

WORLD-CLASS HYDROGEN STORAGE AND TRANSPORT

With over five decades of experience, Gardner Cryogenics professionals specialize in the design and manufacture of high-quality hydrogen storage tanks, tank containers, and trailers.



Like all of our equipment, these hydrogen transport and storage tanks are ruggedly built, ensuring peak performance under virtually all environmental conditions throughout the world. The tanks are built with Type 304 stainless steel internally and high-strength carbon steel externally, with designs customized to meet a wide variety of specifications.

These tanks also comply with a multitude of international standards, making them ideal for worldwide use. Stationary storage capacities range from 1,500 to 30,000 gallons and transport capacities range from 1,500 to 17,600 gallons.



**GARDNER
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HIGHLIGHTS

- Gardner's liquid hydrogen UN Portable tanks, with or without ISO frames, are the first to allow hydrogen service and are highly effective in road and ocean transport.
- Gardner was the first to provide 64,352 L (17,000 gal) hydrogen semitrailers for the U.S. and to achieve normal evaporation rates below 0.2% per day in hydrogen portable and stationary storage tanks.

PRIMARY PRODUCTS

- Liquid hydrogen storage tanks (customer stations) 11,356 L to 113,562 L (3,000 – 30,000 gal)
- Up to 18,927 L (5,000 gal) UN Portable tanks in 20 ft ISO frame
- Up to 41,640 L (11,000 gal) UN Portable tanks in 40 ft ISO frame with various pressure ratings and configurations
- Up to 53,250 L (14,067 gal) UN Portable tanks in swap body configuration tank containers
- Up to 66,625 L (17,600 gal) semitrailers with various pressure ratings and configurations

INDUSTRIES WE SERVE

Hydrogen is the most abundant element and is valuable as a raw material and renewable energy source. Used in the petroleum industry, and in the manufacturing processes for producing chemicals, foods, and electronics, hydrogen can be found in many industrial processes as it combines chemically with most elements. With zero emissions, hydrogen is becoming more prevalent in material handling applications. The increasing number of hydrogen vehicles has created a need for additional hydrogen fueling stations. Backed by industry expertise and safety, Gardner's cryogenic piping, trailers, and tanks provide a much-needed infrastructure for these applications.

TAKE THE NEXT STEP

You can get more information about our worldwide hydrogen storage and transport capabilities—and tell us *your* needs—by calling 610-266-3700. We'd like to put our technical artistry to work for you.

gardnercryo.com



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