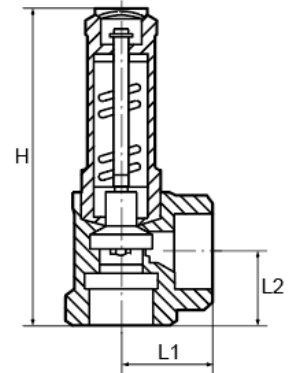


For non-toxic, non-flammable liquids. No evaporation allowed when blowing off.
With diaphragm to protect the spring and with lifting device.

Type-tested, TÜV-SV. 749. F

Adjustment range	1 - 10 bar
Operating temperature	-10 °C to 110 °C
Housing	Bronze
Spring bonnet	Brass
Internal parts	Brass
Diaphragms	NBR
Spring	C steel
Inlet and outlet	Each with female thread type G acc. to DIN EN ISO 228-1



Corner safety valve for liquids

Type No.	Thread	a/f mm	L1 mm	L2 mm	H mm
221.03	G 1/2	27	25.0	20.0	92.0
221.04	G 3/4	32	30.0	25.0	111.0
221.05	G 1	41	36.0	30.0	132.0
221.06	G 1 1/4	50	40.0	35.0	152.0
221.07	G 1 1/2	58	48.0	40.0	175.0
221.08	G 2	70	56.0	48.0	200.0

This product must be installed and operated in accordance with the installation and operating instructions, safety information and any relevant regulations and standards!



Discharge capacities

Calculation of flow rate acc. to AD2000-Merkblatt A2

Medium:

Water in kg/h at 20°C

The capacity indicated below is for a fully opened valve.

d0 - orifice

A0 - flow area

Discharge capacities							
Set pressure in bar (g)	Thread	1/2	3/4	1	1 1/4	1 1/2	2
	d0 (mm)	12.0	15.0	18.0	20.0	24.0	28,0
	A0 (mm ²)	113.1	176.7	254.5	314.2	452.4	615,8
	Medium	Water					
1.0		1208	2359	4212	6543	10146	12495
2.0		1708	3336	5957	9253	14349	17670
3.0		2092	4086	7296	11332	17573	21641
4.0		2416	4718	8425	13085	20292	24989
5.0		2701	5275	9419	14630	22687	27939
6.0		2959	5779	10318	16026	24853	30606
7.0		3196	6242	11145	17310	26844	33058
8.0		3416	6673	11915	18505	28697	35340
9.0		3624	7077	12637	19628	30438	37484
10.0		3820	7460	13321	20689	32085	39512
12.0		4184	8172	14592	22664	35147	43283
14.0		4519	8827	15761	24480	37963	46751
16.0		4831	9436	16850	26170	40584	49979

Special versions:

- Stainless steel spring- material 1.4571
- External parts nickel plated

Certificates acc. to DIN EN 10204 (available at an additional cost):

- 2.1 Declaration of compliance with the order
- 2.2 Not available
- 3.1 Inspection certificate - adjustment certificate
- 3.1 Inspection certificate - material certificate
- 3.1 Inspection certificate - material and adjustment certificate
- 3.2 Inspection certificate. Examination by TÜV - set pressure and material without specifying the batch