

20 FEET ISO CRYOGENIC TANK SPECIFICATION FOR 20 BARS PRESSURE

TANK TYPE	20ft UN T75 / 22T7	
CAPACITY	4,890 US Gallon Nominal (18,480Ltrs)	
TARE WEIGHT	11,600 Kg (+/- 3 %)	
MAX PAYLOAD	18,880 Kg	
PRODUCT	Liquid Nitrogen, LO, LAr	
MAXIMUM WORKING PRESSURE	2.0Mpa (20 Bar)	
HYDRO TEST PRESSURE	2.42Mpa (24.2 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	
CLASSIFICATION SOCIETY	BUREAU VERITAS & CCS	
2.0 VESSEL		
DESIGN, FABRICATION & TESTING CODE	ISO, CCS, IMDG & GB 150	
EFFECTIVE VOLUME	17,550 Litres (Based on 95 %)	
INNER VESSEL & PIPES	OCr18Ni9 / 304 St. Steel	
OUTER VESSEL	16MnR	
PIPE WORK	Stainless steel Sch 10 as a minimum.	
BAFFLES	2 Set of stainless steel baffles per tank.	
DRIP TRAY	Stainless steel 2mm thick Positioned under Liquid valves.	



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3.0 FRAME

TYPE OF FRAME	UN T75 / 22T7	
TWIST LOCK	No	
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	30,480 Kg.	
SLINGS	Not supplied by Manufacturers	

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 coat Epoxy high builds to 80 microns DFT.	
VESSEL PAINT SYSTEM	One coat Hempel Urethane 5521 to 80 microns DFT.	



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