

**Trifleet Cryogenics: Combination of the Best**

We combine 25 years of tank container expertise with 25 years of cryogenic experience. Our new cryogenic business starts powerful with a substantial number of high-class tanks and deep cryogenic insights; all on the basis of the well-established Trifleet organization. The result is a stable business with the energy and flexibility of a startup. We have the ability to determine and develop superior design tanks with detailed technical specifications to enable operational advantages for customers. We are your technical partner for your cryogenic infrastructure. We offer state-of-the-art tanks with excellent design and services, such as maintenance & repair, pumps, hoses, installation systems.



**UN Portable T75 – 20Ft 22 BAR**

<b>Type</b>	UN Portable for the transport of refrigerated gasses class 2. (LIN, LOX, LAR, CO2)
<b>Approvals, Certification and compliances</b>	
General Transport	IMDG-ADR/RID (6.7) USDOT/CFR49
General Storage	CE marked acc. 2014/68/EU (PED)
Vessel/Barrel/Tank	ASME VIII div.1 + code Stamp / EN13530-EN13548
Others	UIC, TC Impact Canada, CSC, TIR, ISO
<b>General Specifications</b>	
Nominal capacity	22000 Liter tolerance -150L + 1,5%
Tare Mass	8300 (22 Bar) Kg tolerance +/- 1%
Max.Gross.Mass	36000 Kg
Size and type code	22K7 (EN-ISO6346)
Dimensions to ISO	L=6058mm W=2438mm H=2591mm
ISO Corner castings	20' x 8' x 8'6"
Max. All. Work. Pressure EN	22 Bar g
Max. All. Work. Pressure ASME	320psi
Design Temperatures inner vessel	-196 °C / +20°C
Design Temperature outer vessel	-196 °C / +50°C
Baffled with 2 sets (ADR) baffle plates	
<b>Materials of use</b>	
Valve cabinet doors and frame	SA 240/EN 10028-7 – 1.4301 304L Stainless Steel
Inner tank	SA 240/EN 10028-7 - 1.4301 304N/L Stainless Steel
Baffles	SA 240/EN 10028-7 - 1.4301 304L Stainless Steel

Outer tank SA 240/EN 10028-7 - 1.4301 304L Stainless Steel

### Fitting and accessories

Bottom discharge/fill (Liquid)	DN50 (All Herose Globe Valves)
Bottom discharge/fill 2 <sup>nd</sup> (Provision, Liquid)	DN50 (All Herose Globe Valves)
Top fill/gas Line (Spray)	DN40 (All Herose Globe Valves)
Balance line	DN40 (All Herose Globe Valves)
Vent Line	DN40 ending with 1½" NPT socket
Safety Relief Valve Assembly	2 x 2 + Diverter valve
Try cocks (level indicators)	3 x – 66% - 73% and 95%
Vapor recovery line	DN40 (All Herose Globe Valves)
Sampling line	1 x 6NB needle valves (both liquid as vapor phase)
Level / pressure Gauge	WIKA prepared with 4-20 mA transmitters
Pressure Build up Unit (PBU)	Fitted standard up to 40.000L/h
Valve cabinet	Aluminium with lockable doors

### Cryogenic Pump

Blackmer CRL-2 pump 225 L/min with 5,5 Kw motor, bypass valve, strainer and electrical control panel.

### Performance

Product	Holding Time(days)	Payload at max. Holding time(Kg)	Initial/ Filling Pressure (Barg)
UN1977-LIN	89	11741	0
UN1073-LOX	131	18425	0
UN1951-LAR	105	22382	0
UN2187-LCO2	76	21616	15 Bar