



GOE-852
Bronze
Safety Relief Valve
Single High Lift
For Steam, Water, Oil, Air & Gasses
Flanged PN40 Inlet x PN16 Outlet



The Goetze 852 safety relief valve has a bronze body with various seal options.

This valve can be supplied either with open or closed cap. There is also an option with a bellows assembly in either elastomer or stainless steel.

Features, Benefits & Approvals

- TÜV test approval 2007
- DIN EN ISO 4126-1
- Optional bellows assembly
- Lever or dome top
- Side discharge
- Set, tested and certified prior to despatch

Pressure & Temperature

Pressure range:-

0.5 to 25 bar

Temperature range:-

NBR Disc : -30°C to 130°C

Stainless Steel Disc : -60°C to 225°C

EPDM Disc : -40°C to 170°C

FKM Disc : -20°C to 200°C

PTFE Disc : -60°C to 225°C

DN	40x65	50x80
Inlet Flange PN	40	40
Outlet Flange PN	16	16
L	115	120
h	140	150
D	150	165
K / nxd	110 / 4x18	125 / 4x18
D1	185	200
K1 / n1xd1	145 / 8x18	160 / 8x18
H / H1 ¹	345 / 362	345 / 362
Lmax	150	150
do	37	46
Weight	17	19
Weight (with bellows)	18	20

Materials	
Body & Spring Housing	Bronze (CC499K)
Internal Parts	Stainless Steel (316L)
Spring	Stainless Steel (302)
Bellows (optional)	Stainless Steel (316 Ti)
Disc	NBR • Stainless Steel • EPDM • FKM • FFKM • PTFE

ISO4126-1 CAPACITY AIR (Nm ³ /h) *			ISO4126-1 CAPACITY STEAM (kg/h) *			ISO4126-1 CAPACITY WATER (m ³ /h) *		
Set Pressure (bar)	DN40	DN50	Set Pressure (bar)	DN40	DN50	Set Pressure (bar)	DN40	DN50
0.5	667	995	0.5	503	750	0.5	23	36
1.0	983	1472	1.0	785	1176	1.0	32	49
1.5	1299	1948	1.5	1032	1547	1.5	39	60
2.0	1615	2461	2.0	1273	1939	2.0	45	69
2.5	1926	2926	2.5	1510	2294	2.5	50	77
3.0	2208	3404	3.0	1726	2661	3.0	55	85
3.5	2491	3839	3.5	1937	2985	3.5	59	91
4.0	2773	4275	4.0	2151	3315	4.0	63	98
6.0	3903	6016	6.0	3003	4629	6.0	77	120
8.0	5033	7758	8.0	3843	5923	8.0	89	138
10.0	6163	9500	10.0	4681	7215	10.0	100	154
12.0	7293	11241	12.0	5511	8494	12.0	109	169
14.0	8423	12983	14.0	6348	9784	14.0	118	183
16.0	9553	14725	16.0	7181	11069	16.0	126	195
18.0	10683	16466	18.0	8002	12334	18.0	134	207
20.0	11813	18208	20.0	8835	13617	20.0	141	218
22.0	12943	19949	22.0	9670	14905	22.0	148	229
25.0	14638	22562	25.0	10920	16831	25.0	158	244

* Blowing-off rates at 10% above set pressure