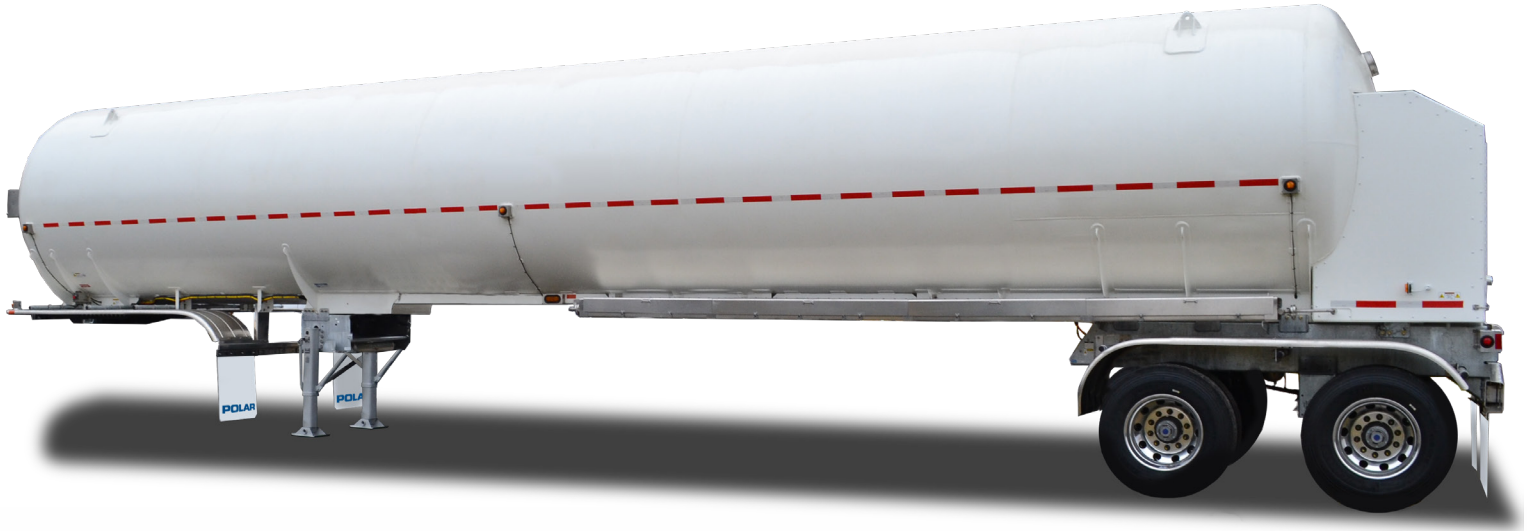


LIQUID HYDROGEN TRANSPORT

18,000+ GALLON LIQUID HYDROGEN TRAILER

POLAR
TANK TRAILER



CONFIGURATION

Liquid Hydrogen Transport
Design Temp.: -423°F to 150° F

CAPACITY

Gross Vol. 18,000+ Gallons
Max Payload 9,000 to 10,000 lb.
MAWP: 155 PSIG (10.69 BAR)
DOT Max Op. Pressure: 170 PSIG
(11.72 BAR)

WEIGHT

Est. Tare Weight: 50,000 lb.
Est. Fully Loaded Weight: 60,000 lb.
L: 53' W: 102" H: 13'

COMPLIANCE

ASME BPVC Sec. VIII, Div. 1
49 CFR 178.338 (MC-338)
California 40' KPRA

Pioneering Precision

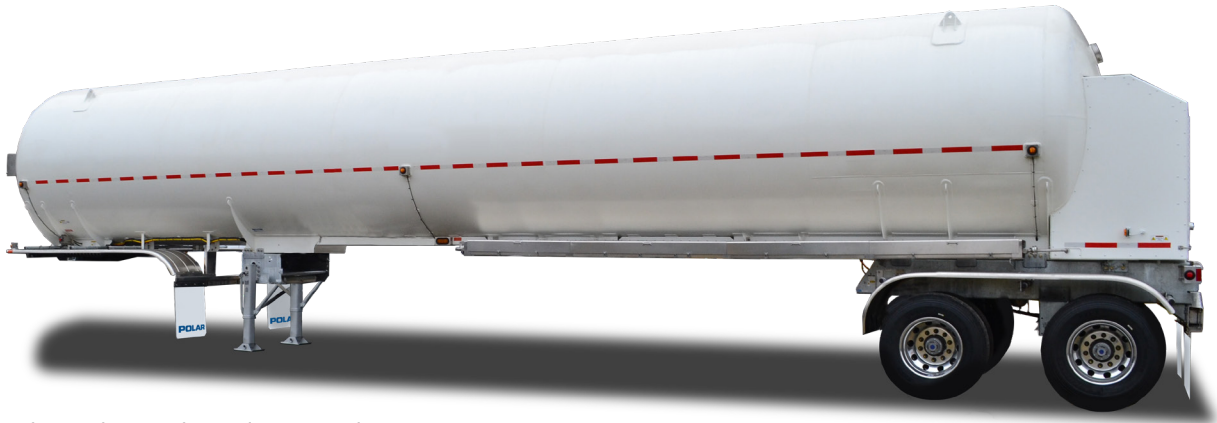
When it comes to transporting Liquid Hydrogen, precision, reliability, and safety are paramount. That's why industry leaders turn to Polar Tank Trailer. Engineered with unparalleled attention to detail and leveraging state-of-the-art technology, the Polar Tank Liquid Hydrogen Trailer ensures the safe and efficient transportation of this critical substance. With its innovative design and robust construction, this tanker sets a new standard for performance and durability, its mission-proven reliability making it the preferred choice for discerning clients worldwide. Trust in Polar Tank Trailer for excellence in Liquid Hydrogen transportation.

