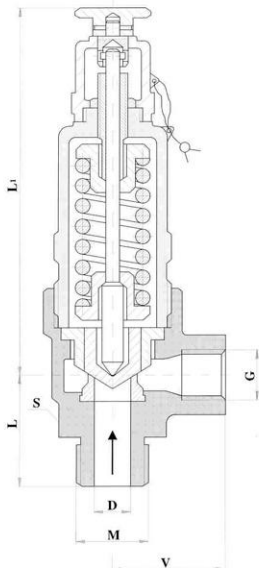


# Spring-loaded safety valve, low-lift with screw ends and threaded neck, gastight

P 11 287-616

PN 16



## Application

Safety valve designed to protect pressure vessels and other pressure equipment against exceeding specific pressure level for water, air, 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

Opening overpressure can be set between 0,1 MPa and 1,6 MPa for all diameters.

## Technical description

The valve is of enclosed design with a raising lever for in-service testing of the valve. Closing disc fits in a seat rolled in the body. The disc is pressed into the seat by a thrust pin, which is forced down by a spring. Flow direction in the valve is from under the disc.

## Connecting and end-to-end dimensions

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

## Material

Body, cover, top cover

grey cast iron (42 2420)

Disc, guide bush

stainless steel (13 Cr)

Seat ring

stainless steel (13 Cr)

Spring

special steel

## Testing

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

## Installation

The valve must be installed in vertical position with the thrust pin above the disc

## Operation

Automatically operated by service pressure on the disc.

## Water 20 °C

DN	Opening overpressure [MPa]															
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,5	1,6
	Gauranted discharge [kg/h]															
15	8,9	12,6	15,4	17,8	19,9	21,8	23,6	25,2	26,7	28,2	29,5	30,9	32,1	33,3	34,5	35,6
25	173,4	245,3	300,4	346,9	387,8	424,8	458,9	490,6	520,3	548,5	575,3	600,8	625,4	649	671,8	693,8

## Air 20 °C

DN	Opening overpressure [MPa]															
	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9	1,0	1,1	1,2	1,3	1,4	1,5	1,6
	Gauranted discharge [kg/h]															
15	0,59	0,89	1,19	1,49	1,79	2,09	2,39	2,69	2,99	3,29	3,59	3,89	4,19	4,49	4,79	5,09
25	24,7	37,2	49,8	62,3	74,8	87,3	99,8	112,3	124,8	137,3	149,8	162,3	174,8	187,4	199,9	212,4

DN	D	M	G	L	L <sub>1</sub>	V	S	kg
15	15	M 27 x 1,5	1/2"	43	155	42	41	1,4
25	25	M 42 x 2	1"	60	185	50	60	2,8