

LH2 (Liquid Hydrogen) Application

With the continual demand for green energy fuels to reduce CO2 emissions, customers rely on CryoWorks for their LH2 (Liquid Hydrogen) application needs. CryoWorks provides safe and reliable equipment for the challenging transfer and storage of LH2. Our piping and components are used along the entire supply chain including liquefaction, bulk storage, fueling, and offloading.

CryoWorks Provides:

- Complex System Design & Engineering.
- Single Point of Contact Project Managers.
- Vacuum Insulated Piping Manufacturing.
- Experienced Sales Staff with Component and System Expertise.

Benefits/Features:

- Each spool section is factory evacuated prior to on-site delivery, minimizing field install time & cost.
- Built to ASME B31.3 or ASME B31.12 to ensure regulatory compliance.
- Vacuum Insulation reduces hazards associated with moisture and ice-build up that are often problems with non-insulated or foam insulated piping and hoses.
- Vacuum Insulated Pipe (VIP) insulates 50x better than foam insulation, and 200x better than bare pipe.
- Lean on our engineering and design expertise to reduce costly thermal expansion loops that can be eliminated with internal bellows.



Vacuum Insulated Pipe (VIP)



Vacuum Insulated Transfer Hose



Extended Fill Line Rigid and Flexible VIP

Related Products:

Vacuum Insulated Pipe (VIP) — Our VIP is the preferred method for transferring cryogenic liquids and is unmatched in safety, reliability, and cost-effectiveness. CryoWorks offers many variations of vacuum insulated piping, rigid pipe with internal expansion joints, rigid pipe with external expansion joints, flexible hoses, and full containment piping.

Vacuum Insulated Transfer Hoses — Our Vacuum Insulated Transfer Hoses are lightweight, extremely flexible, and thermally efficient. They provide faster, more consistent liquid delivery with a safe to touch jacket. Vacuum Insulated Transfer Hoses are designed for strenuous conditions and confined spaces.

Bayonets — Our Bayonet connections consist of a male and female connector that can be easily installed without any field welding or unique training. The tight-fitting male and female bayonet design provides a long heat path from the outer jacket to the inner pipe, creating a low heat leak connection. CryoWorks offers Close Tolerance Fit (CTF), Dissimilar Metal Tip (DMT), HQK (LH2 Linde Style), and F-Series (Flange Style) bayonet types.

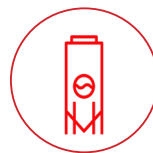
Industries Served:



Transportation



Launches



Manufacturing



Distribution