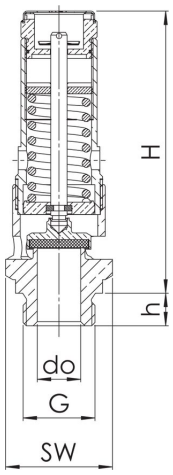
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Safety valve made of brass component-tested Series SV01



Design type	Spring-loaded safety valve This type is an open design, i.e. it is free exhausting. The valve can be manually vented by turning the knurled nut. The set pressure is secured against adjustment by the sealing cap.
Connection	G1/4"...G2"
Materials	Valve body and Internal parts Brass CW614N, Spring Stainless steel 1.4310, Seal 0,2...25bar FKM, 25,1...50bar PTFE
Application range	Compressed air, neutral gases and vapours that may be freely vented
Medium temperature	Seal FKM -20...+ 200°C, Seal PTFE -60...+225°C
Adjustment range	see table
Mounting type	Installation in rigid piping system
Mounting position	preferred upright, horizontal possible
Special versions	ASME, ATEX, Seal PTFE 0,2...25bar, oil- and grease-free
Ordering note	Specify the set pressure when ordering

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G	Set pressure [bar]	d_0	H	h	SW	Weight [approx. kg]	Type
G1/4"	0,2...50	7,5	60	10	19	0,10	SV01-14-7.5
G3/8"	0,2...9	10	65	10	24	0,14	SV01-38-10
G3/8"	9,1...50	10	78	10	24	0,16	SV01-38-10
G1/2"	0,2...7	11	66	12	27	0,17	SV01-12-11
G1/2"	7,1...50	11	79	12	27	0,19	SV01-12-11
G3/4"	0,2...9	16	94	12	34	0,35	SV01-34-16
G3/4"	9,1...50	16	104	12	34	0,40	SV01-34-16
G1"	0,2...50	20	111	14	41	0,60	SV01-10-20
G11/4"	0,2...16	25	133	20	50	0,97	SV01-114-25
G11/2"	0,2...16	32	161	22	60	1,85	SV01-112-32
G2"	0,2...16	40	165	24	68	2,45	SV01-20-40

Blow-off capacity at 10% overpressure for air [Nm^3/h]

Size	Set pressure [bar]															
	0,2	0,5	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5
G1/4"	19	32	46	60	73	86	100	112	125	138	151	163	176	189	202	214
G3/8"	34	59	86	109	133	158	182	205	228	251	275	298	321	344	368	391
G1/2"	42	75	108	137	166	194	223	251	280	308	337	365	394	422	451	479
G3/4"	92	157	227	287	346	406	465	525	584	644	703	763	822	882	941	1001
G1"	115	190	308	410	505	604	702	797	890	980	1071	1162	1252	1343	1434	1524
G11/4"	197	297	430	560	684	810	942	1081	1210	1333	1456	1580	1703	1826	1949	2072
G11/2"	340	510	740	961	1173	1389	1621	1872	2101	2314	2528	2742	2956	3170	3384	3598
G2"	572	841	1212	1592	1942	2299	2670	3057	3421	3769	4118	4466	4814	5163	5511	5860

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Blow-off capacity at 10% overpressure for air [Nm³/h]

Size	Set pressure [bar]														
	8	8,5	9	9,5	10	11	12	13	14	15	16	17	18	19	20
G1/4"	227	240	253	265	278	304	329	355	380	406	431	457	482	507	533
G3/8"	414	437	461	484	507	554	600	647	693	740	786	833	879	926	972
G1/2"	508	536	565	593	621	678	735	792	849	906	963	1020	1077	1134	1191
G3/4"	1060	1120	1179	1239	1298	1417	1537	1656	1775	1894	2013	2132	2251	2370	2489
G1"	1615	1706	1796	1887	1977	2159	2340	2521	2703	2884	3065	3246	3428	3609	3790
G11/4"	2196	2319	2442	2565	2689	2935	3181	3428	3674	3921	4167	-	-	-	-
G11/2"	3812	4026	4240	4454	4668	5096	5524	5952	6379	6807	7235	-	-	-	-
G2"	6208	6556	6905	7253	7602	8299	8995	9692	10389	11086	11783	-	-	-	-

Blow-off capacity at 10% overpressure for air [Nm³/h]

Size	Set pressure [bar]									
	21	22	23	24	25	26	27	28	29	30
G1/4"	558	584	609	635	660	686	711	737	762	788
G3/8"	1019	1065	1112	1158	1205	1251	1298	1344	1391	1437
G1/2"	1248	1305	1362	1419	1476	1533	1590	1647	1704	1761
G3/4"	2608	2727	2846	2965	3084	3203	3322	3441	3560	3679
G1"	3971	4153	4334	4515	4696	4878	5059	5240	5422	5603
G11/4"	-	-	-	-	-	-	-	-	-	-
G11/2"	-	-	-	-	-	-	-	-	-	-
G2"	-	-	-	-	-	-	-	-	-	-

Blow-off capacity at 10% overpressure for air [Nm³/h]

Size										
	32	34	36	38	40	42	44	46	48	50
G1/4"	839	809	941	992	1043	1094	1145	1196	1247	1298
G3/8"	1530	1623	1716	1809	1902	1995	2088	2181	2274	2367
G1/2"	1875	1989	2103	2217	2331	2445	2558	2672	2786	2900
G3/4"	3917	4155	4393	4631	4869	5107	5345	5583	5821	6059
G1"	5965	6328	6690	7053	7416	7778	8141	8503	8866	9228
G11/4"	-		-	-	-	-	-	-	-	-
G11/2"	-		-	-	-	-	-	-	-	-
G2"	-		-	-	-	-	-	-	-	-

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