

# SAFETY VALVE BRONZE PROPORTIONAL THREADED HEROSE 06380

Материал bronze CC491K B 62 UNS C83600

Налягане PN 25

Размер DN 12 - 2

## TECHNICAL DESCRIPTION

Provided as safety device for protection against excessive pressure in gas cylinders and pressure vessels. Automatic pressure releasing valve which opens proportionally to the pressure increase. Constant balance between opening pressure and spring force gives small flow and minimal fluid loss on discharge.

## SPECIFICATIONS

Bonnet connection: Screwed  
Execution: Angle  
Connection type: Threaded male  
Operation: Automatic

MEDIA  
- Fluids

## CONSTRUCTION

Standard safety valve with soft valve seal for fluids, open bonnet, with lifting device In- and outlet: female thread type G (BSPP) acc. to ISO 228/1

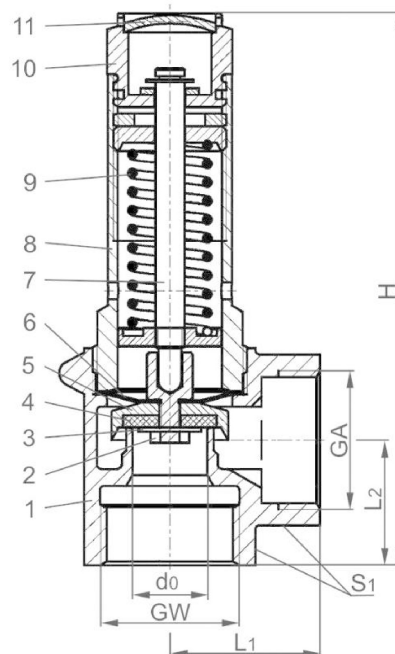
1. with FPM valve seal for air and similar gases  
Working temperature: -10°C / +14°F (263K) up to +185°C / +365°F (458K)"

2. with PTFE valve seal for air and similar gases and saturated steam from 2.0 up to 10.0 bar.  
Working temperature: -10°C / +14°F (263K) up to +185°C / +365°F (458K)"

3. with EPDM valve seal for air and similar gases and steam from 0.2 up to 8 bar. (saturated steam only to 3 bar)  
Working temperature: -10°C / +14°F (263K) up to +135°C / +275°F (408K)"

## OPTIONS

Available options - on request only:  
· stainless steel spring - material 1.4571  
· external parts nickel plated



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No.	Part	Material
1	Body	DIN - CC491K / ASTM - B 62 UNS C83600
2	Valve seal	FPM. PTFE or EPDM
3	Disc	CW614N B 249 UNS C38500
4	Stem	CW614N / ASTM - B 249 UNS C38500
5	Bonnet	CW614N / ASTM - B 249 UNS C38500
6	Spring	1.1200 / ASTM - A 227
7	Lifting device	CW614N / ASTM - B 249 UNS C38500
8	Closing Cap	CW507L / ASTM - B 36 UNS C26800

Specifications	
Bonnet connection	Screwed
Execution	Angle
Connection type	Threaded male
Operation	Automatic

Dn	Orifice	Dim.code	Range	Outlet	Height	Height	Lenght	Spanner	Weight
Gw	Do	.x.	Bar	Ga	H	L <sub>1</sub>	L <sub>2</sub>	S <sub>1</sub>	Kg
1/2"	12	0400	0.5-25	1/2"	90	25	20	27	0.21
3/4"	15	0600	0.2-20	3/4"	110	30	25	32	0.36
1"	18	1000	0.5-16	1"	130	36	30	41	0.65
1 1/4"	20	1200	0.5-16	1 1/4"	150	40	35	50	0.95
1 1/2"	24	1400	0.2-16	1 1/2"	170	48	40	58	1.5
2"	28	2000	0.2-16	2"	195	56	48	70	2.25

Discharge capacity							
P set	Gw:	1/2	3/4	1	1-1/4	1-1/2	2
Bar (g)	Do (mm):	12.0	15.0	18.0	20.0	24.0	28.0
	Ao (mm <sup>2</sup> ):	113.1	176.7	254.5	314.2	452.4	615.8
	Media:	Water in kg/h at 20 °c					
1.0		1207	2359	4212	6542	10146	12494

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	Media:	Water in kg/h at 20 °c					
2.0		1708	3336	5957	9252	14348	17670
3.0		2092	4086	7296	11332	17573	21641
4.0		2415	4718	8424	13085	20292	24989
5.0		2700	5275	9419	14629	22687	27938
6.0		2958	5778	10318	16025	24852	30605
7.0		3195	6241	11145	17310	26843	33057
8.0		3416	6672	11914	18505	28697	35340
9.0		3623	7077	12637	19627	30438	37483
10.0		3819	7460	13320	20689	32084	39511
12.0		4184	8172	14592	22664	35146	43282
14.0		4519	8826	15761	24480	37962	46750
16.0		4831	9436	16849	26170	40584	49978
Discharge capacity is measured at fully open valve.							