

With the continual demand for clean energy fuels, such as LNG and LH2, customers have come to rely on Crane Cryogenics™ for their Cryogenic Alternative Fuel piping needs. Crane Cryogenics provides equipment and service for both LNG and LH2 in transportation and distribution. Our piping and components are used along the entire supply chain including bulk storage, fuel stations, and offloading.

Liquified Natural Gas (LNG):

- Natural gas is liquified when it reaches -260°F (-162°C), in this state it is odorless, colorless, non-toxic, and non-corrosive.
- Considered to be the cleanest burning fossil fuel.
- Volume is 600x smaller than its gaseous form.
- It can be shipped and stored without high compression.
- Alternative fuel to diesel and other fossil fuels.
- High efficiency insulations play a key role in making the LNG supply chain economically feasible.
- Secondary containment pipe is offered to mitigate spill concerns.



LNG Vacuum Insulated Lines

Liquid Hydrogen (LH2):

- Hydrogen is liquified when it reaches -423.2°F (-162°C), in this state it is odorless and non toxic.
- Requires proper cryogenic storage and transferring to minimize product loss.
- Commonly used for storage and applications for Aerospace Defense and Alternative Fueling Stations.



Hydrogen Extended Fill Line

Applications:

- Industrial/Chemical Process Plants
- Marine Bunkering
- Liquefaction Plants
- Retail Filling Stations
- Fuel Cell Electric Vehicles (FCEVs)
- Vehicle Fuel Systems
- Rocket Engine Propellant

Additional Products Offered:

- Cryogenic Vacuum Insulated Piping (VIP)
- Extended fill lines
- Trailer hoses
- Containment piping
- Valves

Industries Served:



Transportation



Marine



Distribution



Hydrogen Fueling Station - Vacuum Insulated Cooling Lines