

Auguste Cryogenics' products are characterized by their high technical standard and reliability. Our portfolio includes:



- Vertical and horizontal bulk tanks from 2,200 to 250,000 liter capacity for use in industry (LIN, LOX, LAR, LCO2, LN2O) and in the energy sector (LNG, LH2).
- Stationary and transportable microBulk tanks from 750 to 5,000 liter capacity.
- Liquid cylinders with capacity from 70 to 240 liter for different operating pressures.
- Stainless steel freezers for the safe and economical long-term storage of precious biological tissue.
- Aluminum Dewars from 2 to 175 liter capacity for storage and safe transport of sample material in liquid nitrogen.
- Specially engineered vessels for a large variety of purposes, designed and built to the needs and demands of our clients.

The Auguste Cryogenics logo reflects the Company's commitment to excellence in all of its operations and building the GOLD standard of service and quality in cryogenic storage equipment.

CONTACTS

We can provide you with a solution for every aspect of your cryogenic liquefied gas storage needs - please do not hesitate to contact the specialists in our sales team.

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PRODUCT

SCS LNG Bulk storage tanks

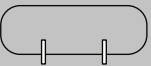
GENERAL SPECIFICATIONS

Outer vessel	Carbon steel
Inner vessel	Stainless steel
Insulation	Vacuum Perlite or multilayer Super Insulation
Cleaning	For oxygen service

