



# CRYOGENIC TANK CONTAINERS



Eurotainer has developed the full range of transport and storage solutions for cryogenic air gases (LIN/LOX/LAR...), carbon dioxide (CO<sub>2</sub>) and liquefied natural gas (LNG).

Our tanks carry worldwide approval with market-leading tare weights and capacities. Our strength is in our ability to offer solutions by working with our customers and understanding their requirements. The tanks are the most up to date UN T75 design and cannot be compared to older IMO7 series vessels for performance and in particular the payloads, hold times and maintenance costs.



Excellent vacuum qualities and super insulation lead to lower evaporation rates and reduced product loss. Easy access to controls and piping delivers more efficient operation. Extended hold times facilitate lower storage costs and the ability to ship cryogenic products further.

Eurotainer tank containers are among the most versatile on the market by offering equipment that can carry CO<sub>2</sub> and other air gases in the same tank. No need any longer for a separate fleet of tanks for CO<sub>2</sub> shipments!



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# EUROTAINER CRYOGENIC TANK CONTAINERS EQUIPMENT AND SERVICE DETAILS:

<b>ISO Dimension and Capacities</b>	20 and 40 foot models; 8 feet, 6 inches in height and 8 feet wide ISO dimensions for international transport. 20 foot tank capacity ranges from 22000 to 22500 liters (5811 to 5943 US gallons). 40 foot tank containers are 46000 liter (12151 US gallons) capacity. Custom specifications available.
<b>Working Pressures</b>	Ranging from 10 bar/145 PSI to 24 bar/348 PSI, depending on product service.
<b>Inner, outer vessels and piping</b>	Both vessels are built in 304 grade stainless steel, for lower maintenance cost and lighter weight. Product piping is 304 grade stainless steel with suitable relief devices and valving for product fill, product withdrawal and pressure building.
<b>Products</b>	Nitrogen, Argon, Oxygen, Natural Gas (LNG), Ethane, Ethylene, Carbon Dioxide, Nitrous Oxide, Trifluoromethane (R23).
<b>Approvals/ Certifications</b>	IMO/UN, RID, ADR, US DOT CFR49, UIC; TIR, CSC, Transport Canada, ASME, Australian Worksafe, ACEP. Tanks are ASME approved and permitted for use in the U.S. UN PORTABLE TANK RULES PER US DOT 49 CFR 178.273 & 178.274 & 178.277 / IMDG 6.7 / ADR 6.7 / RID 6.7 . Other approvals include: CSC, ISO 1496-3, RAIL IMPACT PER AAR-600 1992 & TC SRS/AAR-600 2003 (PER CAN/CSB-43.147.2002).
<b>Pumps and Flow Meters</b>	The tanks are built with pump and flow meter provisions, which can be fitted upon Request.
<b>Insulation</b>	Insulated with super insulation compatible with a high vacuum to minimize heat flux and consequential product boil-off.
<b>Hold times</b>	The longest hold times available for intermodal tank containers that can extend supply chains between continents. See hold times per product below.
<b>Availability</b>	Global inventory locations in Europe, Asia-Pacific and the Americas.
<b>GPS Solutions</b>	Tank containers can be fitted with GPS devices to globally monitor tank location, provide real-time data, reporting and geo-fencing.

## CRYOGENIC TANK CONTAINERS CAN BE USED IN A VARIETY OF INDUSTRIES INCLUDING:

- / Food and beverage
- / Oil and gas field operations
- / Medical
- / Mining
- / Electronics and semiconductor
- / Energy

## HOLD TIMES BY PRODUCT:

 Product Name	 UN IMDG Number	 Hold Time*
Nitrogen (LIN)	UN1977	58 to 89 Days
Oxygen (LOX)	UN1073	59 to 131 Days
Argon (LAR)	UN1951	41 to 131 Days
Carbon Dioxide (CO2)	UN2187	58 to 76 Days
Ethylene	UN1038	231 to 273 Days
Natural Gas (LNG)	UN1972	108 to 131 Days
Ethane	UN1961	307 to 367 Days

\*Hold Time varies by the tank specification selected



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GO TO [WWW.EUROTAINER.COM](http://WWW.EUROTAINER.COM) FOR MORE INFORMATION  
ON OUR TEMPERATURE CONTROLLED TANK CONTAINERS  
AND TO CONTACT YOUR LOCAL EUROTAINER OFFICE.