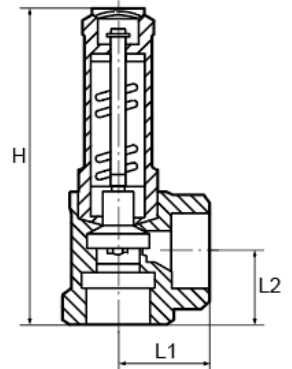


Type-tested, TÜV-SV.749. D/G

Adjustment range	0,2 - 20 bar
Operating temperature	-10 °C to 150 °C (185 °C with PTFE seal)
Housing	Bronze
Spring bonnet	Brass
Internal parts	Brass
Spring	C steel
Diaphragms	EPDM (> 3.5 bar = PTFE)
Inlet and outlet	Open



Corner safety valve for saturated steam

Type No.	Thread	a/f mm	L1 mm	L2 mm	H mm
222.03	G 1/2	27	25.0	22.0	99.0
222.04	G 3/4	32	30.0	25.0	112.5
222.05	G 1	41	36.0	30.0	132.5
222.06	G 1 1/4	50	40.0	35.0	152.8
222.07	G 1 1/2	58	48.0	40.0	175.5
222.08	G 2	70	56.0	48.0	200.4

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

Air in m³/h at 0°C and 1013.25 mbar

Saturated steam in kg/h

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		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		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		113.1	176.7	254.5	314.2	452.4	615.8
	Medium	Air							Saturated steam					
0.2		28	38	69	96	123	159		27	36	65	90	116	150
0.4		41	55	101	138	180	237		35	47	87	118	154	203
0.5		46	61	115	155	204	271		39	51	96	129	171	227
1.0		68	89	172	231	306	408		54	70	136	182	242	322
2.0		114	141	284	382	505	660		90	111	223	308	397	519
3.0		157	196	390	527	693	907		122	150	304	412	541	708
4.0		196	242	489	662	869	1138		153	188	380	514	675	884
5.0		237	291	590	798	1048	1372		183	225	455	616	809	1058
6.0		277	341	689	933	1225	1604		213	262	530	717	941	1232
7.0		317	390	789	1067	1402	1835		243	298	604	817	1073	1405
8.0		358	440	891	1206	1584	2073		272	335	678	917	1205	1577
9.0		398	490	991	1341	1762	2306		302	371	751	1017	1335	1748
10.0		439	540	1093	1479	1943	2543		331	407	824	1116	1466	1918
12.0		519	639	1293	1750	2299	3009		-	-	-	-	-	-
14.0		600	738	1493	2021	2655	3475		-	-	-	-	-	-
16.0		680	837	1693	2292	3011	3940		-	-	-	-	-	-
18.0		761	936	1894	2563	-	-		-	-	-	-	-	-
20.0		849	1044	2114	2861	-	-		-	-	-	-	-	-

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