

40ft LNG Cryogenic Tank container



Design Range

The M1 Engineering 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

| Typical Design Specification | 6Bar Type | 10Bar Type | 17Bar Type |
|------------------------------|--|-------------------------|-------------------------|
| Tank Container Type | IMO T75 | IMO T75 | IMO T75 |
| Capacity | 46000 litres | 45000 litres | 44500 litres |
| Tare Weight (ASME) | 10700Kg | 11900Kg | 17500Kg |
| Tare Weight (EN code) | 10100Kg | 10700Kg | 14000Kg |
| Maximum Gross Weight | 36000Kg | 36000Kg | 36000Kg |
| Maximum Working Pressure | 6 bar | 10 bar | 17 bar |
| Hydraulic Test Pressure | 9.1 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 - 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 | 12192 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 |

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