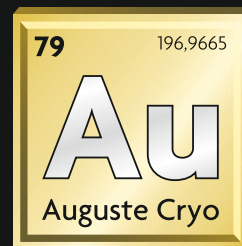


SCS Cryogenic Bulk Tanks



**Auguste
Cryogenics**

SCS Cryogenic Bulk Tanks



Continuity. Reliability. Quality. We are **Auguste Cryogenics**.

SCS cryogenic bulk tanks by **Auguste Cryogenics** are high performance bulk tanks that can be used for a broad spectrum of applications. The SCS tanks are available in vertical and, as HSCS tanks, in horizontal configuration. Available in sizes from 2,000 up to 350,000 litres, all vessels are built to our customer's requirements and specifications. Features of the SCS Cryogenic Bulk Tank line include:

- Superior vacuum technology for highest thermal performance.
- All stainless steel piping for strength and corrosion resistance.
- In-house design and construction of aluminum fin tube pressure-building vaporizers.
- Updated all stainless steel leg support position is ergonomically designed for compact footprint and easy access to front mounting points.

SCS tanks are stationary, vacuum-insulated pressure vessels for storage of cryogenic liquefied gases such as nitrogen (N₂), oxygen (O₂), argon (Ar), Liquefied Natural Gas (LNG), carbon dioxide (CO₂), nitrous oxide (N₂O) and Ethen (aka Ethylen, C₂H₄). Carefully selected components and outstanding build quality guarantee a high degree of reliability and longevity of the vessel. The low evaporation rate and the ergonomic

layout of instruments and controls ensure economy as well as ease of operation.

The SCS cryogenic bulk tanks are designed and built on the principle of superior vacuum integrity and complete thermal insulation. Our vessels have been in use all around the world for decades and offer superior quality and reliability. Our 12,000m² production facility is ISO:9001 certified and in compliance with the European Pressure Equipment Directive 2014/68/EU (PED) or to the majority of the pressure vessel codes used in the global marketplace.

SCS cryogenic bulk tanks consist of an inner and an outer vessel. The inner vessel, which is suspended concentrically in the outer vessel, is used for storage of cryogenic liquefied gases and is manufactured from stainless steel while the outer container is made from carbon steel. The vessels' inner space is filled with high quality insulating material, perlite or multilayer wrap, and then evacuated to the point where virtually zero atmosphere remains. The integrity of the welded joints is checked by leak-testing, using a helium mass spectrometer. This insures long-term vacuum integrity. In addition, sieve material absorbs any off-gassing or moisture that develops over time thus offering highly superior vacuum performance throughout the working life of the vessel.

In 2016, **Auguste Cryogenics** acquired the European Operations of Taylor-Wharton International. Our production plant in Košice, Slovakia and distribution center in Husum, Germany have shaped and advanced the European cryogenic industry continuously for more than 50 years. We have preserved the people, practices and patents for which the company has been built while investing in innovative products for the future.

