



Cryogenic Tank Services

Servicing - Manufacturing - Engineering

1750 LITRE UN PORTABLE PROPANE TANK



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1750L UN PORTABLE TANK

Specification

- Tank Type: IMDG Type T50, DNV 2.7-1, UN Portable Tank.
- Frame Dimensions: 1650mm x 1650mm x 2320mm.
- Capacity: 1750 litres +/- 2%.
- M.G.M.: 5,000kg.
- TARE (est): 1,850kg approx.
- Max. Payload: 3,150kg.
- Working Pressure: 22.5 bar.
- Test Pressure: 29 bar.
- External Pressure: 1.0 bar.
- Design temperature: -20°C to +55°C Frame (-40°C to +55°C Vessel).
- Vessel Material: EN10028-3: P460 NL2 or equivalent.
- Vessel thickness: 7.2mm min (shell), 10.5mm min after forming (ends).
- Internal pipework Material: SA-333 Grade 6.
- Frame Material (Primary structure): EN 10219 S275 J2H (Primary structure) EN 10025 S355 J2G3 (Padeyes).
- Corner Castings: 4-off, to ISO 1161.
- Padeyes: 4-off Padeyes c/w Dia 23mm holes for 4.75 tonne shackle (designed for 45° sling angle).
- Slings: 4-Leg chain sling set to DNV 2.7-1 (client to supply).
- NDT: VT: 100% of all seam welds. RT: 100% of all long and circ welds.
- PWHT: Heat treatment after cold forming in accordance with vessel material specification.
- Forklift pockets: 2 off 300 x 112mm internally, t= 8mm, 840mm centres, Slotted underneath.
- Inspection Agency: Lloyds Register.
- Cargo carried: Multi cargo as per IMDG T50 and ADR T50. UN1075 LPG (Liquid Petroleum Gas). UN1011 (Butane). UN1978 (Propane).
- Approvals: DNV 2.7-1, EN12079, IMDG Type T50, ADR/RID, TIR, TPED
- Manlid: 1 x 500mm bolted manlid, located on top of tank
- Safety Relief Valve: 1 x 3" N/B flush-mounted internal relief valve. (Fort-vale 015/2XXX5B)
- Manometer: 1-off, Dia.100mm, 1/4" thread, 0 - 40 bar, located in liquid space.
- Gas Phase: DN 50 (2") short profile gas foot valve assembly comprising of 2" Stainless steel internal valve, and 2" Stainless steel external ball-valve ,terminating in 1^{3/4}" ACME connector and cap (FV 802B/0010R).
- Liquid Phase: 2" 90 deg Liquid Phase Gas Valve, Left handed. (FV CE252/3300A), 2" Ball Valve (FV CE370/3200), 3.25" ACME outlet spigot c/w Cap & PTFE seal (FV CE252/2177).
- Thermometer: 1-off Rigid Stem Thermometer, located in liquid level.
- Level Gauge: 1 x Rochester level gauge located at left-hand side of manlid, to measure between 5 & 95% capacity levels.
- Valve Protection: Outlet valves and instruments located inside of skirt for protection. Hinged door (in 2 parts) on skirt for additional protection.
- Tank Internal Finish: Weld seams as welded. Shell surface sweep blasted post-hydrotest, swept clean and dried. Tank then sealed and purged with Nitrogen to 2.0 bar.
- External finish: Offshore standard paint preparation and coatings.

