



## GOETZE SAFETY RELIEF VALVES

### GOE-812

#### HIGH PERFORMANCE SAFETY RELIEF VALVE FOR AIR & INERT GASES



### Part No. GOE-812

### BRASS BODY ATMOSPHERIC DISCHARGE SAFETY RELIEF VALVE

The GOE-812 is a quality, high performance safety relief valve suitable for the protection of pressure tanks and systems for air and inert gas applications. The valve has a high discharge rate making it suitable for high capacity applications.

The GOE-812 is of a brass cylindrical construction with stainless steel spring and NBR disc as standard with options of Viton or PTFE disc. A seal cap prevents unauthorized tampering of the valve.

#### Features & Benefits

- TÜV test certificate: 2003.
- DIN EN ISO 4126-1.
- Quality robust design.
- High capacity discharge.
- Stocked valves set & certified to your exact requirements in our workshop.

#### Pressure & Temperature

Pressure range:-

NBR & Viton disc: 0.2 to 40\* bar

PTFE disc: 1 to 40\* bar

\* DN20-25: 35 bar max - DN32-50: 30 bar max

Temperature Range:-

NBR disc: up to 130°C

Viton disc: up to 200°C

PTFE disc: up to 225°C

#### GOE-812 Dimensions

SIZE	A	B	C	D (BSP)	E
DN15	144	12	14	1/2	32
DN20	177	15	20	3/4	41
DN25	177	15	24	1	41
DN32	215 (177*)	22.5	32	1 1/4	60
DN40	215 (177*)	22.5	32	1 1/2	60
DN50	282	26	48	2	80

\* Optional short dimension when valve is set between 1.8 - 6.0 bar

#### GOE-812 Air Capacity Chart - m<sup>3</sup>/h (Blowing-off rate at 10% above set pressure)

SET PRESSURE (bar)	0.2	0.4	0.6	0.8	1	1.5	2	3	4	5	6	7	8	9	10
DN15	58	84	108	128	147	194	245	338	436	524	613	702	790	879	968
DN20	156	197	234	277	319	419	520	717	923	1112	1300	1488	1676	1864	2052
DN25	225	284	337	399	459	604	749	1032	1330	1601	1872	2143	2413	2684	2955
DN32	376	473	563	666	766	1007	1249	1723	2219	2671	3123	3575	4027	4478	4930
DN40	376	473	563	666	766	1007	1249	1723	2219	2671	3123	3575	4027	4478	4930
DN50	721	851	981	1111	1370	1827	2325	3177	4056	4962	5802	6642	6034	6711	7388

SET PRESSURE (bar)	11	12	13	14	15	16	17	18	19	20	25	30	35	40
DN15	1057	1145	1234	1323	1412	1500	1589	1678	1766	1855	2299	2742	3186	3630
DN20	2240	2428	2617	2805	2993	3181	3369	3557	3745	3933	4874	5815	6755	-
DN25	3226	3497	3768	4039	4310	4581	4851	5122	5393	5664	7019	8373	9727	-
DN32	5382	5834	6286	6738	7190	7642	8094	8546	8998	9450	11710	13970	-	-
DN40	5382	5834	6286	6738	7190	7642	8094	8546	8998	9450	11710	13970	-	-
DN50	8065	8742	9420	10097	10774	11451	12129	12806	13483	14160	17546	20933	-	-