MISSION PROVEN | [POLARTANK.COM](https://polartank.com)

LIQUID HYDROGEN TRANSPORT

18,000+ GALLON LIQUID HYDROGEN TRAILER

POLAR
TANK TRAILER



Introducing the Polar Tank Trailer Liquid Hydrogen Transport - engineered to meet the most demanding standards of precision, reliability, and safety in the transportation of Liquid Hydrogen. This trailer is designed to withstand extreme conditions, ensuring the integrity of the cargo throughout its journey.

Boasting a gross volume of 18,000+ gallons and a maximum payload capacity of 9,000 - 10,000 lbs, the Polar Tank Liquid Hydrogen Transport offers unmatched efficiency in hauling substantial quantities of this critical substance. Its robust construction ensures the utmost safety and reliability in operation.

With an estimated tare weight of 50,000 lbs and a fully loaded weight of 60,000 lbs, this tanker strikes the perfect balance between payload capacity and structural integrity. The Polar Tank Liquid Hydrogen Transport guarantees compliance and peace of mind for operators and regulators alike.

FEATURES

BARREL

Inner Vessel:

SA-240 stainless steel • Baffles (1) • Welded Manway • Cleaned for oxygen service per CGA 4.1 • Radiography: RT-1

Outer Vessel: Carbon steel with SA-240 rear shell course and rear head • Collapsing design pressure: 30 psig • Lifting eyes for overturn recovery of fully loaded trailer

Insulation: Vacuum with super insulation and getter system

CHASSIS

- 201LN SS Subframe with white powder coat & SS fender supports
- Hendrickson INTRAAX AANT23K Suspension
- Hendrickson HXL7 RTR ADB
- Wabco 4S/2M RSS
- Hendrickson AK-54 auto dump valve
- Axle prepped for Hendrickson TIREMAAX Pro (no controller included)
- Aluminum tri-rib single-contour fenders, double-contour fenders at the rear
- 11R-22.5 Michelin XZE2 16-ply
- OEM 22.5 x 8.25 aluminum polished wheels

PIPING

- Internal/External Piping, SA-312 stainless steel
- Stainless steel cryogenic valves with extended stem
- SA-269 TP316 seamless process/

instrumentation tubing

- Thermal relief valves on all pipe segments that entrap liquid
- All pressure release valves vent to (1 of 2) 4" pressure release vent stacks with flapper design.
- All blowdown purge valves vent to a 2" vent stack with flapper design.
- Liquid fill/drain and discharge lines jacketed independently from the vessel with separate evacuation valve and relief device.

MISCELLANEOUS

- (2) Teledyne Hastings DV-6S thermocouple gauges
- Liquid level indication pressure gauge with isolation and balance valves
- 1000 TCP-H2-EX flow meters for hydrogen
- Rear piping cabinet with dual rear-opening doors and (2) side-opening doors with ventilation louvers
- Truck-Lite LED, vapor-sealed interior cabinet lights
- 2 exterior LED work lights
- SA-312 TP316 pressure-building unit
- Multiple emergency shutdown air toggles located at key areas
- Anti-towaway interlock bar system
- 20 lb fire extinguisher located at street-side
- Grounding cable and (2) Scully Groundhog studs

Available options:

- Tank Ai (Lane 2) - see QR Code below for more info

POLAR WARRANTY AND SUPPORT

- Strong tradition of aftermarket parts and service with Polar's extensive network of top-tier service centers
- Standard limited warranty, backed with a team of highly experienced engineers
- Reputation for best-in-class manufacturing and design of tank trailers

Explore Tank Ai:



Warranty:



Contact us:



Polar Tank Trailer is part of the Engineered Transportation International family of brands.

Polar Tank Trailer | 12810 Co. Rd. 17, Holdingford, MN 56340 | 800-826-6589 | www.polar tank.com

©2024 Polar Tank Trailer. All Rights Reserved.