

# Safety Valves

## Type 06372

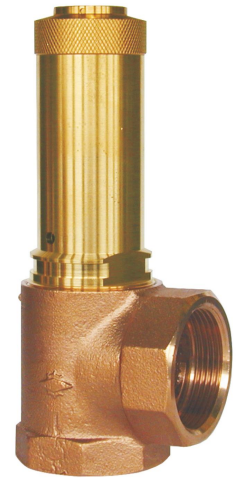


**Safety Valves, angle type, bronze, type tested TÜV-SV.749. S/G**

Standard safety valve  
with soft valve seal for saturated steam, air and similar gases, open bonnet,  
with diaphragm for protection of the spring, with lifting device  
In- and outlet: female thread type G (BSPP) acc. to ISO 228/1

**Part No. 06372.X.0000**

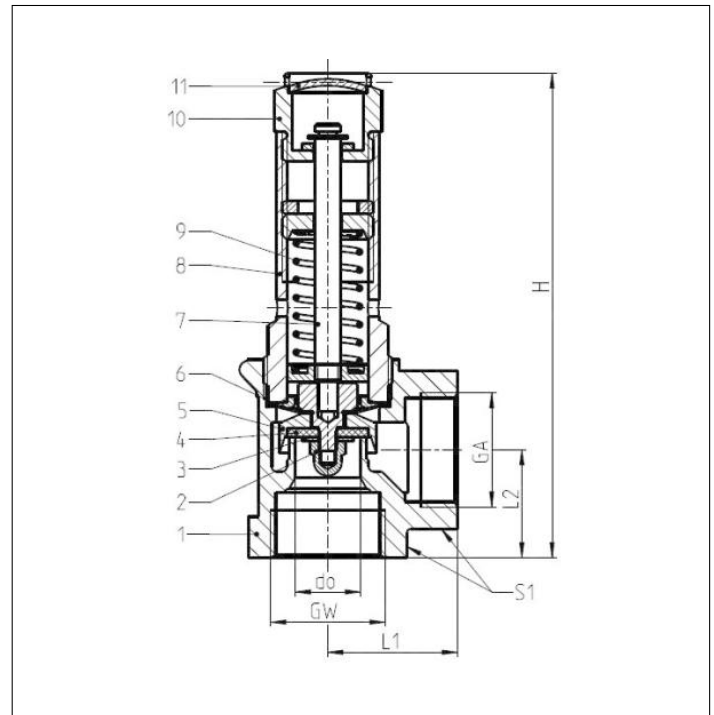
with FPM valve seal (PTFE coated)



### Applications:

Provided as safety device for protection against excessive pressure in pressure vessels and steam boilers.  
Working temperature: -10°C / +14°F (263K) up to +120°C / +230°F (393K), suitable for horizontal installation

Materials	DIN EN	ASME/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	FPM (PTFE coated)	
5 Disc	CW614N	B 249 UNS C38500
6 Diaphragm	NBR	
7 Stem	CW614N	B 249 UNS C38500
8 Bonnet	CW614N	B 249 UNS C38500
9 Spring	1.4571	A 313 Grade 316Ti
10 Lifting device	CW614N	B 249 UNS C38500
11 Closing cap	CW507L	B 36 UNS C26800



Type 06372	Technical data		
Nominal size	<b>GW</b>	<b>3/4</b>	<b>1</b>
Orifice	$d_0$	15	18
Dimension code	.X.	0600	1000
Set pressure range	bar	0.5-1.0	0.4-1.0
Outlet	GA	3/4	1
Height	H	111	132
Length	$L_1$	30	36
Length	$L_2$	25	30
Wrench size across flats	$S_1$	32	41
Weight	ca. kg	0.40	0.70
Coeff. of discharge	$\alpha_w$	0.25	0.40

Dimensions in mm.

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### Discharge capacities

Calculation of flow rate acc. to AD2000-Merkblatt A2

Medium:

**A = Saturated Steam** in kg/h

**B = Air** in m<sup>3</sup>/h at 0°C and 1013.25 mbar

**The capacity indicated below is for a fully opened valve.**

$d_0$  - orifice

$A_0$  - flow area

Set pressure in bar (g)	GW	3/4		1	
	$d_0$ (mm)	15.0		18.0	
	$A_0$ (mm <sup>2</sup> )	176.7		254.5	
	Medium	A	B	A	B
0.4	-	-	72	84	
0.5	39	46	80	96	
0.6	42	52	87	106	
0.7	46	57	94	116	
0.8	50	62	101	126	
0.9	52	65	107	136	
1.0	54	69	116	147	