



Important Features of the PCS LNG Transport Trailer

All **PCS LNG Transport Trailers** are designed and built to hold up to the rigorous demands of over-the-road operation.

PCS LNG Transport Trailers are vacuum-insulated, cryogenic pressure transfer semi-trailers designed for performance, ease of operation, and safety.

PCS builds products to high standards, ready to excel in harsh environments. And, as always, **PCS** backs every product it manufactures with the support you need.

The **PCS Model 13K-70 psi** is optimized specifically for transporting Liquefied Natural Gas (LNG) over US highways. This transport trailer offers one of the most competitive payloads in the industry and meets or exceeds all design code requirements.

Specifications

Product Services:	LNG	
MAWP:	65 psi (4.48 bar)	
DOT Allowable Operating Pressure:	70 psi (4.83 bar)	
Warm Water Capacity:	Gal: 12,994	Litres: 49,188
MC-338 Capacity @ 70 psi:	Lbs: 41,013	Kg: 18,603
	Gal: 11,651	Kg: 44,104
MC-338 Capacity @ *34 psi:	Lbs: 41,980	Kg: 19,042
	Gal: 11,926	Kg: 45,145
Tare Weight (Standard trailer):	Lbs: 23,640	Kg: 10,723
Length:	47 ft 11 in.	(14.53 m)
Width:	102 in.	(2.59 m)
Height:	12 ft 6 in.	(3.81 m)

*Optional High Fill Desity Control Circuit

For additional technical information, or to request a quotation, please contact us:

Additional Features and Details

Design Codes: ASME SEC VIII, DIV 1
US DOT SPECIFICATION MC-338
ASME/ANSI B31.3

Design Temperature: -320°F/ to +100°F

Normal Evaporation Rate (NER): 0.3%/ LNG per day

Inner Vessel

- High strength stainless steel

Outer Vessel

- 304 SS Rear Course (to protect from road salt)
- 304 SS Rear Piping Head

Insulation and Annulus

- Super Insulation (SI) System: Designed to work under high vacuum, increasing thermal performance and minimizing product loss due to radiant heat transfer.
- Vacuum less than 10 microns

Running Gear

- 102" wide, stainless steel
- Air ride suspension
- Anti-Lock Brake System (ABS)
- Roll Stability System (RSS)
- Tire Inflation System (optional)
- Anti-Tow System
- Tires (445/50R22.5) Super Singles
- Wheels (22.5" x 14", 10 Hole, hub-piloted aluminum)

Piping

- Constructed and tested in accordance to ASME B31.3
- Pressure transfer delivery
- Stainless lined Pressure Building Coil with rock guard (transfer rates up to 200 GPM @ 50 psi)
- Piping arrangement allows for easy reach ground level access
- Stainless steel valves

Paint and Decals

- 3-Coat Paint System
- Trailer marking and labeling in accordance with DOT requirements for transporting LNG by highway (49CFR)

Additional Items

- DOT 20 lb Fire Extinguisher
- 8" x 19' Transfer Hose Tube (PVC)
- 2" x 18' Cryogenic Transfer Hose
- LNG Specific: Static ground reel, Scully ground bolt secured to bumper
- Safety cones and cone holder
- Chock blocks

Common Options

- 34 psi optimal pressure control circuit for high fill capacity
- Dual safety relief circuits with diverter valve
- High payload capacity with 10-ft spread axles
- Tractor - hydraulic driven off-load pump
- Weights and measures approved turbin flow metering system
- MannTek-Dixon dry quick disconnects hose connections
- Toolbox

Additional LNG Product Offerings

- Mega-load, 5-axle, 16.4 K - 70 psi, transport trailers
- 16 K - 173 psi, Queen mobile storage trailers



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