



Tankformator®

Tankformator = Creation-Innovation-Transformation

Technical Specification, 20ft, ISO, UN Portable tank type T11, IMO1 Type 1, full frame tank container, TTTU875751-8, 14,300-Litre, bottom discharge, 6.0 bar test pressure, insulated, steam heated

Nominal Capacity	14300	Ltr	3776	US Gallon
Maximum Gross Weight	34000	Kg	74956	Lb
Tare (estimated)	3700	Kg	8167	Lb

Pressures

Working pressure	4.0	Bar	58	Psi
Test pressure	6.0	Bar	87	Psi
Steam working pressure	4.0	Bar	58	Psi
Steam test pressure	6.0	Bar	87	Psi
Relief valve	4.4	Bar	63	Psi

Temperatures

Ambient temp. range	-40°C to +65°C	-40°F to +149°F
Maximum cargo temp.	130°C	266°F

Shell material	Stainless steel DIN 1.4404 (AISI 316L), DIN 1.44041 (AISI 316)
Thickness	5.86mm shell, 6.5mm ends, equivalent 3.00mm mild steel.
Design code	ASME, section VIII, division 1
Approvals	Bureau Veritas Construction Certificate, DOT UK IMO type 1, DOT US IM101, UIC, CTC, AAR, FRA, CSC, ISO, ADR, RID, BAM

Standard fittings

Manlid	500mm (20") diameter.
Calibration	Volumetric stainless steel chart.
Airline	38mm (1½") black ball valve, outlet 1½" BSP, s/s screw cap, located in rear compartment
Relief valve	80mm (3") flanged fitted in series with bursting disc and pressure gauge.
Top outlet	Provision for 80mm (3") s/s butterfly valve, 80mm (3") removable full length syphon tube. Outlet 80mm (3") BSTD, DN80, ASA 150.
Vapour Return	80mm (3") bolted flange for optional fitting of vapour return
Bottom discharge	Bottom discharge 80mm(3") highlift foot valve and clamped 80mm (3") butterfly valve, Outlet 3" BSP screw thread and cap.
Gaskets & seals	Parts in contact with cargo, PTFE/Teflon.
Steam heating	7m² (75²) effective surface area external steam ducts ¾" BSP screw inlet/outlet and cap.
Insulation	50mm (2") Isocyanurate (CFC Free) rigid foam; white 2mm grp cladding; thermal value 37 Kcal/hr at 30°C.