

Overflow Valves

Type 06196



Overflow Valve, angle type, bronze, not type tested

with PTFE valve seal, closed bonnet,
In- and outlet: female thread type G (BSP) acc. to ISO 228/1

Part No. 06196.X.0000

Available options - on request only:

- stainless steel spring - material 1.4571
- external parts nickel plated



Applications:

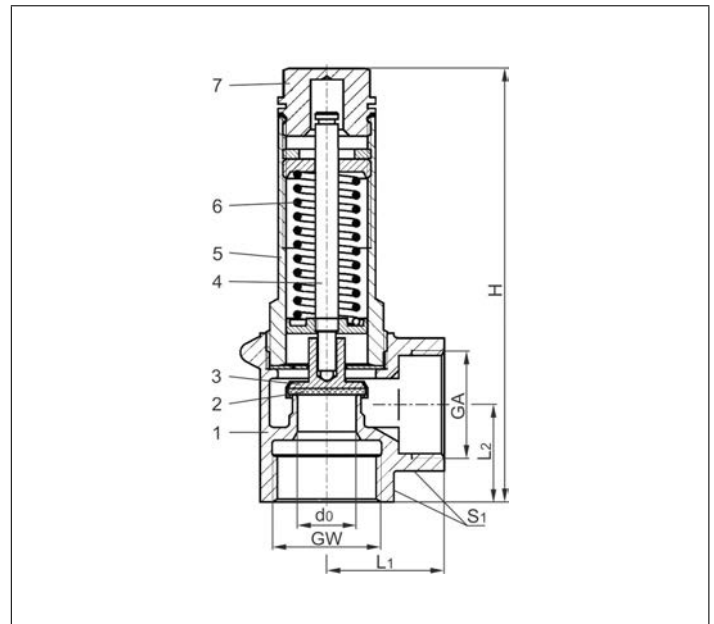
Provided as overflow valve for protection against excessive pressure in pipe systems and pressure vessels, which are not subject to approval.

Working temperature: -10°C / +14°F (263K) up to +185°C / +365°F (458K)

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Valve seal	PTFE	
3 Disc	CW614N	B 249 UNS C38500
4 Stem	CW614N	B 249 UNS C38500
5 Bonnet	CW614N	B 249 UNS C38500
6 Spring	1.1200	A 227
7 Cap	CW614N	B 249 UNS C38500

Essential: Valves are delivered at a set pressure, therefore when ordering please confirm set pressure, medium and temperature.

Not to use as equipment with safety function acc. to Pressure Equipment Directive 97/23/EC (PED) (CE marking only from size 1-1/4).



Type 06196	Technical data						
Nominal size	GW	1/2	3/4	1	1-1/4	1-1/2	2
Orifice	d ₀	12	15	18	20	24	28
Dimension code	.X.	0400	0600	1000	1200	1400	2000
Set pressure range	bar	0.2-25	0.2-20	0.2-20	0.4-16	0.2-23.5	0.2-16
Outlet	GA	1/2	3/4	1	1-1/4	1-1/2	2
Height	H	90	110	130	150	170	195
Length	L ₁	25	30	36	40	48	56
Length	L ₂	20	25	30	35	40	48
Wrench size across flats	S ₁	27	32	41	50	58	70
Weight	ca. kg	0.21	0.36	0.65	0.95	1.5	2.25

Dimensions in mm.

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Discharge capacities

Calculation of mass flow acc. to AD2000-Merkblatt A2

Medium:

Air in m³/h at 0°C and 1013.25 mbar

Water in kg/h at 20 °C

The capacity indicated below is for a fully opened valve.

d₀ - orifice

A₀ - flow area

Set pressure in bar (g)	GW	1/2	3/4	1	1-1/4	1-1/2	2	1/2	3/4	1	1-1/4	1-1/2	2	
	d ₀ (mm)	12.0	15.0	18.0	20.0	24.0	28.0	12.0	15.0	18.0	20.0	24.0	28.0	
	A ₀ (mm ²)	113.1	176.7	254.5	314.2	452.4	615.8	113.1	176.7	254.5	314.2	452.4	615.8	
Medium	Air							Water						
0.2		28	40	69	-	122	159	725	1330	2199	-	5298	6525	
0.4		43	58	108	142	188	250	936	1717	2840	4411	6840	8423	
0.5		48	63	117	158	207	277	1025	1881	3111	4832	7493	9227	
1.0		68	89	172	230	306	407	1389	2547	4212	6542	10146	12494	
2.0		113	139	284	391	505	660	1964	3603	5957	9252	14348	17670	
3.0		156	192	389	527	691	906	2405	4412	7296	11332	17573	21641	
4.0		196	241	488	661	867	1137	2778	5095	8424	13085	20292	24989	
5.0		236	291	589	797	1043	1371	3105	5697	9419	14629	22687	27938	
6.0		276	340	689	932	1220	1603	3402	6240	10318	16025	24852	30605	
7.0		316	389	788	1067	1396	1835	3675	6740	11145	17310	26843	33057	
8.0		357	440	891	1205	1572	2073	3928	7206	11914	18505	28697	35340	
9.0		398	489	990	1340	1748	2305	4167	7643	12637	19627	30438	37483	
10.0		439	540	1093	1479	1925	2543	4392	8056	13320	20689	32084	39511	
12.0		519	638	1293	1750	2277	3008	4811	8825	14592	22689	35146	43282	
14.0		599	737	1493	2020	2629	3474	5197	9533	15761	24480	37962	46750	
16.0		680	836	1693	2291	2982	3940	5556	10191	16849	26170	40584	49978	
18.0		760	935	1893	-	3334	-	5893	10809	17871	-	43045	-	
20.0		849	1044	2113	-	3687	-	6211	11394	18838	-	45374	-	
22.0		930	-	-	-	4039	-	6515	-	-	-	47589	-	
23.5		991	-	-	-	4304	-	6733	-	-	-	49184	-	
25.0		1052	-	-	-	-	-	6945	-	-	-	-	-	