LNG Mobile Regasification Trailer

The LNG Mobile Regasification Trailer is designed to provide an uninterrupted supply of natural gas to power generator sets used on Oil & Gas drill rigs. The system is comprised of a 15,000 gallon LNG tanker trailer with integrated vaporization, flow control and offloading pump – all ruggedized and designed for extreme environments.

The large storage capacity of the LNG Mobile Regasification Trailer accepts deliveries of full tanker loads, minimizing delivered LNG costs. A high capacity offload pump is strategically located to allow flexibility of offloading on either side of the system. Integral to the system is an electrically heated direct to process vaporizer and pressure builder, designed for all weather and adverse climate conditions. When the job is complete, the LNG Mobile Regasification Trailer can be transported to another drill site while maintaining a minimum amount of LNG on board.

**Product Highlights**

- Minimize LNG costs by receiving full tanker load deliveries of LNG with the Mobile Regasification Trailer’s large 15,000 gallon capacity.
- Deploy the system anywhere you need. The all weather, all climate electric vaporizer & pressure builder operate independent of ambient conditions.
- Handle a wide range of gas flows with ease. The high flow gas delivery system provides flows ranging from 31,500 to 50,000 SCFH with pressures up to 100 PSIG.
- You will operate uninterrupted, even when refilling. The integral high capacity pump accepts tanker deliveries quickly without dropping the LNG Mobile Regasification Trailer’s pressure.
SPECIFICATIONS

Vaporizer Performance (2 Options) 150 kW unit with operating flow of 31,500 SCFH / 380 GPH*
280 kW unit with operating flow of 50,000 SCFH / 600 GPH

Water Capacity 15,000 gal / 56,700 ltr
Stationary LNG Capacity (at Full Trycock) 13,520 gal / 51,180 ltr
Transportable LNG Capacity (at DOT Trycock) 3,330 gal / 12,600 ltr
Maximum Allowable Working Pressure 140 psig / 9.7 bar
Flow Up to 50,000 SCFH** gas at 50°F
Length (overall) 55 ft / 16.8 m
Width (overall) 8 ft 6 in / 2.6 m
Height (overall) 12 ft 8 in / 3.9 m
Weight (tare) 50,000 lbs / 22,680 kg
Power Requirements Control Panel: 480V / 60 Hz / 3Ph 5 amps
Pump: 480V / 60Hz / 3Ph 12 amps
Electric Vaporizer/PB: 480V / 60 Hz / 3Ph

Design Codes

* GPH = Gallons Per Hour
** SCFH = Standard Cubic Feet per Hour

Nomenclature

V-1 Bottom Fill Valve CV-2 Top Fill Check Valve #1
V-3 Liquid Withdrawal Valve CV-3 Top Fill Check Valve #2
V-4 Top Fill Valve SV-1 Safety Relief Valve
V-5 Transport Trycock Valve PCV-1 PB Regulator
V-6 15325 Gal Trycock Valve PCV-2 Economizer Regulator
V-8 Hose Drain Valve PCV-3 Road Relief Regulator
V-9 Hose Drain Valve PCV-4 Final Line Regulator
V-10 Li-1 Equalizer Valve SH-1 Jacket Safety
V-11 Li-1 Vapor Phase PP Pump Out Port
V-12 Li-1 Liquid Phase TC Vacuum Gauge Tube
V-13 Front Press. Gauge Iso. PB/C/VAP Pressure Build Coin Vap
V-14 Pump Suction Valve PL Pressure Gauge
V-15 Vapor Cooldown Valve PT Pressure Transmitter
V-16 Vapor Vent Valve LI Contents Gauge
V-17 Road Relief Isolation LT Contents Transmitter
V-18 PB Isolation Valve FT Flow Transmitter
V-19 Tank Evacuation Valve TCV-1 Temperature Control Valve
V-20 Tank Vacuum Gauge Valve TCV-2 Temperature Transmitter
V-21 Water Drain Valve (3) FCV-1 Fire Control Valve
V-22 Regulator Inlet Iso Valve FCV-2 Fire Control Valve
V-23 Regulator Outlet Iso Valve P-1 Fill Pump
V-24 Regulator Bypass Valve TT-1 Pump Temp. Transmitter
CV-1 PB Return Check Valve