VARIATIONS



vertical



horizontal

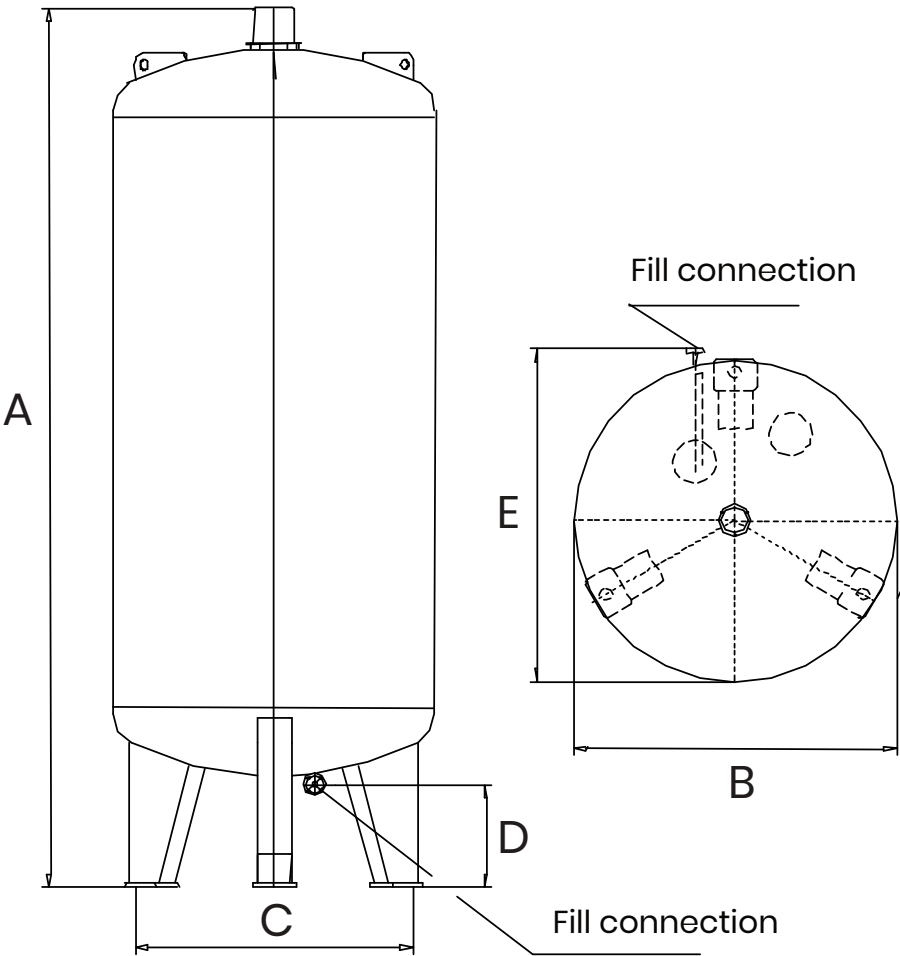


More information | www.augustecryogenics.com

TECHNICAL DATA OF THE SCS RANGE FOR LNG

Standard Pressure 11,0 bar

- Designed, engineered and manufactured to satisfy toughest safety requirements
- Superior vacuum technology for the highest thermal performance
- Multiple configurations for vast range of stationary applications
- Easy to operate and maintain with ergonomically accessible valves and instruments
- Corrosion resistant stainless steel piping, support legs feet and lifting lugs
- Durable protective coating resistant to highly aggressive industrial enviroment
- In-house certified passive fire protection (PFP) coating available
- Standard dual safety relief devices
- Built accordance with EN 13458 directive (PED 2014/68/EU)



Type		SCS	11 000	13 400	17 000	20 000	28 000	32 000	37 000	41 000	50 000	60 000	73 000	80 000	100 000
Gross volume ¹⁾		L	10 900	12 100	16 800	19 200	26 900	31 900	35 200	40 100	50 700	61 000	74 000	81 700	104 400
Net volume (95%) ¹⁾		L	10 355	11 495	15 960	18 240	25 555	30 305	33 440	38 095	48 165	57 950	70 300	77 615	99 180
Average loss rate / day (LNG)		%	0,23	0,23	0,20	0,17	0,15	0,14	0,14	0,14	0,13	0,13	0,12	0,12	0,10
Pressure building capacity	At given pressure LNG in Nmt/h/8h	6 bar	550	850	550	550	850	850	850	850	850	850	850	850	850
		4 bar	880	1 300	880	880	1 300	1 300	1 300	1 300	1 300	1 300	1 300	1 300	1 300
		2 bar	1 800	2 600	1 800	1 800	2 600	2 600	2 600	2 600	2 600	2 600	2 600	2 600	2 600
Total height A		mm	6 480	6 190	8 900	10 070	10 550	11 940	12 770	14 150	11 500	13 900	16 400	18 250	15 400
Diameter B		mm	2 200	2 500	2 200	2 200	2 500	2 500	2 500	2 500	3 000	3 000	3 000	3 000	3 600
Foot hole circle C		mm	2 000	2 300	2 000	2 000	2 300	2 300	2 300	2 300	2 800	2 800	2 800 ³	2 800 ³	3 500 ³
Height loaded E		mm	2400	2 700	2 400	2 400	2 700	2 700	2 700	2 700	3 200	3 200	3 200	3 200	3 800
Fill flange height D		mm	500	500	500	500	500	500	500	500	500	500	500	500	500
Weight	Empty tank	kg	5 250	6 690	7 330	8 280	11 450	12 890	13 690	15 100	18 180	20 750	24 720	27 260	40 290
Weight	LNG full filled	kg	10 120	12 095	14 840	16 860	23 475	27 125	29 400	33 020	40 790	48 970	56 540	63 680	84 900

1) Geometric volumes can deviate as consequence of the cold stretch process.
2) SCS 100,000 – 8 bar
3) SCS 73000–100000 – with 4 legs.

Data subject to change without prior notice

SAFELY STORE LIQUIFIED NATURAL GAS

at the extremely low temperature of:

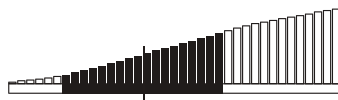
-162 °C
(-260 °F)

