



The unique design of many of our valves together with our continuous development and test programs allows us to offer a comprehensive range of valves with extended operating life. The options include soft and metal to metal seated valves, lifting devices, different materials etc. These are suitable for vessels, trailers, cylinders, process plant, high purity and many other piping applications. The range is fully approved for air gases and CO2 duties holding most of the approvals for the global industrial gas market.

Valves in this range have allowed customers, in agreement with local authorities, to increase the period between inspection and service intervals, reducing lifetime costs.



Most Common Bulk Tank Thermal Relief Valve

Most Common NPT Inlet	Vendor Reference Number	To Order Part Number	Orifice	Pressure
1/2" x 1"	06388.0704.6040	SVB-A-65-FCHH	0.275"	65psi
1/2" x 1"	06388.0704.6040	SVB-A-125-FCHH	0.275"	125psi
1/2" x 1"	06388.0704.6040	SVB-A-175-FCHH	0.275"	175psi
1/2" x 1"	06388.0704.6040	SVB-A-250-FCHH	0.275"	250psi
1/2" x 1"	06388.0704.6040	SVB-A-375-FCHH	0.275"	375psi
3/4" x 1"	06388.1006.6040	SVB-D-175-FCHH	0.413"	175psi
3/4" x 1"	06388.1006.6040	SVB-D-250-FCHH	0.413"	250psi
1" x 1 1/4"	06388.1510.6040	SVB-E-250-FCHH	0.590"	250psi

Discharge capacities

Medium:

Air in m³/h at 0°C and 1013.25 mbar

Air in SCFM at 0°C and 1013.25 mbar

The capacity indicated below is for a fully opened valve.

d₀ - orifice

A₀ - flow area

Calculation of discharge capacity acc. to AD2000-Merkblatt A2 / DIN EN ISO 4126-1 resp. ASME Code Sec. VIII. The Safety Valve is marked with the lower capacity of both calculations.

Set pressure in bar (ü)	GW		1/2	3/4	1	1-1/4	1-1/2	Set pressure in psig	GW		1/2	3/4	1	1-1/4	1-1/2
	d ₀ (mm)	A ₀ (mm ²)	7,0	10,5	15,0	23,0			d ₀ (inch)	rated slope	0,276	0,414	0,591	0,907	
		Medium	38,48	86,6	176,63	415,27				Medium	0,862	1,517	2,769	7,55	
	Air in m ³ /h								Air in SCFM						
2,0			-	-	-	564	50		60	102	180	524			
2,9			-	144	253	737	60		70	118	208	607			
3,0			-	148	260	757	70		79	134	236	690			
3,3			94	159	279	815	80		89	150	265	772			
4,0			109	185	326	950	90		98	167	294	855			
5,0			132	223	392	1143	100		107	183	322	938			
6,0			153	260	458	1336	110		117	199	350	1021			
7,0			176	298	524	1529	120		126	215	379	1104			
8,0			197	336	590	1721	130		136	231	407	1187			
9,0			220	373	657	1914	140		145	248	435	1269			
10,0			241	411	723	2107	150		155	264	464	1352			
12,0			286	486	855	2493	175		179	304	535	1559			
14,0			330	561	988	2879	200		202	345	606	1766			
16,0			374	637	1120	3265	225		226	384	677	1973			
18,0			418	712	1252	3651	250		250	425	748	2180			
20,0			463	787	1385	4037	275		273	465	818	2386			
22,0			507	862	1517	4423	300		297	506	889	2593			
24,0			551	938	1650	4809	325		321	546	961	2800			
26,0			595	1013	1782	5195	350		345	586	1032	3007			
28,0			639	1088	1914	5581	375		368	627	1103	3214			
30,0			684	1163	2047	5967	400		392	667	1174	3421			
32,0			728	1239	2179	6353	425		416	707	1244	3628			
34,0			772	1314	2311	6739	450		439	748	1315	3835			
36,0			816	1389	2444	7125	475		463	788	1386	4042			
38,0			860	1464	2576	7511	500		487	828	1457	4249			
40,0			905	1540	2709	7897	525		510	869	1529	4456			
42,0			949	1615	2841	8282	550		534	909	1600	4662			
44,0			993	1690	2973	8668	575		558	950	1670	4869			
46,0			1037	1765	3106	9054	625		605	1030	1812	5283			
48,0			1082	1841	3238	9440	675		653	1111	1954	5697			
50,0			1126	1916	3370	9826	725		700	1192	2096	6111			

Dimensions in mm