

# ART 810

## Brass Atmospheric Discharge Safety Valve



### Features

- Male BSP Parallel (ISO 228/1)
- Suitable for neutral gases and air
- Set pressure: 0.2 to 50 bar
- ISO 4126-1, PED 2014/68/EU
- Marine approvals - GL, LR EMEA, BV, ABS, DNV, RS
- ATEX approval available at extra cost
- 24 month warranty
- Test certificate to EN10204-3.1 available on request
- Standard discharge capacity

### Technical data

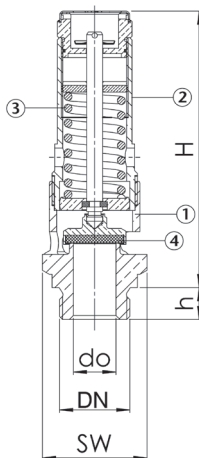
Max pressure: 50 Bar

Working temp: PTFE Seal

-60°C to 225°C

Safety valves are set and sealed at the factory.

See overleaf for discharge capacity.



DN	1/4"	3/8"	1/2"	3/4"	1"			
H	60	65	78	66	79	94	104	111
h	10	10	10	12	12	12	12	14
SW	19	24	24	27	27	34	34	41
do	7.5	10	10	11	11	16	16	20
Kgs	0.10	0.14	0.16	0.17	0.19	0.35	0.40	0.60

N.	Part Name	Materials
1	Inlet Body	Brass CW617N
2	Outlet Body	Brass CW617N
3	Spring	Stainless Steel 1.4568
4	Internal Parts	Brass CW617N

### Typical Applications

- Compressors
- Pressure booster plants air-side
- Paint spray shops
- Pneumatic control units
- Transport and railway applications

## Discharge Capacities

### Blowing-off rates at 10% above set pressure

DN Bar	1/4"	3/8"	1/2"	3/4"	1"	DN Bar	1/4"	3/8"	1/2"	3/4"	1"
0,2	20	35	46	100	133	22	584	1064	1304	2724	4148
0,3	25	45	54	119	144	23	609	1110	1361	2843	4329
0,4	29	52	67	137	167	24	635	1157	1417	2961	4510
0,5	32	58	74	158	185	25	660	1203	1474	3080	4691
0,6	35	64	82	172	211	26	685	1250	1531	3199	4872
0,7	37	70	87	187	235	27	711	1296	1588	3318	5053
0,8	41	74	95	200	260	28	736	1342	1645	3437	5234
0,9	43	80	101	213	282	29	762	1389	1702	3556	5415
1	46	85	107	227	305	30	787	1435	1759	3675	5597
1,5	60	108	137	286	408	31	813	1482	1816	3794	5778
2	73	132	166	346	506	32	838	1528	1873	3913	5959
3	100	182	222	465	699	33	864	1575	1930	4031	6140
4	125	228	279	584	889	34	889	1621	1986	4150	6321
5	151	274	336	703	1070	35	915	1667	2043	4269	6502
6	176	321	393	821	1251	36	940	1714	2100	4388	6683
7	201	367	450	940	1432	37	966	1760	2157	4507	6864
8	227	414	507	1059	1613	38	991	1807	2214	4626	7045
9	252	460	564	1178	1794	39	1017	1853	2271	4745	7226
10	278	507	621	1297	1975	40	1042	1900	2328	4864	7407
11	303	553	678	1416	2156	41	1068	1946	2385	4983	7588
12	329	599	735	1535	2337	42	1093	1993	2442	5101	7769
13	354	646	791	1654	2518	43	1119	2039	2499	5220	7950
14	380	692	848	1773	2700	44	1144	2085	2556	5339	8131
15	405	739	905	1891	2881	45	1170	2132	2612	5458	8313
16	431	785	962	2010	3062	46	1195	2178	2669	5577	8494
17	456	832	1019	2129	3243	47	1220	2225	2726	5696	8675
18	482	878	1076	2248	3424	48	1246	2271	2783	5815	8856
19	507	925	1133	2367	3605	49	1271	2318	2840	5934	9037
20	533	971	1190	2486	3786	50	1297	2364	2897	6053	9218
21	558	1017	1247	2605	3967						

## Seat-Seal/Diaphragm Options

Option	Materials	Type	Working Temp.
FKM	Fluorocarbon	Elastomere flat seal 0,2 – 25 bar	-20°C to +200°C
PTFE	Polytetrafluoroethylene	Flat seal 25,1 – 50 bar	-60°C to +225°C
Against surcharge			
PTFE	Polytetrafluoroethylene	Flat seal 0,2 – 25 bar	-60°C to +225°C