

## SAFETY VALVE, ANGULAR SHAPE



## Description:

- angular shape
- thread acc. to ISO228
- seal cap prevents unauthorized changing of set pressure
- knurled nut to lift the valve cone
- TÜV certified

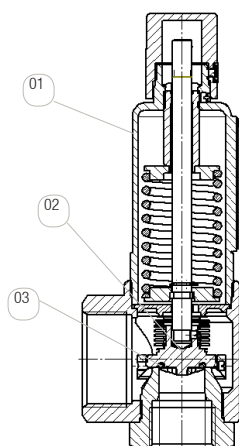
## Range of application:

- protection of pumps, cooling circuits and pressure vessels for water
- protection of pressure tanks for air, neutral gases and steam
- with EPDM sealing for steam boiler acc. to TRD421, group 1 applicable up to 3bar
- medium temperature: max. 130°C (FKM), 150°C (EPDM) or 200°C (FKM)
- glycol resistance: max. 30%, with EPDM 100%

## Comments:

ATTENTION: Boiling temperature of the medium under atmospheric pressure is prohibited!

Threads according to EN 228: It describes the threaded connection of a parallel male thread with a parallel female thread and is marked with "G".

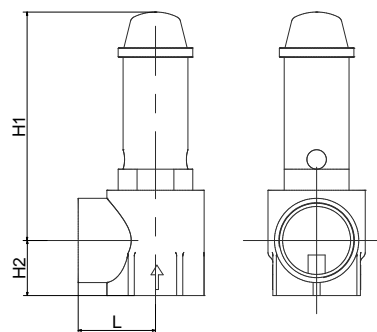


pos.	part	materials	options
1	body	CC491K	B
2	interior	CW614N	A
3	sealing	NBR	B EPDM E FKM V

For details about the order code see "Order information". An overview of the complete material code you can find at the beginning of each product section of the product catalogue.

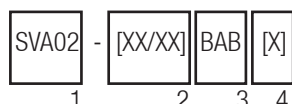
## options:

- FB: bellows



Before installation please consider the installation and maintenance manual, especially the safety indications!

match code	connection size [inch]		nominal size [mm]	reaction pressure [bar]	L [mm]	H1 [mm]	H2 [mm]	weight [kg]
	inlet	outlet						
SVA02-04/04BAB100	1/2	1/2	10	1-16	26	70	17	0.2
SVA02-05/05BAB130	3/4	3/4	13	1-16	31	70	18	0.3
SVA02-06/06BAB160	1	1	16	1-16	35	80	22	0.5
SVA02-07/07BAB180	1 1/4	1 1/4	18	1-16	40	100	25	0.7
SVA02-08/08BAB220	1 1/2	1 1/2	22	1-16	46	140	28	1.2
SVA02-09/09BAB250	2	2	25	1-16	54	155	34	1.6



## Order information:

## 1: type: SVA02

## 2: connection size (see table):

- inlet/outlet: 04-09

## 3: materials:

- 1. digit: body material  
B = red brass

- 2. digit: interiors  
A = brass
- 3. digit: sealing  
B=NBR (standard)  
V=FKM  
E=EPDM

## 4. nominal size in 1/10mm (see table)

Please ask for field specifications that are not listed in this data sheet.

## SUPPLEMENT: RELIEF CAPACITY

table:

Relief capacity at 10% pressure surge in m<sup>3</sup>/h (water) for each set pressure at the inlet of each connection size.

set pressure [bar]	relief capacity [m <sup>3</sup> /h] acc. to connection size [inch]					
	1/2	3/4	1	1 1/4	1 1/2	2
1	1.51	2.55	3.87	4.89	7.31	9.44
1.5	1.85	3.13	4.73	5.99	8.95	11.56
2	2.14	3.61	5.47	6.92	10.33	13.35
2.5	2.39	4.03	6.11	7.73	11.55	14.92
3	2.62	4.42	6.69	8.47	12.66	16.34
3.5	2.82	4.77	7.23	9.15	13.67	17.65
4	3.02	5.1	7.73	9.78	14.62	18.87
4.5	3.2	5.41	8.2	10.38	15.5	20.02
5	3.38	5.71	8.64	10.94	16.34	21.1
5.5	3.54	5.98	9.06	11.47	17.14	22.13
6	3.7	6.25	9.47	11.98	17.9	23.11
6.5	3.85	6.51	9.85	12.47	18.63	24.06
7	3.99	6.75	10.23	12.94	19.33	24.97
7.5	4.13	6.99	10.59	13.4	20.01	25.84
8	4.27	7.22	10.93	13.84	20.67	26.69
8.5	4.4	7.44	11.27	14.26	21.3	27.51
9	4.53	7.65	11.6	14.68	21.92	28.31
9.5	4.65	7.86	11.91	15.08	22.52	29.08
10	4.77	8.07	12.22	15.47	23.11	29.84
11	2.78	6.82	12.82	14.42	23.56	31.3
12	2.91	7.12	13.39	15.06	24.61	32.69
13	3.02	7.41	13.94	15.68	25.62	34.02
14	3.14	7.69	14.46	16.27	26.58	35.31
15	3.25	7.96	14.97	16.84	27.52	36.55
16	3.36	8.22	15.46	17.39	28.42	37.75

comment:

The **set pressure** is the gauge pressure at which a direct-loaded safety valve begins to open under test conditions (atmospheric pressure).

The **reaction pressure** is the gauge pressure at which a direct-loaded safety valve begins to open under operating conditions.