

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

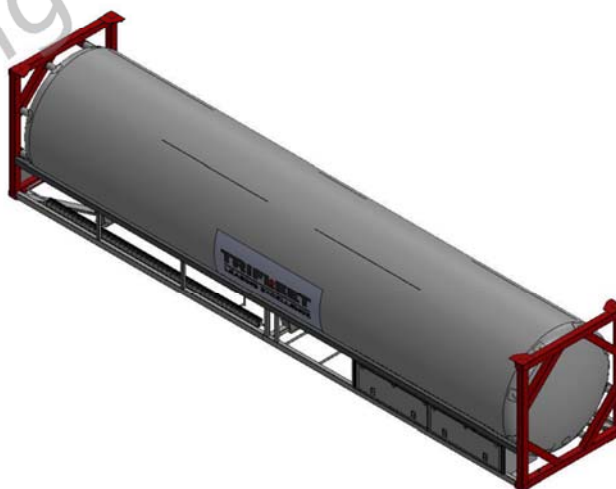
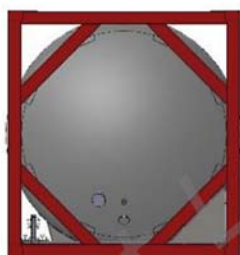
A 240/EN 10028-7 1.4301 304L Stainless Steel
SA 240/EN 10028-7 1.4301 304L Stainless Steel

Fitting and accessories

Bottom discharge/fill (Liquid)	DN65 (All Herose Globe Valves)
Bottom discharge/fill 2 nd (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 ½" 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 ₄)	100	16000	0
UN1961-Ethane (C ₂ H ₆)	230	20600	0
UN1038-Ethylene (C ₂ H ₄)	187	21500	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 13,500 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 also 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 and pharmaceutical industries, as well as by tank container operators and shipping lines. Trifleet leases both standard tank containers from 14,500 to 26,000 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. In addition to leasing tank containers all over the world, Trifleet also offers related services, such as Fleet Service Management.