

10 FEET ISO CRYOGENICS TANK SPECIFICATION FOR 9 BAR PRESSURE

TANK TYPE	10ft UN T75	
CAPACITY	2,000 US Gallon Nominal (7,610Ltrs)	
TARE WEIGHT	5,500 Kg	
MAX PAYLOAD	10,500 Kg	
PRODUCT	LIN, LOX, LAR	
MAXIMUM WORKING PRESSURE	9 Bar.	
HYDRO TEST PRESSURE	9.7 Bar	
SERVICE TEMP.	-196°C to 50°C. Inner/ outer vessel and pipe work.	
PERFORMANCE	< 0.5% Per day based on LN2.	
TYPE APPROVALS	ISO, CCS, IMO, CSC & TIR	
CLASSIFICATION SOCIETY	BUREAU VERITAS & CCS	

2.0 VESSEL

DESIGN, FABRICATION & TESTING CODE	ISO, CCS, IMDG	
EFFECTIVE VOLUME INNER VESSEL & PIPES	7,230 (Based on 95%) OCr18Ni9 / 304 St. Steel	
OUTER VESSEL	16MnR	
PIPE WORK	Stainless steel Sch 10 as a minimum.	
BAFFLES	1 Set of stainless steel baffles per tank.	
DRIP TRAY	Stainless steel 2mm thick Positioned	



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3.0 FRAME

TYPE OF FRAME	UN T75 Universal Portable Tank	
SIZE OF FRAME	Length 2,991 mm x Width 2,438 mm x Height 2,591 mm	
MATERIAL	Carbon Steel	
FORKLIFT POCKET	Shall be provided at base Frame	
MAXIMUM GROSS LOAD	16,000 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	Two coat Hempel Urethane 5521 to 80 microns DFT.	



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