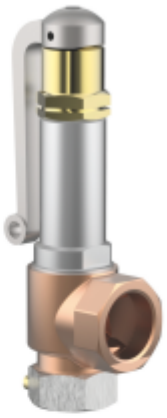
Safety Valves
Type 06417

Cryogenic Safety Valves, angle type, bronze, PN40, type tested TÜV-SV.780. S/G
Standard safety valve (0.2 - 25.0 bar)
Metal to metal seated, closed bonnet, with lifting device
"cleaned and degreased for oxygen service"
Part No. 06417.X.0000
Inlet: female thread type G (BSPP) acc. to ISO 228/1
Outlet: female thread type G (BSPP) acc. to ISO 228/1

Available options - on request only:
· external parts nickel plated · with installed elbow at the outlet



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°C / +365°F (458K)

Materials		DIN EN	ASME/ASTM
1	Outlet body	CC491K	B 62 UNS C83600
2	Inlet body	1.4301	A 276 Grade 304
4	Disc	1.4541	A 276 Grade 321
5	Guide plate	CW453K	B 103 UNS C52100
6	Stem	CW453K	B 103 UNS C52100
7	Spring	1.4571	A 313 Grade 316Ti
8	Bonnet	1.4308	A 351 CF 8
9	Spring clamp	CW614N	B 283 UNS C38500
10	Thread ring	CW614N	B 283 UNS C38500
11	Lifting cap	CW614N	B 283 UNS C38500
12	Lifting spring	1.4571	A 276 Grade 316Ti
13	Lifting stem	CW614N	B 283 UNS C38500
14	Lever	1.4408	A 351 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).

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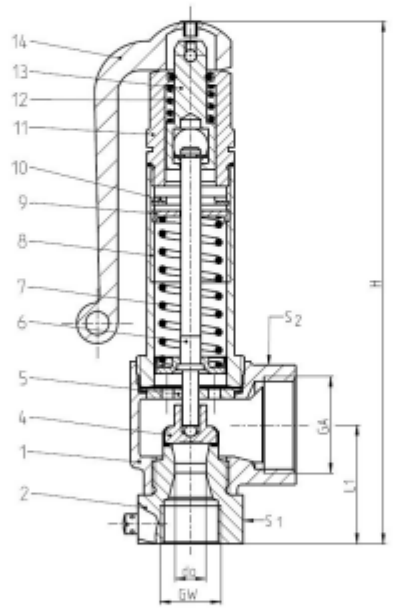

Type 06417	Technical data	
Nominal size	**GW**	**1/2**
Orifice	d_0	10.5
Dimension code	.X.	1004
Set pressure range	bar	0.2-25.0
Outlet	GA	1
Height	H	180
Length	L_1	41
Wrench size across flats	S_1	30
Wrench size across flats	S_2	41
Weight	ca. kg	0.99
Coeff. of discharge from 3.0 bar	α_w	0.67

Dimensions in mm.