

# CRYOGENIC ISO TANK CONTAINER



## 1. Rating

Type	20000 I
Gross Volume (l)	19650
Container gross weight (kg) Carbon Dioxide	28200
Container gross weight (kg) Oxygen	29840
Tare Container (kg) Incl. Pump	8600
Payload (kg) LCO <sub>2</sub>	19600
Payload (kg) LIN	14950
Payload (kg) LOX	21240
Payload (kg) LAR	26130
Length (mm)	6058
Width (mm)	2438
Height (mm)	2591
Voidage	5 %



All stainless steel pipework and valves neatly arranged in lockable machinery compartment. Outside of the machinery compartment is a lockable document holder installed.



# CRYOGENIC ISO TANK CONTAINER



## Design Range

This latest generation of the CRYOTEKNIK ISO container offers a market leading capacity of 22000 litres for the transport and storage of cryogenic liquids. The container is available in working pressure from 4 to 22bar, with optimized units for Nitrogen, Oxygen and Argon as well as more specialized units for CO<sub>2</sub>, Ethylene, Nitrous Oxide and LNG.

Typical Design Specification	4Bar Type	10Bar Type	17Bar Type
Tank Container Type	IMO T75	IMO T75	IMO T75
Capacity	22000 litres nominal	22000 litres nominal	22000 litres nominal
Tare Weight	5600 kg	6600 kg	7990 kg
Maximum Gross Weight	34000 kg	34000 kg	34000 kg
Maximum Working Pressure	4 bar	10 bar	17 bar
Hydraulic Test Pressure	6.5 bar	14.3 bar	23.4 bar
Design Temperature	-196 deg C to +50 deg C	-196 deg C to +50 deg C	-196 deg C to +50 deg C
Design Code Approval	ADR, RID, IMP, CSG, UIC, TIR, ISO, TPED, UNT75		

## Tank Container Details

Inner Vessel construction	Austenitic Stainless Steel 304L
Outer Jacket construction	Austenitic Stainless Steel 304
Baffles	In accordance with ADR
Insulation	Vacuum Insulated
Mounting System	Proven and tested to 5g
Instrumentation Pipes	Stainless Steel construction
Valves	Bronze bodied screw in type, or Stainless Steel weld in type with interchangeable valve internals

## Framework Details

Type	Integral with base support frame
Material	Stainless Steel throughout
Overall Size	6058x2438x2591 mm High

## Options

Pumping System	Optional to facilitate rapid discharge of product
Flow Meter	Provision for Flowmeter in delivery line
Gas Return	To facilitate closed filling

# CRYOGENIC ISO TANK CONTAINER



## Design Range

The CRYOTEKNIK 40ft LNG Container offers a market leading capacity of 46,000 litres. Available in working pressures of 6, 10 and 17 bar, the container can be used for the transport and storage of LNG with optional designs for site power generation and vehicle refuelling.

Typical Design Specification	6Bar Type	10Bar Type	17Bar Type
Tank Container Type	IMO T75	IMO T75	IMO T75
Capacity	46000 litres nominal	45000 litres nominal	44500 litres nominal
Tare Weight (ASME)	10700 kg	6600 kg	17500 kg
Tare Weight (EN code)	10100 kg	11900 kg	14000 kg
Maximum Cross Weight	6 bar	10700 kg	36000 kg
Maximum Working Pressure	9.1 bar	36000 kg	17 bar
Hydraulic Test Pressure	-196 deg C to +50 deg C	10 bar	23.4 bar
Design Temperature	ADR, RID, IMP, CSG, UIC,	14.3 bar	-196 deg C to +50 deg C
Design Code Approval	TIR, ISO, TPED, UNT75	-196 deg C to +50 deg C	

## Tank Container Details

Inner Vessel construction	Austenitic Stainless Steel 304L
Outer Jacket construction	Austenitic Stainless Steel 304 - Carbon Steel option available
Baffles	In accordance with ADR
Insulation	Vacuum Insulated
Mounting System	Complete Stainless Steel Proven and tested to 5g
Instrumentation Pipes	Stainless Steel construction
Valves	Stainless Steel weld in type

## Framework Details

Type	Integral with base support frame
Material	Stainless Steel throughout - Carbon Steel option available
Overall Size	12192x2438x2591 mm High

## Options

Pumping System	Optional to facilitate rapid discharge of product
Flow Meter	Provision for Flowmeter in delivery line
Gas Return	To facilitate closed filling