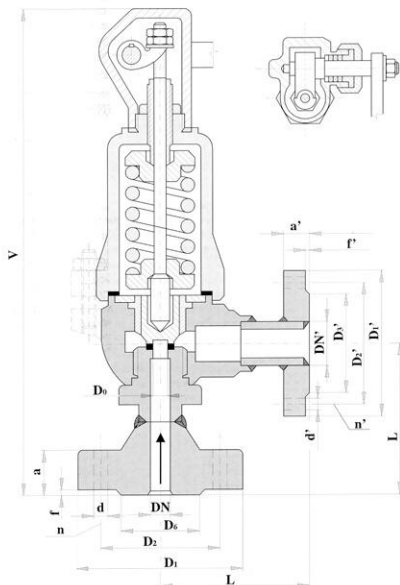


# Spring-loaded safety valve low-lift, gastight

P 14 217-5400

PN 400



## Application

Safety valve designed to protect pressure vessels and other pressure equipment against exceeding specific pressure level for steam, air, non-aggressive liquids and gases for service pressures and temperatures:

Temperature [°C]	Pressure [MPa]
200	40,00
250	-
300	-

## Technical description

The valve is of gastight design with a raising lever for in-service testing of the valve. Closing disc fits in a sealing surface welded in the body. The disc is pressed into the seat by a thrust pin, which is forced down by a spring. For higher temperatures, there is a special insert placed between the body and the spring cover. Flow direction in the valve is from under the disc.

## Connecting and face-to-end dimensions

Flange connecting dimensions as per ČSN 13 1060 and ČSN 13 1061, DIN 2501, for PN 400 on inlet, for PN 40 on outlet. Basic face-to-end and connecting dimensions are given in the table.

## Material

Body, cover	carbon steel (42 2643)
Disc	stainless steel (13 Cr)
Seat	weld overlay (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.

## Note

$P_{max}$  - maximum opening overpressure [MPa]

DN	DN'	D <sub>0</sub>	L	V	D <sub>1</sub>	D <sub>2</sub>	D <sub>6</sub>	a	f	d	n	D <sub>1</sub> '	D <sub>2</sub> '	D <sub>3</sub> '	a'	f'	d'	n'	P <sub>max</sub> kg	
10	25	10	115	373	125	85	50	32	2	18	4	115	85	68	18	3	14	4	40	13,8
15	40	14	130	515	145	100	60	37	2	22	4	150	110	88	20	3	18	4	40	29,5
25	50	20	155	625	180	130	80	42	2	26	4	165	125	102	22	3	18	4	39	44