

# Overflow Valves

## Type 06195



**Overflow Valve, angle type, bronze, not type tested**

with soft valve seal, closed bonnet,  
In- and Outlet: female thread type G (BSPP) acc. to ISO 228/1

**Part No. 06195.X.0000**

with NBR valve seal  
Working temperature: -10°C / +14°F (263K) up to +110°C / +230°F (383K)

**Part No. 06195.X.0700**

with FPM valve seal  
Working temperature: -10°C / +14°F (263K) up to +165°C / +329°F (438K)

Available options - on request only:

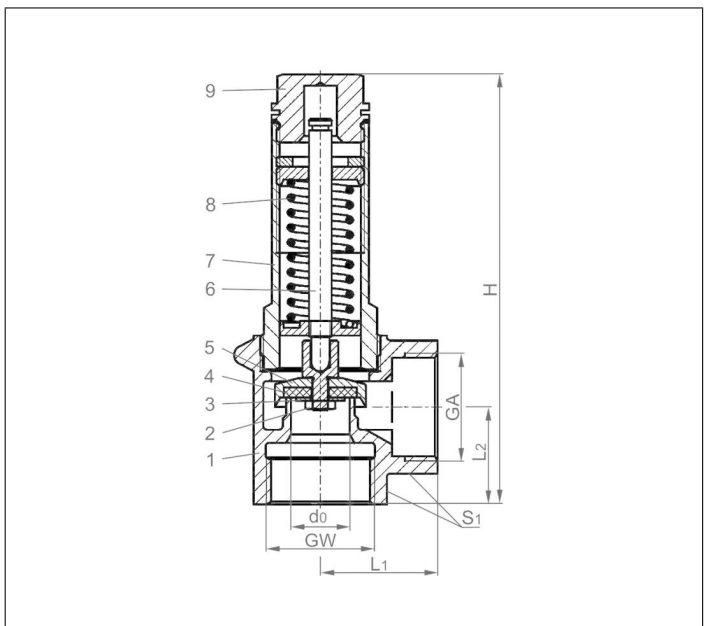
- stainless steel spring - material 1.4571
- external parts nickel plated



**Applications:**

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

Materials	DIN EN	ASTM
1 Body	CC491K	B 62 UNS C83600
2 Disc nut	CW614N	B 249 UNS C38500
3 Plate	CW507L	B 36 UNS C26800
4 Valve seal	NBR or FPM	
5 Disc	CW614N	B 249 UNS C38500
6 Stem	CW614N	B 249 UNS C38500
7 Bonnet	CW614N	B 249 UNS C38500
8 Spring	1.1200	A 227
9 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 2014/68/EU (PED) (CE marking only from size 1-1/4).

Type 06195	Technical data						
Nominal size	GW	1/2	3/4	1	1-1/4	1-1/2	2
Orifice	d <sub>0</sub>	12	15	18	20	24	28
Dimension code	.X.	0400	0600	1000	1200	1400	2000
Set pressure range	bar	0.5-25	0.2-20	0.5-16	0.5-16	0.2-16	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 <sub>1</sub>	25	30	36	40	48	56
Length	L <sub>2</sub>	20	25	30	35	40	48
Wrench size across flats	S <sub>1</sub>	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 flow rate acc. to AD2000-Merkblatt A2

Medium:

**Air** in m<sup>3</sup>/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.**

d<sub>0</sub> - orifice

A<sub>0</sub> - 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 <sub>0</sub> (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 <sub>0</sub> (mm <sup>2</sup> )	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					
<b>0.2</b>		-	40	-	-	123	159	-	1330	-	-	5298	6525
<b>0.5</b>		47	63	117	158	208	277	1025	1881	3111	4832	7493	9227
<b>1.0</b>		68	89	172	230	306	407	1389	2547	4212	6542	10146	12494
<b>2.0</b>		113	139	284	386	505	660	1964	3603	5957	9252	14348	17670
<b>3.0</b>		156	192	389	527	692	906	2405	4412	7296	11332	17573	21641
<b>4.0</b>		196	241	488	661	869	1137	2778	5095	8424	13085	20292	24989
<b>5.0</b>		236	291	589	797	1048	1371	3105	5697	9419	14629	22687	27938
<b>6.0</b>		276	340	689	932	1225	1603	3402	6240	10318	16025	24852	30605
<b>7.0</b>		316	389	788	1067	1402	1835	3675	6740	11145	17310	26843	33057
<b>8.0</b>		357	440	891	1205	1584	2073	3928	7206	11914	18505	28697	35340
<b>9.0</b>		398	489	990	1340	1761	2305	4167	7643	12637	19627	30438	37483
<b>10.0</b>		439	540	1093	1479	1943	2543	4392	8056	13320	20689	32084	39511
<b>12.0</b>		519	638	1293	1750	2298	3008	4811	8825	14592	22664	35146	43282
<b>14.0</b>		599	737	1493	2020	2654	3474	5197	9533	15761	24480	37962	46750
<b>16.0</b>		680	836	1693	2291	3010	3940	5556	10191	16849	26170	40584	49978
<b>18.0</b>		760	935	-	-	-	-	5893	10809	17871	-	-	-
<b>20.0</b>		849	1044	-	-	-	-	6211	11394	18838	-	-	-
<b>22.0</b>		930	-	-	-	-	-	6515	-	19757	-	-	-
<b>25.0</b>		1052	-	-	-	-	-	6945	-	21062	-	-	-