

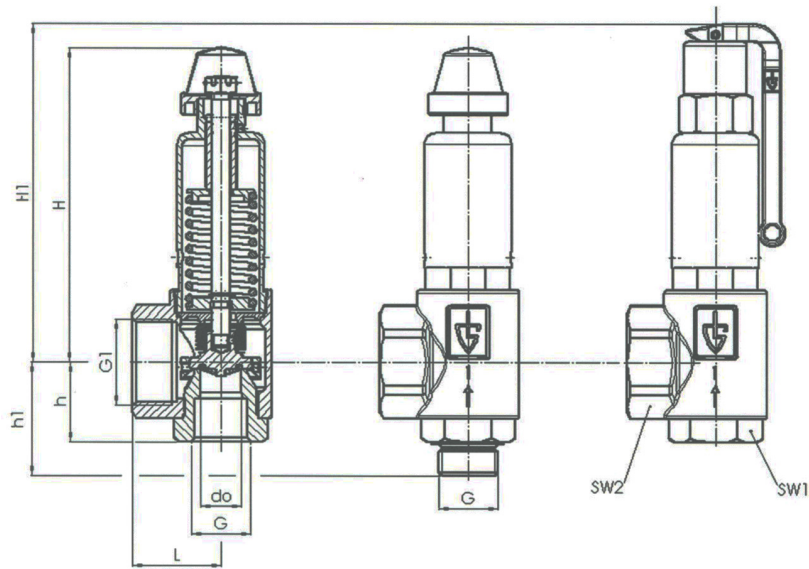
**safety valve, full stroke made of bronze with TÜV inspection number series SF04/SF06**



design	spring-loaded fully stroke safety valves this types are back pressure compensated - occurring back pressure during the blow process does not affect to the set pressure. max. back pressure is 4bar. by turning the knurled nut the valves can be exhausted. the set pressure is protected against adjustments through a seal cap.
connection	female thread G1/2" ...G11/4"
materials	valve body bronze, inner parts brass, spring stainless steel AISI 301
medium temperature	see table
range of adjustment	see table
type of fixing	installed into rigid pipework
mounting position	vertical only
application	see table
order information	specify set pressure by order
special versions	set pressure 25,1...50bar, with lifting lever instead of twist lifting, inlet with male thread, valve in ATEX

**table:**

range of adjustment	seal	application	medium temperature [°C]	type
0,5 - 25	EPDM	air, flammable and toxic gases and steam	-40...+170	SF04
0,5 - 25	EPDM	flammable and toxic liquids	-40...+170	SF06



G	G1	L	H	H1	h	h1	SW1	SW2	d <sub>0</sub>	weight [app. kg]	type	type
G1/2"	G1"	40	77	91	30	45	30	40	15,8	0,4	SF04-12W-15.8-XX	SF06-12W-15.8-XX
G3/4"	G11/4"	43	138	158	39	55	36	50	18	1,0	SF04-34W-18-XX	SF06-34W-18-XX
G1"	G11/2"	50	178	192	45	63	46	58	23	1,8	SF04-10W-23-XX	SF06-10W-23-XX
G11/4"	G2"	61	241	264	55	75	55	70	30	4,0	SF04-114W-30-XX	SF06-114W-30-XX

XX - set pressure

### discharge capacity at 10% overpressure for Typ SF04 air [Nm<sup>3</sup>/h]

size	set pressure [bar]															
	0,5	1	2	4	6	8	10	12	14	16	18	20	22	24	25	
G1/2"	56	87	141	238	335	431	528	625	722	819	916	1013	1109	1206	1255	
G3/4"	127	189	316	561	790	1018	1247	1475	1704	1932	2161	2390	2618	2847	2961	
G1"	199	291	489	855	1203	1552	1900	2248	2596	2945	3293	3641	3990	4338	4512	
G11/4"	353	515	832	1484	2088	2693	3297	3902	4506	5111	5715	6320	6924	7529	7831	

### discharge capacity at 10% overpressure for Typ SF04 steam [kg/h]

size	set pressure [bar]															
	0,5	1	2	4	6	8	10	12	14	16	18	20	22	24	25	
G1/2"	42	69	111	184	257	329	401	472	544	616	686	757	829	900	936	
G3/4"	96	151	249	435	608	777	947	1115	1284	1453	1619	1787	1956	2125	2209	
G1"	150	232	385	663	926	1184	1443	1699	1957	2214	2467	2723	2981	3238	3366	
G11/4"	266	411	656	1151	1607	2056	2504	2948	3396	3842	4281	4726	5173	5619	5842	

### discharge capacity at 10% overpressure for Typ SF06 water [m<sup>3</sup>/h]

size	set pressure [bar]															
	0,5	1	2	4	6	8	10	12	14	16	18	20	22	24	25	
G1/2"	1,9	2,5	3,6	5,0	6,2	7,1	7,9	8,7	9,4	10,1	10,7	11,2	11,8	12,3	12,6	
G3/4"	5,4	7,3	10,4	14,7	18,0	20,8	23,2	25,4	27,5	29,4	31,1	32,8	34,4	35,9	36,7	
G1"	8,8	12,0	16,9	24,0	29,3	33,9	37,9	41,5	44,8	47,9	50,8	53,6	56,2	58,7	59,9	
G11/4"	15,4	20,8	29,4	41,6	50,9	58,8	65,8	72,0	77,8	83,2	88,2	93,0	97,5	101,9	104,0	

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all designs, configurations, measurements and materials are subject to change without prior notice