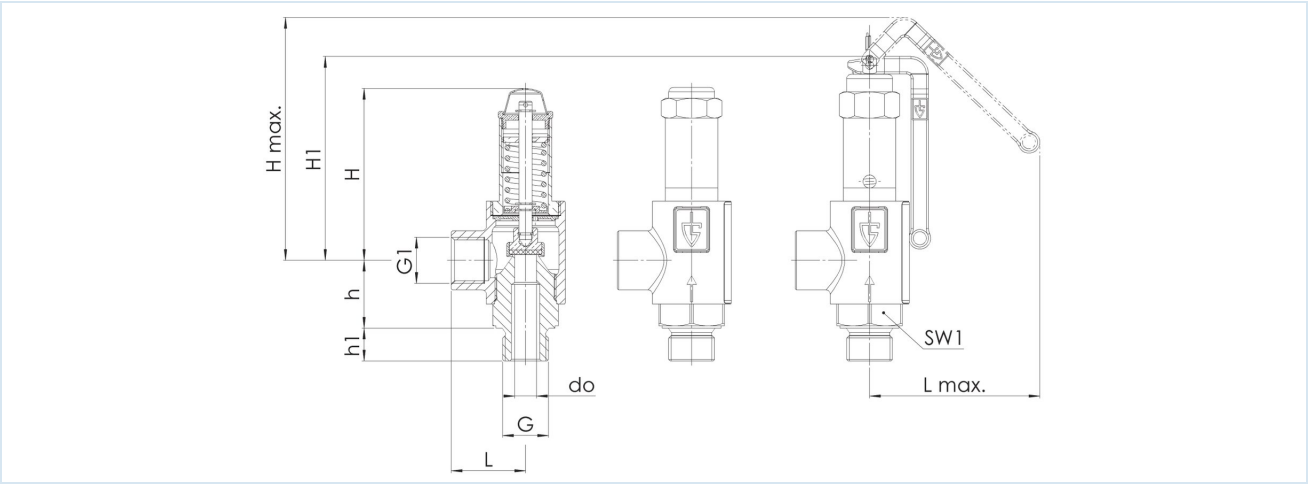
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Full-lift safety valve made of red brass component-tested
Series SF11



Design type	Spring-loaded full-lift safety valves with gas-tight cap These types are not back-pressure compensated, i.e. any back pressure occurring during venting affects the set pressure. The set pressure is secured against adjustment by the sealing cap.
Connection	Inlet Male thread G1/4"...G1/2", Outlet Male thread G1/2"
Materials	Inlet body Stainless steel AISI316L, Outlet body Red brass, Internal parts Brass, Spring Stainless steel 1.4310
Medium temperature	-60...+225°C
Adjustment range	see table
Mounting type	Installation in rigid piping system
Mounting position	upright only
Application range	see table
Ordering note	Specify the set pressure when ordering
Special versions	with venting lever or rotary venting, Valve in ATEX version

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G	G1	L	H	H1	h	H max.	h1	SW1	d_0	Weight [approx. kg]	Type	Type
G1/4"	G1/2"	34	79	93	31	111	12	30	6	0,5	SF11-14W1-6-XX	SF11-14W1-6-XX-C
G3/8"	G1/2"	34	79	93	31	111	12	30	8	0,5	SF11-38W-8-XX	SF11-38W-8-XX-C
G1/2"	G1/2"	34	79	93	31	111	12	30	10	0,6	SF11-12-10-XX	SF11-12-10-XX-C
XX - Set pressure												

Table:

Adjustment range	Seal	Application range	Type
0,5 - 22	PTFE	neutral/non-neutral vapours, gases and liquids	SF11
22,1 - 50	PTFE filled with carbon	neutral/non-neutral vapours, gases and liquids	SF11-...C

Relieving capacity at 10% overpressure for Typ SF11 Air [N m ^{3} /h]

Size	Set pressure [bar]														
	0,5	1	2	4	6	8	10	12	14	16	18	20	22	24	25
G1/4"	6	10	18	32	45	58	72	85	101	114	128	142	160	174	181
G3/8"	24	35	57	98	140	181	222	262	303	344	384	441	491	534	556
G1/2"	44	67	113	196	276	356	436	516	596	676	756	836	916	996	1036

Size	Set pressure [bar]												
	26	28	30	32	34	36	38	40	42	44	46	48	50
G1/4"	188	202	216	230	244	258	272	286	300	314	328	342	355
G3/8"	577	620	663	706	749	792	835	877	920	963	1006	1049	1092
G1/2"	1076	1156	1236	1316	1396	1475	1555	1635	1715	1795	1875	1955	2035

Relieving capacity at 10% overpressure for Typ SF11 Steam [kg/h]

Size	Set pressure [bar]														
	0,5	1	2	4	6	8	10	12	14	16	18	20	22	24	25
G1/4"	4	8	15	25	35	45	54	64	76	86	96	106	120	130	135
G3/8"	18	28	45	76	108	138	168	198	228	258	288	330	367	399	415
G1/2"	34	54	89	152	213	272	331	390	449	508	566	625	684	743	773

Relieving capacity at 10% overpressure for Typ SF11 Water [m^3/h]

Size	Set pressure [bar]														
	0,5	1	2	4	6	8	10	12	14	16	18	20	22	24	25
G1/4"	0,54	0,70	1,00	1,40	1,67	1,92	2,11	2,27	2,43	2,62	2,78	2,90	3,04	3,18	3,25
G3/8"	0,86	1,13	1,62	2,24	2,67	3,08	3,46	3,78	4,08	4,37	4,62	4,93	5,17	5,40	5,51
G1/2"	1,62	2,24	3,13	4,40	5,40	6,32	7,07	7,72	8,37	9,05	9,56	10,13	10,62	11,09	11,32

Size	Set pressure [bar]												
	26	28	30	32	34	36	38	40	42	44	46	48	50
G1/4"	3,31	3,43	3,56	3,67	3,79	3,89	4,00	4,11	4,21	4,31	4,40	4,50	4,59
G3/8"	5,62	5,83	6,04	6,24	6,43	6,62	6,80	6,97	7,15	7,31	7,48	7,64	7,80
G1/2"	11,55	11,98	12,40	12,81	13,21	13,59	13,96	14,32	14,68	15,02	15,36	15,69	16,01

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