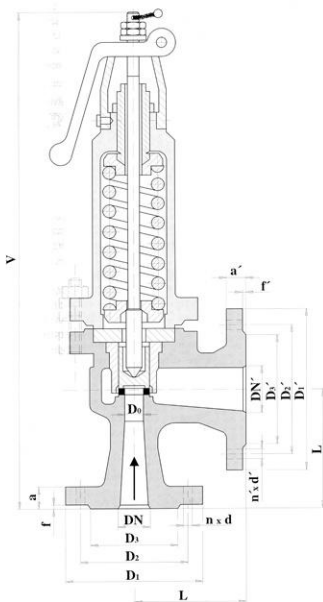


# Spring-loaded safety valve proportional

P 15 217-540

PN 40



## Note

Guaranteed discharge factor = 0,25

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

## 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	4,00
250	3,44
300	3,09

Opening overpressure can be set from 0,03 MPa.

## Technical description

The non-enclosed design of the valve has 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. 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 16 on inlet, for PN 10 on outlet.

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

## Material

Body, cover	carbon steel (42 2643)
Top cover	grey cast iron (42 2420)
Disc, guide bush	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.

DN	DN'	D <sub>0</sub>	L	V	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</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
25	25	20	90	365	115	85	68	18	2	14	4	115	85	68	16	2	14	4	4,0	9
40	40	32	110	505	150	110	88	18	3	18	4	150	110	88	18	3	18	4	4,0	20
50	50	40	125	530	165	125	102	20	3	18	4	165	125	102	18	3	18	4	4,0	24
65	65	56	145	650	185	145	122	22	3	18	8	185	145	122	18	3	18	4	4,0	44
80	80	70	155	750	200	160	133	24	3	18	8	200	160	133	20	3	18	8	4,0	63
100	100	90	175	790	235	190	158	24	3	22	8	220	180	158	20	3	18	8	2,5	73
125	125	100	200	905	270	220	184	26	3	26	8	250	210	184	22	3	18	8	2,4	106