



GOE-2480

**Bronze
Side Discharge
Safety Relief Valve
Cryogenic & Oxygen Duty**

**BSPF Male x Female Threaded
(NPT & Female x Female options on request)**



The GOE-2480 full lift safety relief valve is designed for high capacity pressure relief of cryogenic and oxygen duties.

The valve has a high discharge capacity making it possible to use this small and inexpensive safety relief valve even for large pressure tanks.

Features, Benefits & Approvals

- BV & ABS type approved
- Cryogenic duty
- Oil free for oxygen duty
- Suitable for high capacities
- Side discharge
- Lever or gastight spring housing dome
- Set, tested and certified prior to despatch
- User adjustable if necessary

Pressure & Temperature

Pressure range:-

Cryogenic : 0.2 to 70 bar
Oxygen : 0.2 to 40 bar

Temperature range:-

-200°C to 200°C
60°C max. for oxygen duty

DN	08						10				15		
Gi Inlet	1/4"	3/8"	1/2"	1/4"	3/8"	1/2"	3/8"	1/2"	1/2"	3/4"	1/2"	3/4"	1"
Go Outlet	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1"	1"	1"	1"	1"
h1	12	12	14	12	12	14	12	14	14	16	14	16	18
h	22	22	22	26	26	26	26	26	36	36	36	36	36
L	21	21	21	26	26	26	26	26	36	36	36	36	36
Lmax	43	43	43	47	47	47	47	47	66	66	66	66	66
H	85	85	85	99	99	99	99	99	134	134	134	134	134
H1	91	91	91	107	107	107	107	107	144	144	144	144	144
Hmax	99	99	99	116	116	116	116	116	156	156	156	156	156
SW1	22	22	22	27	27	27	27	27	34	34	34	34	34
Weight Kg	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7

Materials

Inlet Body	Stainless Steel (316L)
Outlet Body	Bronze / Brass
Internal Parts	Stainless Steel (316L)
Spring	Stainless Steel (302)
Seal	PTFE with FDA Approval

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Capacity Charts/Sizing

CAPACITY AIR (Nm ³ /h) @ 10% overpressure			
Set Pressure (bar)	DN08	DN10	DN15
0.2	11.1	17.3	33.9
0.5	17.4	27.2	53.3
1.0	25.8	40.3	79.0
1.5	34.5	54.0	105.8
2.0	43.2	67.5	132.2
2.5	51.7	80.8	158.4
3.0	60.1	93.9	184.1
3.5	68.1	106.5	208.7
4.0	76.0	118.8	232.8
4.5	83.8	130.9	256.5
5.0	91.5	143.0	280.2
6.0	107.0	167.1	327.6
7.0	122.5	191.3	375.0
8.0	137.9	215.5	422.4
9.0	153.4	239.7	469.9
10	168.9	263.9	517.3
15	246.3	384.9	754.4
20	323.7	505.8	991.5
25	401.2	626.8	1228.5
30	478.6	747.8	1465.6
40	633.4	989.7	1939.8
50	788.2	1231.6	2414.0
60	943.1	1473.6	-
70	1097.9	1715.5	-

CAPACITY WATER (m ³ /h) @ 10% overpressure			
Set Pressure (bar)	DN08	DN10	DN15
0.2	0.4	0.6	1.2
0.5	0.6	0.9	1.8
1.0	0.8	1.2	2.4
1.5	1.0	1.5	2.9
2.0	1.1	1.7	3.4
2.5	1.2	1.9	3.8
3.0	1.4	2.1	4.2
3.5	1.5	2.3	4.5
4.0	1.6	2.5	4.8
4.5	1.7	2.6	5.1
5.0	1.8	2.7	5.4
6.0	1.9	3.0	5.9
7.0	2.1	3.2	6.4
8.0	2.2	3.5	6.8
9.0	2.4	3.7	7.2
10	2.5	3.9	7.6
15	3.0	4.8	9.3
20	3.5	5.5	10.8
25	3.9	6.1	12.0
30	4.3	6.7	13.2
40	5.0	7.8	15.2
50	5.6	8.7	17.0
60	6.1	9.5	-
70	6.6	10.3	-