

Liquid Hydrogen Transport

18,000+ GALLON LIQUID HYDROGEN TRAILER



CONFIGURATION

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

CAPACITY

Gross Vol.: 18,264 gal. (69,137 L)
Max Payload: 9,925 lb. (4,502 kg)
MAWP: 155 PSIG (10.69 BAR)
DOT Max Op. Pressure: 170 PSIG
(11.72 BAR)

WEIGHT

Est. Tare Weight: 48,000 lb.
Est. Fully Loaded Weight: 58,000 lb.
L: 53' W: 102" H: 13'

COMPLIANCE

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

Reliability Redefined

When it comes to transporting liquid hydrogen, precision, reliability and safety are paramount. That's why discerning clients turn to Heil Trailer International. Engineered with meticulous attention to detail and incorporating cutting-edge technology, the Heil Trailer Liquid Hydrogen Transport ensures the secure transportation of this volatile substance. From meticulously controlled loading to swift and secure delivery, the Heil Trailer Liquid Hydrogen Transport offers unmatched versatility and peace of mind for transporting liquid hydrogen across various distances and terrains, making it the preferred choice for those who prioritize excellence in transportation.

SOLUTIONS-DRIVEN

| INDUSTRY LEADERSHIP

| ENDURING PERFORMANCE

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BARREL

Inner Vessel:

- SA-240 stainless steel
- Baffle (1)
- Cleaned for oxygen service per CGA G-4.1
- Radiography: RT-1

Outer Vessel:

- 201LN stainless steel with 304 stainless steel rear shell course and rear head
- Collapsing design pressure: 30 PSIG
- Lifting eyes for overturn recovery of a fully loaded trailer

Insulation:

- Vacuum with super insulation and getter system

CHASSIS

- 201LN stainless steel subframe with white paint & stainless steel 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 TP316 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 relief valves vent to one of two 4" pressure release vent stacks with flapper design
- All blowdown purge valves vent to a 4" vent stack with flapper design
- Liquid fill/drain and discharge lines jacketed independently from the vessel with separate evacuation valve and relief device

MISCELLANEOUS

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

WARRANTY



SILVER COVERAGE
Standard, 4-year pro-rated



GOLD COVERAGE
5 years



PLATINUM COVERAGE
7 years

COMING SOON

LAR

LIQUID
ARGON

LN₂

LIQUID
NITROGEN

LOX

LIQUID
OXYGEN

Explore TANK Ai:



Contact us:



Heil Trailer is part of the Engineered Transportation International family of brands.

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