

**20 FEET ISO CRYOGENICS TANK SPECIFICATION FOR 8 BARS PRESSURE**

TANK TYPE	20ft UN T75	
CAPACITY	5,000 US Gallon Nominal (19,262Ltrs)	
TARE WEIGHT	8,710 Kg (+/- 3 %)	
MAX PAYLOAD	22,600 Kg	
PRODUCT	LIN, LOX, LAR	
MAXIMUM WORKING PRESSURE	0.8Mpa (8 Bar)	
HYDRO TEST PRESSURE	1.17Mpa (11.7 Bar)	
SERVICE TEMP.	-196°C to 50°C. Inner/ outer vessel and pipe work.	
PERFORMANCE	< 0.42% Per day based on LN2.	
TYPE APPROVALS	ISO, CCS, IMO, IMDG & CSC , TIR ADR/RID,	
CLASSIFICATION SOCIETY	BUREAU VERITAS	

**2.0 VESSEL**

DESIGN, FABRICATION & TESTING CODE	ISO, CCS, IMDG & GB 150	
EFFECTIVE VOLUME	18,300 Liters (Based on 95%)	
INNER VESSEL & PIPES	SA-240, 304 St. steel	
OUTER VESSEL	SA-516Gr.17	
PIPE WORK	Stainless steel Sch. 10 as a minimum.	
BAFFLES	2 Sets of stainless steel baffles per tank.	
DRIP TRAY	Stainless steel 2mm thick Positioned under Liquid valves.	



### **3.0 FRAME**

SIZE OF FRAME	Length 6,058 mm x Width 2,438 mm x Height 2,591 mm	
MATERIAL	Carbon Steel ,	
FORKLIFT POCKET	No	
MAXIMUM GROSS LOAD	31,310 Kg.	
SLINGS	<b>Not supplied by Manufacturers</b>	

### **4.0 INSULATION & CLADDING**

INSULATION	Multi-layer vacuum	
VACUUM	0.01 Pa	

### **5.0 EXTERNAL CORROSION PROTECTION**

SHOTBLAST	SA 2½ to framework and vessel.	
FRAME PAINT SYSTEM	Two coat Zinc rich primer to 40 microns DFT. Three coats Epoxy high builds to 80 microns DFT.	
VESSEL PAINT SYSTEM	Two coat Hempel Urethane 5521 to 80 microns DFT.	

