

# Safety Valves

## Type 06316



**CRYONICA**  
криогенные технологии



**Safety Valves, angle type, stainless steel, type tested, TÜV-SV.980. D/G/F**

Standard safety valve

metal to metal seated, closed bonnet

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

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

**Part No. 06316.X.N000 (0.1 - 68.0 bar)**

**Part No. 06316.X.L000 (68.0 - 330.0 bar)**

with lifting device - head A

**Part No. 06316.X.N020 (0.1 - 68.0 bar)**

**Part No. 06316.X.L020 (68.0 - 330.0 bar)**

with gastight cap - head C

Available options - on request only:

· Threads NPT acc. to ANSI B 1.20.1

· Disc with soft sealing (NBR, CR, EPDM, FKM, FFKM, PCTFE, PTFE-FDA)



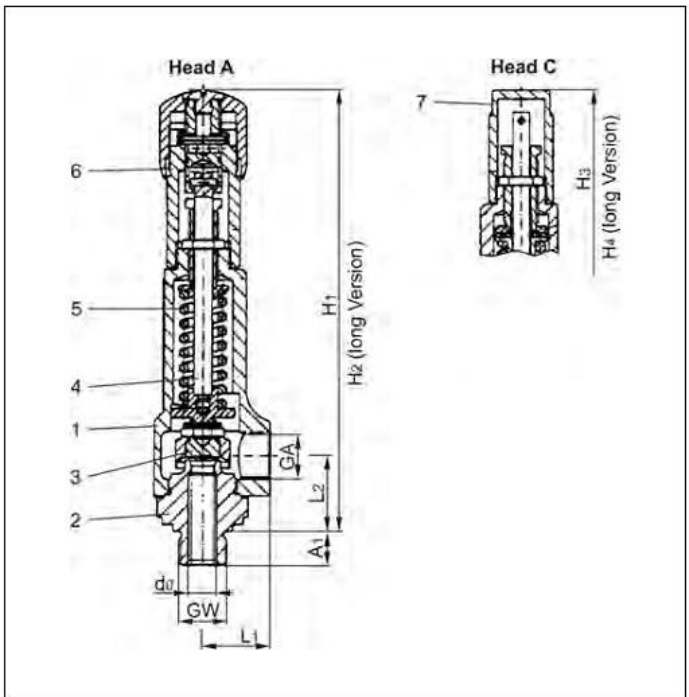
### Applications:

Provided as safety device for protection against excessive pressure in pressure vessels. Approved for gases, vapours and fluids.

Working temperature (pay attention to AD-Merkblatt W10: Temperature-Pressure-Overview): -270°C / -454°F (6K) up to +280°C / +536°F (553K)

Overview): -270°C / -454°F (6K) up to +280°C / +536°F (553K)

Materials	DIN EN	ASTM
1 Outlet body	1.4404	A 276 Grade 316L
2 Inlet body	1.4404	A 276 Grade 316L
3 Disc	1.4404	A 276 Grade 316L
4 Stem	1.4404	A 276 Grade 316L
5 Spring	1.4310	A 313 Grade 302
6 Lifting device	1.4404	A 276 Grade 316L
7 Cap	1.4404	A 276 Grade 316L



**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/EG (PED).



Marking acc. to ASME Code Section VIII will only be carried out by written notice on purchase order.



Technical data	Type 06316.X.N000/N020		Type 06316.X.L000/L020					
	GW	1/2	3/4	1/2	3/4	1/2	3/4	
Nominal size	GW	1/2	3/4	1/2	3/4	1/2	3/4	
Orifice	d <sub>0</sub>	10	10	6	6	10	10	
Dimension code	.X.	1004	1006	0604	0606	1004	1006	
Set pressure range	bar	0.1-68	0.1-68	180-330	180-330	68-180	68-180	
Outlet	GA	1/2	1/2	1/2	1/2	1/2	1/2	
Height	H <sub>1</sub>	195	195	-	-	-	-	
Height	H <sub>2</sub>	-	-	201	201	216	216	
Height	H <sub>3</sub>	180	180	-	-	-	-	
Height	H <sub>4</sub>	-	-	191	191	191	191	
Length	L <sub>1</sub>	30	30	30	30	30	30	
Length	L <sub>2</sub>	33	33	33	33	33	33	
Length	A <sub>1</sub>	15	16	15	16	15	16	
Weight	ca. kg	1.2	1.2	1.4	1.4	1.4	1.4	
Coeff. of discharge gases, vapours	α <sub>w</sub>	0.50	0.50	0.72	0.72	0.50	0.50	
Coeff. of discharge fluids	α <sub>w</sub>	0.35	0.35	-	-	0.35	0.35	

Dimensions in mm.

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