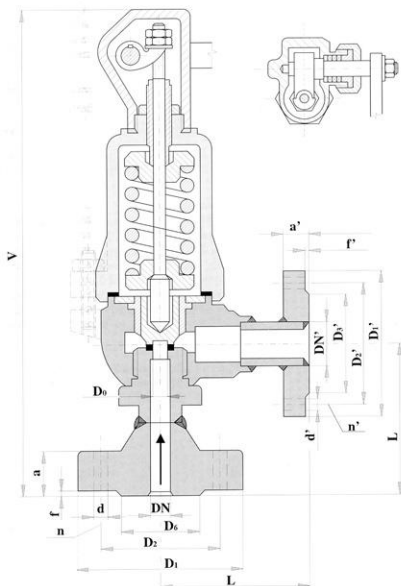


Spring-loaded safety valve low- lift, gastight

P 14 217-5250

PN 250



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	25,00
250	21,50
300	19,30

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, DN as per ČSN 13 1060 and ČSN 13 1061, DIN 2501, for PN 250 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 ₀	L	V	D ₁	D ₂	D ₆	a	f	d	n	D ₁ '	D ₂ '	D ₃ '	a'	f'	d'	n'	P_{max} kg	
15	25	15	115	373	130	90	55	32	2	18	4	115	85	68	18	3	14	4	25	13,8
25	40	20	130	515	150	105	70	35	2	22	4	150	110	88	20	3	18	4	25	30
40	50	30	155	625	185	135	90	40	3	26	4	165	125	102	22	3	18	4	19	46