

HLNG VEHICLE TANKS

LNG VEHICLE TANK SYSTEMS



LNG Vehicle Fueling Systems

Chart is the world's leading producer of cryogenic cylinder tanks. The ISO 9001 certified facility in Canton, GA has produced over 1,000,000 stainless steel cylinders. That experience results in a high quality, safe, reliable LNG vehicle tank that will absorb the on-road abuse in heavy-duty vehicles.

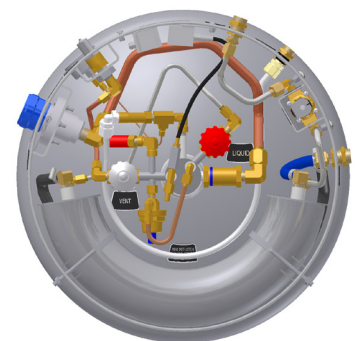
Currently, two main models are available for the European market, the UN R110 approved system in which the LNG vaporizer and automatic shut-off valve are installed inside the tank's shroud, and the previous TPED version in which those two components are external to the tank.

PRODUCT HIGHLIGHTS

- Uses approximately 2.7 times less space than CNG tanks
- 100% stainless steel, double wall tank construction
- Longest holding time in the industry
- Super insulation – vacuum & insulation wrapping
- Automatic pressure control thanks to an incorporated regulator
- Single hose-fill design and patented over-fill protection
- Manual fuel supply and vapor return valves
- Automatic fuel shut-off valve
- Automatic pressure relief valves (16 & 24 bar)
- Electronic fuel contents gauge
- Vaporization using engine coolant
- Customized solutions depending on customer needs
- Single or dual tank configurations available
- Designed, manufactured and certified in accordance to UN R110 or TPED. Other approvals available.



ECE R110: E4 110-R-010336 L



U.S. Patent no. 6,128,908 & Others Pending

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SPECIFICATIONS (EXAMPLES OF VARIOUS SIZES)

MODEL*	HLNG-52		HLNG-72		HLNG-119		HLNG-150	
Dimensions	in	mm	in	mm	in	mm	in	mm
Diameter	26	660	26	660	26	660	26	660
Length	41	1032	51	1286	76	1921	90	2296
Capacity	gal	ltr	gal	ltr	gal	ltr	gal	ltr
Net	45	170	65	246	108	410	135	511
Gross	52	196	73	272	120	450	149	564
Weight	lbs	kg	lbs	kg	lbs	kg	lbs	kg
Empty	342	155	406	184	525	238	635	288
Full**	498	226	633	287	904	410	1109	503

* Available in custom sizes from 1016 mm to 2591 mm in length for R110 tanks or up to 1,000 L capacity for TPED tanks.
Custom diameters are also available.

** Full weight calculations are based on 0,42 kg/ltr density LNG.

SPECIFICATIONS

- Inner & Outer Vessels – ASTM 304 Stainless Steel
- Plumbing Components – Stainless Steel & Brass
- Maximum Allowable Working Pressure (MAWP) – 16 barg
- Operating Pressure Range – 3,5-10 barg
- Single or dual tank configurations available

Chart designers will customize an on-board fuel system to meet your fleet vehicle needs.

