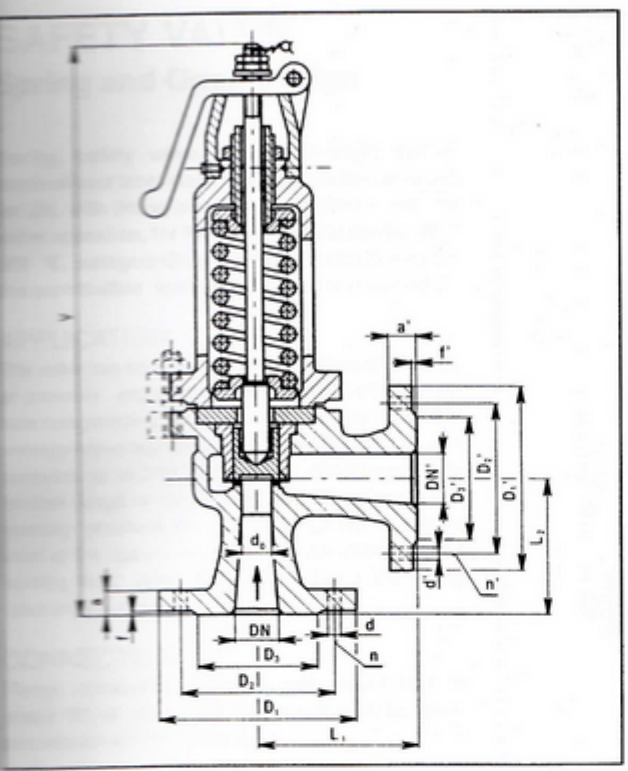
P15 217 540



SAFETY VALVE
Spring and Open Design

Spring, safety valve, open and angle design, made of carbon steel, of the same inlet and outlet DN, with lifting lever for inspection under the valve operation, for PN40 and temperatures up to 300°C, safeguarding pressure vessels against the permissible working pressure increasing.

APPLICATION

The valve can be used for pressure vessels and other pressure equipment, their settled working pressure safeguarding. Working fluids may be steam, air, nonaggressive liquids and gases with PN40 and temperatures up to 300°C. The lowest opening pressure for all DNs is 0,3 bar. It can be used at the space, where partial penetration of the working fluid, along the spring, during the safety valve blow is not harmful. The limitation of opening pressures with regard to working temperature is as follows:

40,0 bar for temperatures up to 200 °C
32,0 bar for temperatures up to 300 °C

Opening pressures in accordance with the spring design are given in the size table.

CONNECTION

Flange connection diameters with raised face of shape "B", at inlet PN40 and at outlet PN16, are in accordance with EN 1092-2.

MATERIAL

The main parts are made of carbon steel. Parts, ensuring the reliable valve function are made of stainless steel. The spring is made of special spring steel.

NOTE

The guaranteed discharge coefficient for liquids is: $\alpha_w = 0,25$
The guaranteed discharge coefficient for gases is: $\alpha_w = 0,25$

p_o max - max. opening pressure (bar)

DN	DN'	d_0	L_1	L_2	V	D_1	D_2	D_3	a	f	d	n	D_1'	D_2'	D_3'	a'	f'	d'	n'	$p_{o\,max}$	kg
25	25	20	90	90	365	115	85	68	18	2	14	4	115	85	68	16	2	14	4	4,0	9,0
40	40	32	110	110	505	150	110	88	18	3	18	4	150	110	88	18	3	18	4	4,0	20,5
50	50	40	125	125	530	165	125	102	20	3	18	4	165	125	102	18	3	18	4	4,0	24,5
65	65	56	145	145	650	185	145	122	22	3	18	8	185	145	122	18	3	18	4	4,0	44,0
80	80	70	155	155	750	200	160	133	24	3	18	8	200	160	133	20	3	18	8	4,0	63,0
100	100	90	175	175	790	235	190	158	24	3	22	8	220	180	158	20	3	18	8	2,5	73,0
125	125	100	200	200	905	270	220	184	26	3	26	8	250	210	184	22	3	18	8	2,4	106,5

$P_{o\,max}$ - max. opening pressure (bar)