

# GAS5 40 ft ISO Container Tank

Multi-purpose solution for transporting of cryogenic gases

CTT Cryo Trans Tech

AUTOR: Josip Peranić



**CRYO**  
TRANS TECH

Željeznička ulica - Via della Ferrovia 23,  
Vodnjan - Dignano, Croatia (HR),  
Tel.: +385 99 3128 647  
E-mail: [info@cryotranstech.hr](mailto:info@cryotranstech.hr)



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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 m<sup>3</sup>**

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 <sup>3</sup>
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  $-196^{\circ}\text{C}$



## 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  $-196^{\circ}\text{C}$



SEA

ROAD

RAIL

# Contact and next steps



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[www.cryotranstech.hr](http://www.cryotranstech.hr)

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



**Thank you for your  
attention**