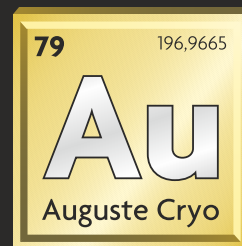


# SCS LNG Bulk Storage Tanks



- 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, valves and lifting lugs
- Durable protective coating resistant to highly aggressive industrial environment.
- In-house certified passive fire protection (PFP) coating available
- Standard dual safety relief devices
- Built in accordance with EN 13458 directive (PED 2014/68/EU)

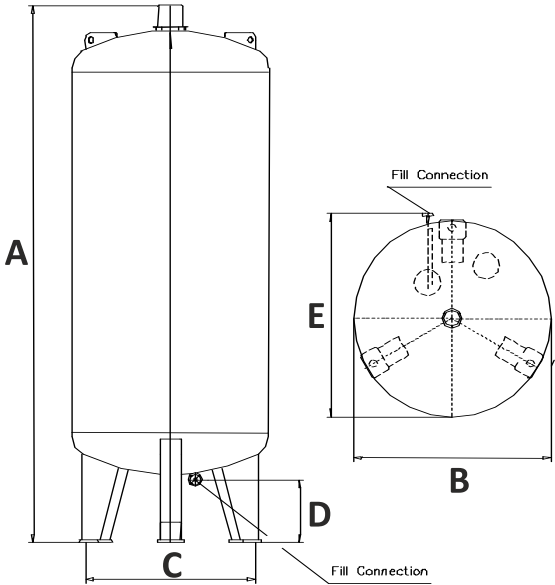


**Auguste  
Cryogenics**

Technical data of the SCS range for LNG

Standard Pressure  
11,0 bar

Outer vessel	Carbon steel
Inner vessel	Stainless Steel
Insulation	Vacuum Perlite or multilayer Super Insulation
Cleaning of vessel	for oxygen service
Coating	Blasted ground (to SA 2 1/2, DIN 559281) Hempadur UNIQ 47743 Hempaxane Classic 55000



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 <sup>2)</sup>
Gross volume <sup>1)</sup>		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%) <sup>1)</sup>		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 Nm³/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	2 400	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	12095	14 840	16 860	23 475	27 125	29 400	33 020	40 790	48 970	56 540	63 680	86 900

1) Geometric volumes can deviate as consequence of the cold stretch process.  
2) SCS 100,000 – 8 bar

3) SCS 73000–100000 – mit 4 Füßen/with 4 legs.

Technische Änderungen vorbehalten.  
Data subject to changes without prior notice.





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.

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

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  $-162\text{ C}$  ( $-260\text{ F}$ ). 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 security 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 unmistakable in our engineering detail and safety is firmly rooted in our selection of high quality components and manufacturing processes.

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.



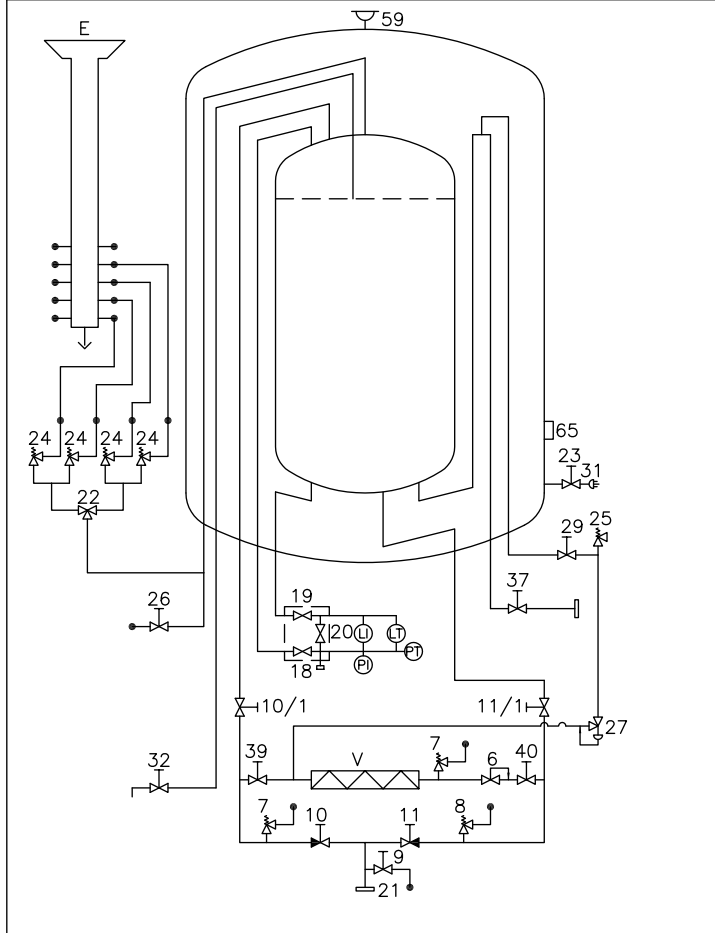
# SCS LNG Bulk Storage Tanks

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SLOVAKIA

POS.	DESCRIPTION	DETAILS
6	Pressure building regulator	
7,8,25,38	Section safety valve	1/4"
9	Purge valve	DN15 L
10	Gas phase fill valve	DN40 L
10/1	Gas phase service valve	DN40 L
11	Liquid phase fill valve	DN40 L
11/1	Liquid phase service valve	DN40 L
18,19,20	Three valve manifold	DN3
21	Fill connection	DN40
22	Change over valve	DN20
23	Vacuum probe valve	DN6
24	Main safety valve	1/2"
26	Vent valve	DN40 L
27	Pressure reducing regulator (economizer)	
29	Shut-off valve in pressure reducing system	DN15 L
31	Vacuum probe	
32	Over flow valve 90%	DN15 L
37	Product withdrawal valve	DN40 L
39	Shut-off valve in pressure building system	DN25 L
40	Shut-off valve in pressure building system	DN25 L
59	Vacuum bursting disc for outer tank	4"
65	Evacuation connection	2"
PI	Pressure gauge	
LI	Liquid level indicator	
PT	Pressure transmitter	
LT	Liquid level transmitter	
V	Pressure building vaporizer	
E	Vent stack	DN80

K = short spindle  
L = long spindle

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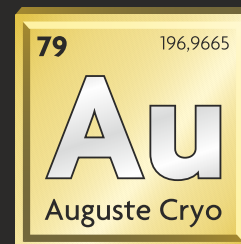
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Cryogenics**