

BRONZE PROPORTIONAL SAFETY VALVE THREADED HEROSE 06380

Material
Pressure

bronze CC491K
PN 25

TECHNICAL DESCRIPTION

It is used as a safety device in case of excessive pressure increase in gas cylinders and pressure vessels. Automatic safety valve, opening proportionally to the pressure increase. The constant force between the pressure force and the reaction of the closing spring ensures minimum flow, respectively minimum loss of fluid when the valve is activated.

TECHNICAL DESCRIPTION

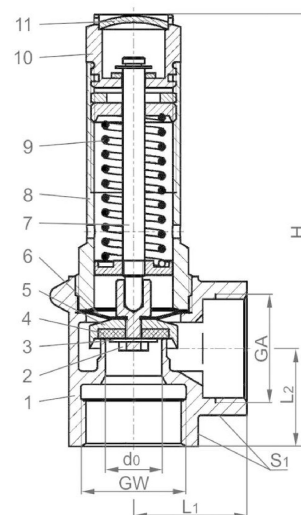
Standard safety valve, soft-seated for various fluids, open bonnet, with lifting device for positive opening of inlet and outlet: Thread type G (BSPP) according to ISO 228/1

OPTIONS

Possible options – only upon request:

- stainless spring – 1.4571
- Nickel plating of external parts

Dimensions: DN 12 - 2



No.	DETAILS	MATERIALS	SPECIFICATION	
1	Body	DIN - CC491K / ASTM - B 62 UNS C83600	Lid connection	threaded
2	Saddle	FPM, Teflon/PTFE and EPDM	Execution	angular
3	Valve	CW614N B249 UNS C38500	Joining	thread
4	Spindle	CW614N / ASTM - B 249 UNS C38500	Management	automatically
5	Lid	CW614N / ASTM - B 249 UNS C38500	Operating temperature with FPM seat seal	-10°C / +14°F (263K) to +185°C / +365°F (458K)
6	Spring	1.1200 / ASTM - A 227	Operating temperature with PTFE seat seal	-10°C / +14°F (263K) to +185°C / +365°F (458K)
7	Lifting device.	CW614N / ASTM - B 249 UNS C38500	Operating temperature with EPDM seat	-10°C / +14°F (263K) to +135°C / +275°F (408K)
8	Cap	CW507L / ASTM - B 36 UNS C26800		

BRONZE PROPORTIONAL SAFETY VALVE THREADED HEROSE
06380

Material
Pressure

bronze CC491K
PN 25

PASSABILITY													
P adjustable	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
bar (g)	d _o (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 _o (mm ²):	113.1	176.7	254.5	314.2	452.4	615.8	113.1	176.7	254.5	314.2	452.2	615.8
	Fluid:	air in m ³ /h at 0 °C and 1013.25 mbar						saturated steam in kg/h					
0.2		28	38	69	96	123	159	24	33	59	82	105	136
0.4		40	54	101	137	179	236	34	45	84	115	150	198
0.5		46	61	114	154	204	271	38	50	94	128	168	224
1.0		68	89	172	230	306	407	54	71	137	184	244	326
2.0		113	140	284	391	505	660	89	110	224	309	398	521
3.0		156	192	389	527	692	906	122	150	304	411	541	708
4.0		196	241	488	661	869	1137	152	187	379	513	674	883
5.0		236	291	589	797	1048	1371	182	224	454	615	808	1057
6.0		276	340	689	932	1225	1603	212	261	528	715	940	1230
7.0		316	389	788	1067	1402	1835	242	297	603	816	1072	1403
8.0		357	440	891	1205	1584	2073	271	334	677	916	1203	1575
9.0		398	489	990	1340	1761	2305	301	371	750	1016	1334	1747
10.0		439	540	1093	1479	1943	2543	331	407	824	1115	1465	1918
12.0		519	638	1293	1750	2298	3008	-	-	-	-	-	-
14.0		599	737	1493	2020	2654	3474	-	-	-	-	-	-
16.0		680	836	1693	2291	3010	3940	-	-	-	-	-	-
18.0		760	935	1893	2562	-	-	-	-	-	-	-	-
20.0		849	1044	2113	2860	-	-	-	-	-	-	-	-

The stated throughput is measured with the valve fully open.