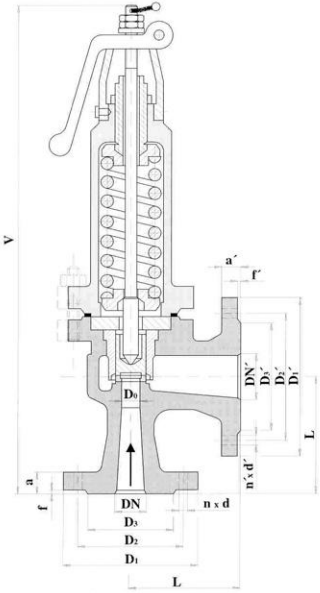
Spring-loaded safety valve proportional

P 15 217-616 PN 16



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]
120	1,60
150	1,44
180	1,34
200	1,28

Maximum opening overpressure is 1 MPa when used with steam boilers. Opening overpressure can be set between 0,03 MPa to 1,6 MPa for all diameters.

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 rolled seat 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, 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.

Note
Guaranteed discharge factor = 0,25
Maximum opening overpressure = 1,60 MPa

DN	DN´	D_0	L	V	D_1	D_2	D_3	a	f	d	n	D_1'	D_2'	D_5'	a´	f´	d´	n´	kg
25	25	20	90	365	115	85	68	16	2	14	4	115	85	68	16	2	14	4	9
40	40	32	110	505	150	110	88	18	3	18	4	150	110	88	18	3	18	4	21
50	50	40	125	530	165	125	102	20	3	18	4	165	125	102	20	3	18	4	25
65	65	56	145	650	185	145	122	20	3	18	4	185	145	122	20	3	18	4	43
80	80	70	155	750	200	160	133	22	3	18	8	200	160	133	22	3	18	8	59
100	100	90	175	790	220	180	158	24	3	18	8	220	180	158	22	3	18	8	68