

# LNG MOBILE REGASIFICATION TRAILER

## MOBILE STORAGE AND VAPORIZATION STATION

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### LNG Mobile Regasification Trailer

The LNG Mobile Regasification Trailer is designed to provide an uninterrupted supply of natural gas to power generator sets such as those used on Oil & Gas drill rigs and remote sites. 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 site while maintaining a minimum amount of LNG on board.

### PRODUCT HIGHLIGHTS

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- 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.

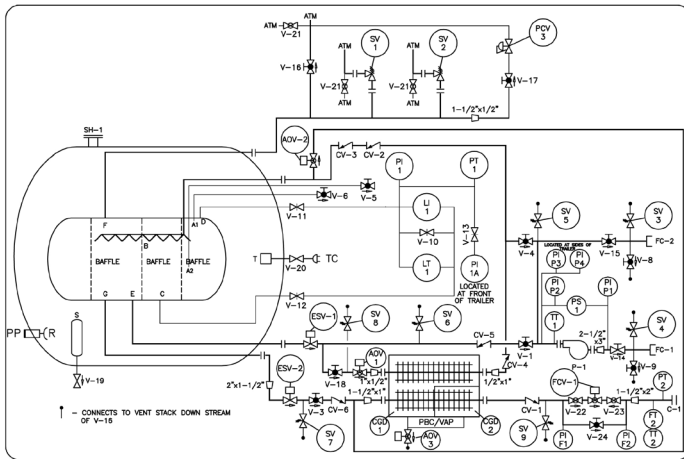


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| SPECIFICATIONS                              |  |
|---|--|
| Vaporizer Performance (2 Options)           | 150 kW unit with operating flow of 31,500 SCFH / 380 GPH*<br>280 kW unit with operating flow of 50,000 SCFH / 600 GPH    |
| Water Capacity                              | 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<br>Pump: 480V / 60Hz / 3Ph 12 amps<br>Electric Vaporizer/PB: 480V / 60 Hz / 3Ph |
| Design Codes                                | NFPA 59A<br>ASME Section VIII Division 1<br>USDOT MC-338   |

\* 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/VAP | Pressure Build Coil Vap   |
| V-14         | Pump Suction Valve         | PI     | 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    | TT-1   | 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      |        |                           |

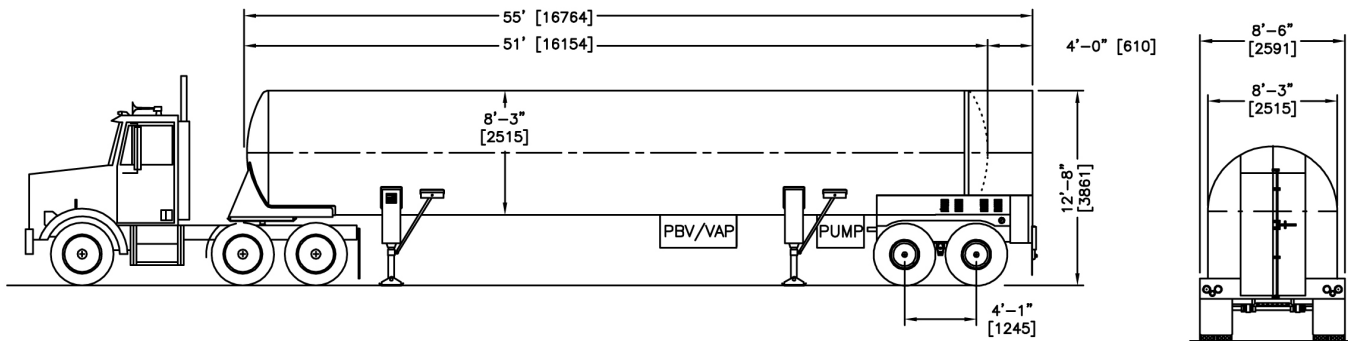


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