

Safety Valves

Type 06446



Cryogenic Safety Valves, angle type, stainless steel, PN40
 $d_0=7,0$ & $10,5$ mm up to PN50,
 type tested TÜV-SV.1111. S/G

Standard safety valve,
 with PCTFE valve seal (D_{07} = Metal to metal seated), closed bonnet, with lifting device
 "cleaned and degreased for oxygen service"

Part No. 06446.X.0000

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



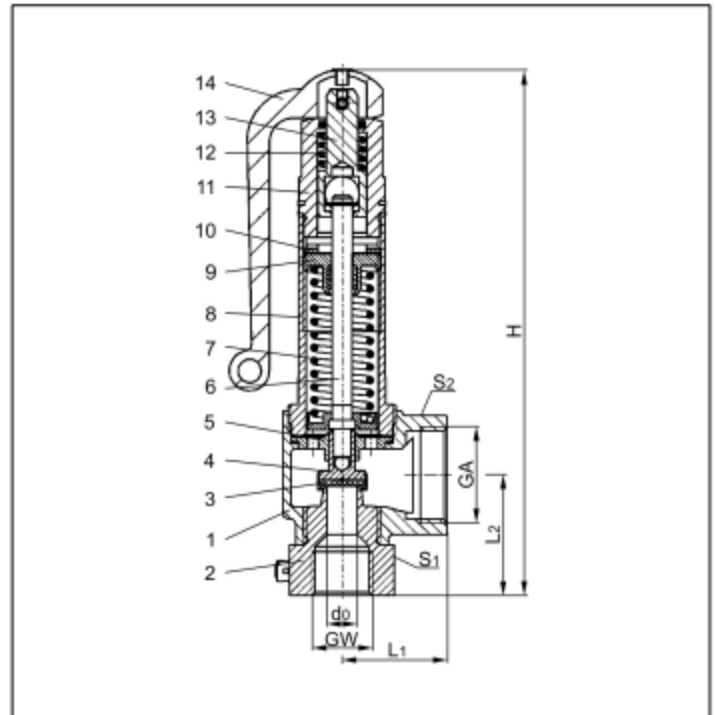
Applications:

Provided as safety device for protection against excessive pressure in stationary and moveable gas cylinders and pressure vessels. Approved for air gases, vapours and cryogenic liquefied gases incl. LNG.
 Working temperature: -196°C / -321°F (77K) up to $+185^{\circ}\text{C}$ / $+365^{\circ}\text{F}$ (458K), with PCTFE-seal up to $+150^{\circ}\text{C}$ / 302°F (423K), suitable for horizontal installation

Materials	DIN EN	ASME/ASTM
1 Outlet body	1.4308	SA351 CF8
2 Inlet body	1.4301	A 479 Grade 304
3 Valve seal	PCTFE	
4 Disc (D_{07} only)	1.4571	A 479 Grade 316Ti
4 Disc	1.4541	A 276 Grade 321
5 Guide plate	1.4301	A 479 Grade 304
6 Stem	1.4301	A 479 Grade 304
7 Spring	1.4571	A 313 Grade 316Ti
8 Bonnet	1.4301	A 276 Grade 304
9 Spring clamp	1.4301	A 479 Grade 304
10 Thread ring	1.4301	A 479 Grade 304
11 Lifting cap	1.4301	A 479 Grade 304
12 Lifting spring	1.4571	A 313 Grade 316Ti
13 Lifting stem	1.4301	A 479 Grade 304
14 Lever	1.4408	SA351 CF8M

Essential: Valves are delivered at a set pressure, therefore when ordering please confirm set pressure, medium and temperature.

Standard marking acc. to Pressure Equipment Directive 97/23/EC (PED).



Type 06426	Technical Data					
Nominal size	GW	1/2	1/2	3/4	1	1-1/4
Orifice	d_0	7.0	10.5	14.0	18.0	23.0
Dimension code	.X.	0704	1004	1406	1810	2312
Set pressure range	bar	0.4-50.0	0.4-50.0	0.4-40.0	0.4-40.0	0.4-10.0
Outlet	GA	1	1	1-1/4	1-1/2	1-1/2
Height	H	181	181	201	247	252
Length	L_1	36	36	50	48	48
Length	L_2	41.5	41.5	49	59.5	65
Wrench size across flats	S_1	36	36	41	50	50
Wrench size across flats	S_2	41	41	50	58	58
Weight	ca. kg	1.02	1.01	1.50	2.45	2.40
Coeff. of discharge from 3.0 bar	α_w	0.78	0.69	0.66	0.66	0.54

Dimensions in mm.