

## 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 - 20'

#### Type

UN Portable for the transport of refrigerated gasses class 2. (LIN, LOX, LAR, LNG, Ethane, Ethylene, LN2O)

#### Approvals, Certification and compliances

General Transport  
General Storage  
Vessel/Barrel/Tank  
Others

IMDG-ADR/RID (6.7) USDOT/CFR49  
CE marked acc. 2014/68/EU (PED)  
ASME VIII div.1 + code Stamp / EN13530-EN13548  
UIC, TC Impact Canada, CSC, TIR, ISO

#### General Specifications

Nominal capacity  
Tare Mass  
Max.Gross.Mass  
Size and type code  
Dimensions to ISO  
ISO Corner castings

22000 Liter tolerance -150L + 1,5%  
7500 (17,2 Bar) Kg tolerance +/- 1%  
36000 Kg  
22K7 (EN-ISO6346)  
L=6058mm W=2438mm H=2591mm  
20' x 8' x 8'6"

Max. All. Work. Pressure EN  
Max. All. Work. Pressure ASME

17,2 Bar g  
250psi

Design Temperatures inner vessel  
Design Temperature outer vessel

-196 °C / +20°C  
-196 to -40 °C / +50°C

Baffled with 2 sets (ADR) baffle plates  
3 mm thick are fitted at 1/3 points.

**Materials of use**

Valve cabinet 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 – 71% - 76% 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	Aluminum with lockable doors

**Performance**

Product	Holding Time(days)	Payload at max. Holding time(Kg)	Initial/ Filling Pressure (Barg)
UN1977 –LIN	83	12706	0
UN1073-LOX	120	19320	0
UN1951-LAR	96	23517	0
UN1972-LNG (CH <sub>4</sub> )	130	7074	0
UN1961-Ethane (C <sub>2</sub> H <sub>6</sub> )	306	9148	0
UN1038-Ethylene (C <sub>2</sub> H <sub>4</sub> )	247	9573	0

**About Trifleet Leasing**

Founded in 1990, Trifleet Leasing is the largest privately-owned and owner-managed global tank container leasing company today. With approximately 14,500 tank containers (excluding financial lease), the company is a global Top 5 player, with stable long-term growth. Trifleet acts within a worldwide network of offices, agents, depots and surveyors. Headquartered in Dordrecht (Main Port Rotterdam, the Netherlands), Trifleet has additional offices in Houston (USA), Singapore, Hamburg (Germany), Shanghai (China) and Paris (France). The company has a dedicated team of exclusive agents located in Italy, Brazil, South Africa and Japan. Furthermore, Trifleet works with a global network of tank container depots.

Trifleet’s tank containers are leased by the chemical, food grade, gas and pharmaceutical industries, as well as by tank container operators and shipping lines. Trifleet leases both, standard tank containers from 14,500 to 46,000 liters in size, and special tank containers such as cool tanks, swap bodies, over-wide tanks, various types of lined tanks, electrically heated tanks as well as cryogenic tank containers for LNG. In addition to leasing tank containers all over the world, Trifleet offers related services, such as Fleet Service Management.