

GAS5 40 ft ISO Container Tank

Multi-purpose solution for transporting of cryogenic gases

CTT Cryo Trans Tech

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Solution Overview

One ISO tank for multiple cryogenic media

GAS5 40 ft ISO Container Tank

- multipurpose tank designed for the transport of 6 different gases
- replaces the need for multiple specialized tanks and simplifies fleet management
- special design, valve system and dedicated insulation for demanding cryogenic conditions
- certified in accordance with RID 2025, ASME VIII Div. 1 and EN 13530-2



36,49 m³

tank capacity

down to -196 °C

design temperature

40 - 300 days

holding time

Supported media and operational advantages



Gases for transport

- nitrogen
- methane / LNG
- oxygen
- argon
- ethylene

Key benefits for operations

- greater flexibility in route and loading planning
- reduced need for different tank types
- gas holding time of 40 to 300 days without loss during that period

Holding time

40 - 300 days

depending on the type of gas being transported

Technical specifications

Pressure and temperature

- operating pressure: 0.6 MPa
- design pressure: 0.76 MPa
- test pressure: 0.91 MPa
- design temperature: min. -196 °C / max. 50 °C

Materials and standards

- inner and outer vessel material: AISI 304
- design codes: RID 2025, ASME VIII Div. 1, EN 13530-2



Vessel dimensions

Outer vessel
Diameter 2412 mm
Shell 6 mm
Head 8 mm

Inner vessel
Diameter 2112 mm
Shell 6 mm
Head 8 mm

Capacity, dimensions and weights

Parameter	Value	Unit / note
Tank capacity	36,49	m ³
Dimensions (L x W x H)	12192 x 2438 x 2591	mm
Max. permissible gross mass	30480	kg
Empty container mass	10800	kg
Max. payload for liquid methane / LNG	14650 / 15000	kg
Max. payload for liquid oxygen	18616	kg
Max. payload for liquid nitrogen / argon	18616	kg

Note: payload depends on the transported medium and the approval for the relevant UN number.

Tracking and multimodal transport

MULTI-MODAL TRANSPORT OF CRYOGENIC ISO CONTAINER

FOR TRANSPORTATION OF GASES AT TEMPERATURES DOWN TO -196°C



Cloud-based operational monitoring

CTT has developed a GPS container tracking system and a cloud-based operations center for monitoring the transport of 40' ISO cryogenic tanks worldwide.

Remote monitoring enables tracking of:

- geolocation
- liquid phase level
- pressure in the inner vessel
- ambient temperature

Maritime, road and rail transport in the same ISO format.

MULTI-MODAL TRANSPORT OF CRYOGENIC ISO CONTAINER

FOR TRANSPORTATION OF GASES AT TEMPERATURES DOWN TO -196°C



SEA

ROAD

RAIL

Contact and next steps



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***A 20 ft GAS5 container tank
is also available on request.***



**Thank you for your
attention**