

Safety Valves

Type 06376



Safety Valves, angle type, bronze, type tested TÜV-SV.749. L

Standard safety valve

with soft valve seal for fluids, open bonnet,

with diaphragm for protection of the spring, with lifting device

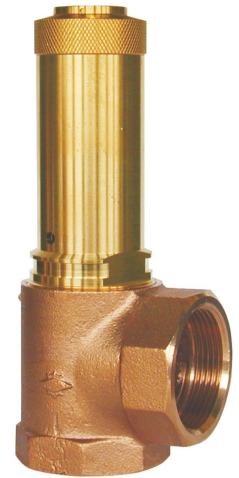
In- and Outlet: female thread type G (BSPP) acc. to ISO 228/1

Part No. 06376.0400.0000

with NBR valve seal (pressure range 1.0 - 16.0 bar)

Part No. 06376.0400.0700

with FPM valve seal (pressure range 1.0 - 16.0 bar)



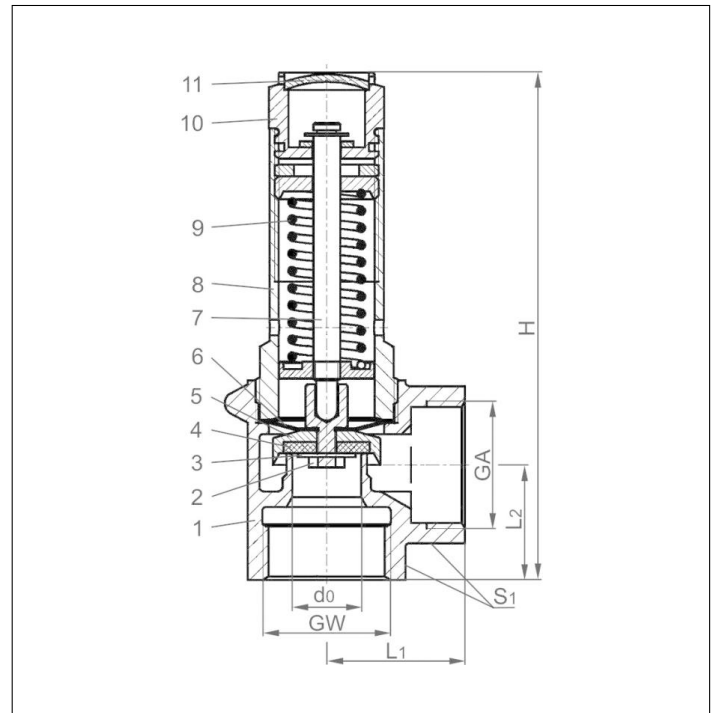
Applications:

Provided as safety device for protection against excessive pressure in gas cylinders and pressure vessels.

Approved for non-toxic, non-inflammable fluids - medium contact parts are seawater resistant.

Working temperature: -10°C / +14°F (263K) up to +110°C / +230°F (383K), suitable for horizontal installation

Materials	DIN EN	ASME/ASTM
1 Body	CC480K	C90700
2 Disc nut	1.4571/A4	similar A 194
3 Plate	Copper	
4 Valve seal	NBR	
5 Disc	CW452K	B 159 UNS C51900
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 06376	Technical data	
Nominal size	GW	1/2
Orifice	d_0	12
Set pressure range	bar	1.0-16
Outlet	GA	1/2
Height	H	92
Length	L_1	25
Length	L_2	20
Wrench size across flats	S_1	27
Weight	ca. kg	0.24
Coefficient of discharge	α_w	0.20

Dimensions in mm.

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Discharge capacities

Calculation of flow rate acc. to AD2000-Merkblatt A2

Medium:

Water in kg/h at 20°C

The capacity indicated below is for a fully opened valve.

d_0 - orifice

A_0 - flow area

Set pressure in bar (g)	GW	1/2
	d_0 (mm)	12.0
	A_0 (mm ²)	113.1
	Medium	Water
1.0		1208
2.0		1708
3.0		2092
4.0		2416
5.0		2701
6.0		2959
7.0		3196
8.0		3416
9.0		3624
10.0		3820
12.0		4184
14.0		4519
16.0		4831