220	180	158	24	3	18	8	250	38
125	125	400	425	28	250	210	184	26	3	18	8	250	53
150	150	480	460	30	285	240	212	26	3	22	8	320	72