

**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 develop superior design tanks with detailed technical specifications, which enhance the 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 and technical advice.



**UN Portable T75 - 40' LNG**

**Type**

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

**Approvals, Certification and compliances**

General Transport  
General Storage  
Vessel/Barrel/Tank  
Others

IMDG-ADR/RID (6.7+6.8) 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 Cornercastings

46000 Liter tolerance -150L + 1,5%  
11800 Kg tolerance +/- 3%  
36000 Kg  
42K7 (EN-ISO6346)  
L=12192mm W=2438mm H=2951mm  
40' x 8' x 8'6"

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

7-10 Bar g  
7 Bar g

Design Temperatures inner vessel  
Design Temperature outer vessel

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

Baffled with 6 sets (ADR) baffle plates

**Materials of use**

Valve cabinet doors and frame  
Inner tank

SA240/EN10028-7 – 1.4301 304L Stainless Steel  
SA 240/EN10028-7 1.4301 304N/L Stainless Steel  
(Cold stretched or Non Cold Stretched)

Baffles  
Outer tank

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

### Fitting and accessories

Bottom discharge/fill (Liquid)	DN65 (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 1 1/2" NPT socket
Safety Relief Valve Assembly	2 x 2 + Diverter valve
Try cocks (level indicators)	3 x – 82% - 90% and 95%
Vapor recovery line	DN40 (All Herose Globe Valves)
Sampling line	1 x DN6 (both liquid as vapor phase)
Level / pressure Gauge	WIKA prepared with 4-20 mA transmitters
Pressure Build up Unit (PBU)	Fitted standard up to 80.000L/h
Valve cabinet	Stainless steel with lockable doors

### Performance

Product	Holding Time(days)	Payload (10 Bar) at max. Holding time(Kg)	Initial/ Filling Pressure (Barg)
UN1977 -LIN	54	24400	0
UN1073-LOX	56	24400	0
UN1951-LAR	39	24400	0
UN1972-LNG (CH <sub>4</sub> )	100	16000	0
UN1961-Ethane (C <sub>2</sub> H <sub>6</sub> )	230	20600	0
UN1038-Ethylene (C <sub>2</sub> H <sub>4</sub> )	187	21500	0

