



40' LNG TANK CONTAINER

PREPARED EXCLUSIVELY

FOR

100 PSI



1.0 GENERAL

TYPE OF PRODUCT	:	40' Intermodal ISO container UN T75
MEDIUM	:	LNG
MAWP	:	0.69 MPa
GROSS CAPACITY	:	36,700 Liters
EFFECTIVE CAPACITY	:	33,000 Liters
TARE WEIGHT	:	11,000 kg (24,250 lb) (maximum tolerance 3%)
FILLING RATIO	:	90%
LOAD WEIGHT	:	14,580 kg (32,750 lb)
MAXIMUM GROSS WEIGHT	:	25,850 kg (57,000 lb)
STACKING	:	192,000 kg (423,290 lb)
DESIGN CODE	:	DOT ISO1496, IMDG, ADR, RID, ASME VIII.1
APPROVALS	:	CCC, CSC
APPROVAL AND INSPECTION ORG	:	Lloyd's Register

2.0 INNER SHELL

DESIGN CODE	:	ASME VIII.1
MATERIAL	:	SA240 304
DESIGN TEMPERATURE	:	-196°C TO 50°C



BAFFLES : Five transverse baffles

SURFACE TREATMENT : Pickling.

3.0 OUT JACKET

MATERIAL : Carbon Steel

DESIGN TEMPERATURE : -20°C to 50°C

SURFACE TREATMENT : Shot blast to SA 2½

4.0 INSULATION

TYPE OF INSULATION : Vacuum with multi-layer super insulation

NET EVAPORATION RATE : 0.17%/d(LNG) (ambient conditions: 100kPa and 30°C)

HOLDING TIME : 50 days at 90%

5.0 PIPING/VALVE

PIPING MATERIAL : SA312 TP304

VALVE TYPES : Globe Valve

PRESSURE BUILD-UP COIL : Not included

HOSE AND HOSE BOX : Not included

6.0 FRAME

SIZE : 40' 1AA ISO CONTAINER

DIMENSIONS : 12,192 x 2,438 x 1,829mm (l x w x h)

MATERIAL : Carbon steel



UPSIDE WALK PATH : No

LADDER : No

7.0 EXTERNAL CORROSION PROTECTION

SHOT BLAST : Carbon steel Shot blast to SA 2½

PAINT : One coat Hempel Hempadur Zinc 1536 primer to 30 microns DFT.
One coat Hempel Hempatex 1530 to 40 microns. One coat
Hempel Hempatex 5643 to 50 microns DFT. Color to suit
customer.

8.0 DOCUMENTATION

DOSSIER : Two copies of tank dossier in English

MANUALS : Two copies of operating manual in English

9.0 MARKING/LETTERING

- All markings in line with code requirements, as far as possible combined on plates;
- Including the regulatory markings; tank owner numbers logo.
- Lettering: tank lettered in accordance with client's standards and mandatory markings.