General Specifications

PRESSURE RANGE

from 2 to 11 bar

Individual MAWP customiza-
tions available on request



STANDARD VOLUME

11 m³ – 100 M³



INSULATION

Vacuum Perlite or multilayer Super Insulation

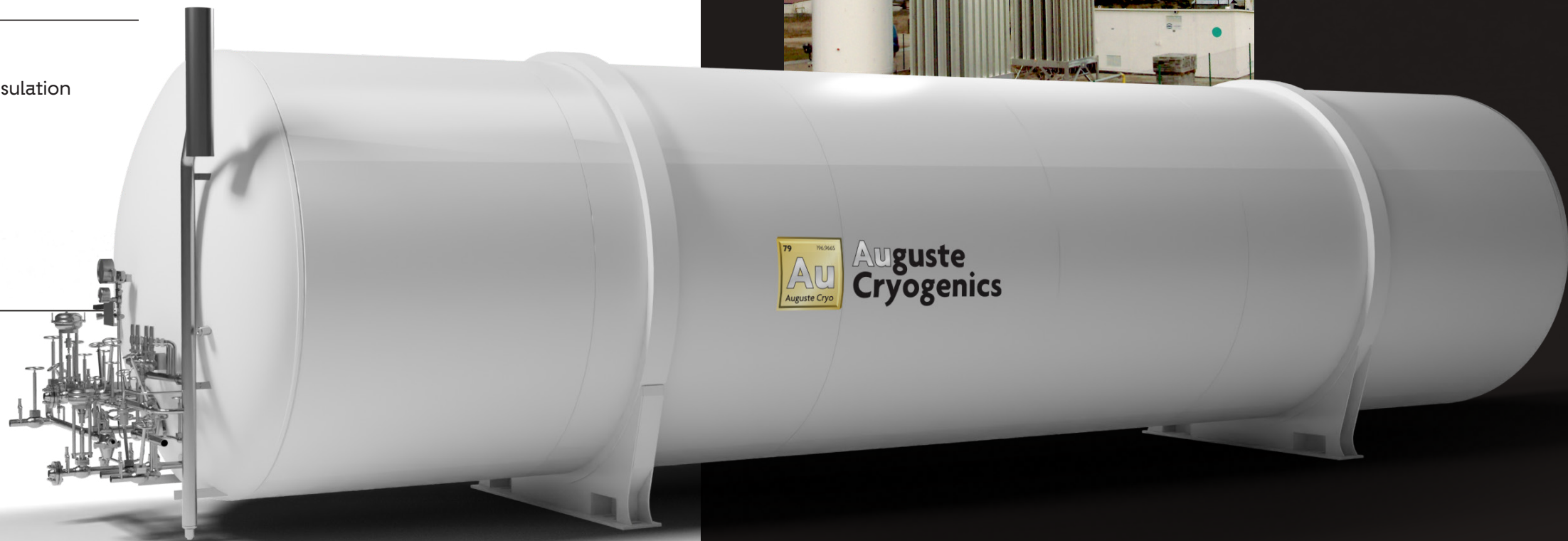
CLEANING

For oxygen service

COATING

Blasted ground (to SA 2 1/2, DIN
559281) Hempadur UNIQ 47743
Hempaxane Classic 55000

The vessels in the Auguste Cryogenics SCS-LNG product line are specifically designed to safely store liquified natural gas (LNG) at the extremely low temperature of -162 C (-260 F). Minimal temperature fluctuations and product loss are ensured by high-quality vacuum/perlite or vacuum/multi-layer insulation.



Our cryogenic storage tanks for LNG are optimized and produced for all sorts of mass and satellite installations and regasification stations with a special emphasis on safety and easy and economical operation.

These special tanks are available in vertical and horizontal configuration. All our tanks are built to the highest industrial standards and fulfill international norms. The final layout of the piping, made from top quality stainless steel, is individually configured to the requirements of the customer.

Our goal is simple – to build a better LNG vessel every day. Safety is embedded in our engineering detail and is firmly rooted in our selection of high quality components and manufacturing processes.



Vacuum technology designed for extreme temperatures

Performance comes from an industry best vacuum technology designed for extreme temperatures, applications and environments. Performance that has been forged by our proven track record in vehicle fueling stations, regasification plants and bunkering facilities



Continuity. Reliability. Quality.

WE ARE AUGUSTE CRYOGENICS



Auguste Cryogenics is proud to be part of the push for European climate neutrality, and we are committed to investment, expansion, and leadership in hydrogen, natural gas, and other green technologies.

New storage applications are emerging within the energy industry and our expertise helps us create leading edge energy products.

INNER VESSEL	OUTER VESSEL
Stainless steel	Carbon steel



We have preserved the people, practices and patents for which the company has been built while investing in innovative products for the future.



50+ years
IN EUROPEAN
CRYOGENIC INDUSTRY

The SCS-LNG Cryogenic Bulk Tanks are part of the Auguste Cryogenics product portfolio.

Auguste Cryogenics is an internationally renowned manufacturer of tanks and containers for cryogenic liquefied gases. We have over 50 years of experience designing and manufacturing these products.

With our manufacturing facility in Košice, Slovakia and distribution center in Husum, Germany, Auguste Cryogenics has continuously shaped the European cryogenics industry for decades. We continue the tradition of practices and intellectual property with which the company was built.

At the same time, we take pride in investing in our employees and in innovative solutions for tomorrow.