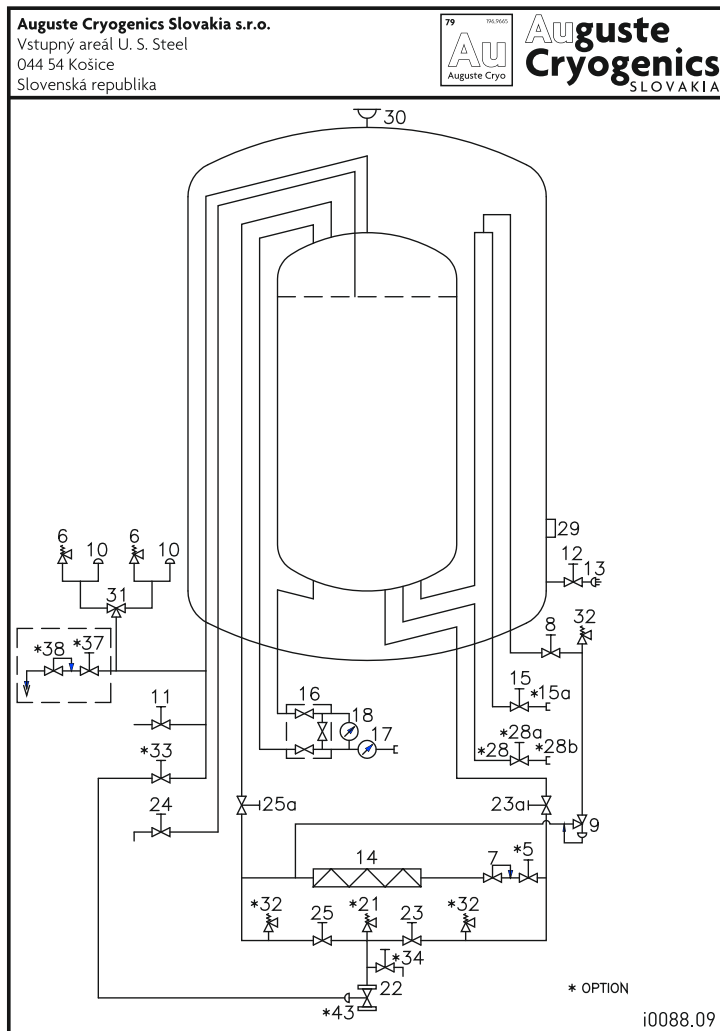
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Outer vessel	Carbon steel
Inner vessel	Stainless steel
Insulation	Vacuum Perlite or multilayer Super Insulation
Pressure range	Standard MAWP from 18,5 to 37 bar*
Coating	Blasted ground (to SA 2 1/2, DIN 559281) Hempadur UNIQ 47741 Hempaxane Classic 55000

* individual MAWP customizations available on request

Building the GOLD standard of service and quality in cryogenic storage equipment.

SCS Cryogenic Bulk Tanks



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Au **Auguste Cryogenics** SLOVAKIA

POS.	DESCRIPTION	DETAILS
5 *	Shut-off valve in P-B system (OPTION)	DN20 K
6	Main safety valve	1/2"-1"
7	Pressure building regulator	
8	Shut-off valve in pressure reducing system	DN15 K
9	Pressure reducing regulator (economizer)	
10	Inner tank bursting head	1/2"
11	Vent valve	DN20 L
12	Vacuum probe valve	DN6
13	Vacuum probe	
14	Pressure building vaporizer	
15	Product withdrawal valve	DN25 L
15a*	Screwed coupling of product withdrawal (OPTION)	
16	Three valve manifold	DN3
17	Pressure gauge	
18	Liquid level indicator	
21*	Section safety valve (OPTION)	1/4"
22	Fill connection	DN40
23	Liquid phase fill valve	DN25 L
23a	Liquid phase service valve	DN25 L
24	Over flow valve	DN15 L
25	Gas phase fill valve	DN25 L
25a	Gas phase service valve	DN25 L
28 *	Additional liquid withdrawal line (OPTION)	
28a*	Valve at add. liquid withdrawal line (OPTION)	DN25 L
28b*	Screwed coupling of add. liquid withdrawal (OPTION)	
29	Evacuation connection	2"
30	Vacuum bursting disk for outer tank	4"
31	Change over valve	DN15
32*	Section safety valve (some as OPTION)	1/4"
33*	Service valve for Safety shut off device (OPTION)	DN15 K
34*	Purge valve (OPTION)	DN15 K
37*	Shut-off valve for process protection (OPTION)	DN15 K
38*	Pressure red. regulator for process prot. (OPTION)	
43*	Safety shut-off device (OPTION)	DN40

K = short spindle
L = long spindle

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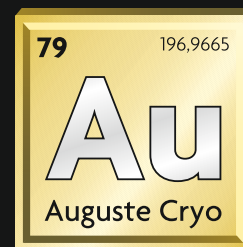
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