

Helium

40ft ISO container tank

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CRYO
TRANS TECH

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Certified for the transport of Liquefied Helium (UN 1963)

Insulation Innovation - 66 Days Holding Time

Setting new standards in the preservation of cryogenic gases.

- **SI Technology: Advanced powder-vacuum "Super Insulation" (SI).**
- **Maintenance time: Up to 66 days at maximum gas fill level.**
- **Cargo Stability: Optimized for intercontinental transport and long-term storage.**
- **Benefit: Drastically reduced operational losses and increased profitability for every shipment.**

66 DAYS

Maintenance time

Cryogenic Efficiency and Product Preservation



Technical Specifications and Robustness

Engineered for the toughest conditions.

Parameter	Value
VOL Capacity / Max. filling	36.49 m ³ / 34.67 m ³ (95%)
KG Max. net weight (He)	4,343 kg
P Working / Test pressure	0.6 MPa / 0.91 MPa
T Design temperature	from -269°C to +50°C
MAT Material (Inner/Outer vessel)	Stainless steel AISI 321, 304
STACK Stacking Weight	213,360 kg (exceptional structural strength)



Robust Construction

A stacking weight of 213,360 kg confirms exceptional structural strength for demanding multimodal logistics.

Standards and Environmental Safety

Full compliance with global regulations.

- **Certifications:** Manufactured in accordance with strictly defined standards: TPED, ADR, EN 13530, ASME VIII div.1 and RID 2025.
- **Safety Systems:** Dual valve system with an opening pressure of 0.61 MPa.
- **Environmental Protection:** Robust construction (wall thickness up to 6 mm) ensures zero leakage risk, protecting the environment and personnel during multimodal transport (ship, rail, road).



Cloud-Based Operation Centre (IoT)

Full control of your fleet in real time.

We have developed an integrated remote monitoring system that enables logistics optimization through tracking of:

Geolocation (GPS)

The exact position of every container anywhere in the world.

Container Telemetry

Real-time data on liquid level and pressure inside the inner vessel.

Ambient Conditions

Ambient temperature monitoring for proactive risk management.

Analytics

Data archive for optimizing future transport routes.



**GPS status
Online**

**Pressure
0.6 MPa**

**Temp.
-269°C**

Wide Application and Flexibility

A solution for every industry.

- **Application: Gas supply for hospitals (MRI), research institutes, high-tech industries (semiconductors), aerospace, and manufacturing plants.**
- **Cryogenic Versatility: Specialized solutions not only for helium, but also for other cryogenic gases.**
- **Custom Solutions: On request, we also offer 20-foot (20ft) liquid helium containers, tailored to smaller capacities or specific infrastructures.**



Multimodal Application: road • sea • rail

Conclusion:

Your partner for safe and smart cryogenic logistics.

- **Leading insulation technology on the market.**
- **Maximum safety and structural durability.**
- **Digital transformation through cloud-based monitoring.**

Thank you for the time you dedicated to us.