

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)

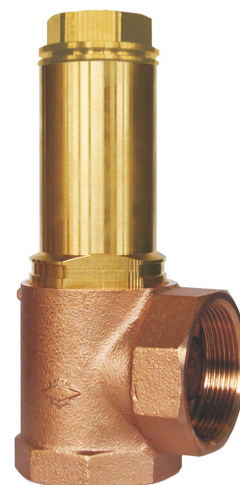
Part No. 06195.X.0700

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

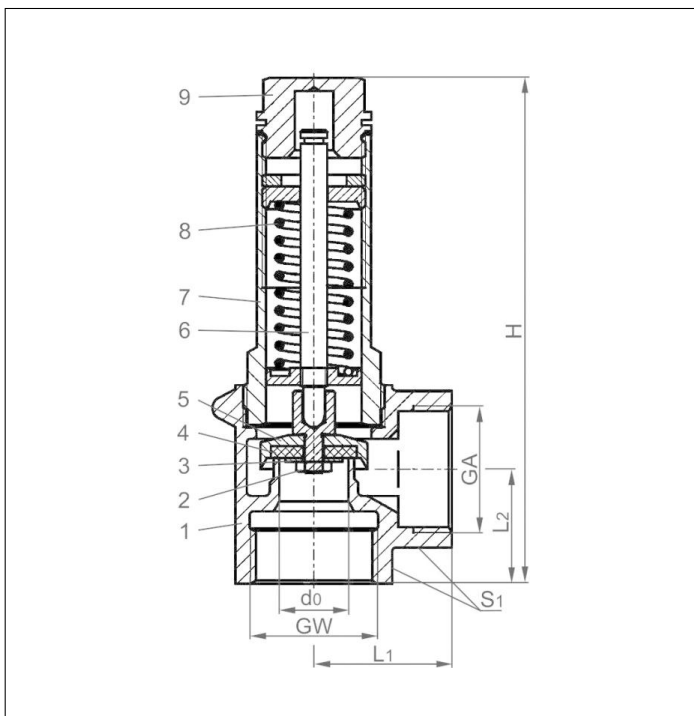


Applications:

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

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