

22,000Lts Cryogenic ISO Container™



Design Range

This latest generation of the M1 Engineering ISO container offers a market leading capacity of 22000 litres for the transport and storage of cryogenic liquids. The container is available in working pressures from 4 to 22bar, with optimized units for Nitrogen, Oxygen and Argon as well as more specialized units for CO2, Ethylene, Nitrous Oxide and LNG

Typical Design Specification

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	5600Kg	6600Kg	7990Kg
Maximum Gross Weight	34000Kg	34000Kg	34000Kg
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, IMO, CSC, 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	6058 x 2438 x 2591mm 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

M1 ENGINEERING

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