

Bayonet Connections

Bayonet connections provide a plug together mechanical joint for fast, easy field assembly of VJP spool sections.



Field Joints Connections

Welded Field Joints provide a vacuum insulated connection between VJP spool sections. Installation requires specialized welding & vacuum work.

Super Flex VJ Hose

SuperFlex VJ Hose stays warm and remains flexible during and after use. The armour flex construction increases durability and help eliminate frost and sweating for cleaner operation.



Keep-Cold

A mechanical venting device, located at the high point of the system, designed to remove GN2 which ensures "liquid on demand".

Vacuum Gauge Tube (DV-6R)

A device used to monitor vacuum levels in individual spool sections using a hand held digital meter.



VJ Valves

Vacuum insulated valves are built into the VJP system and provide low heat leak, ice free operation.

Internal Gas Traps

Internal gas traps are used at the vertical drops / use points and are designed to keep liquid Nitrogen from "sitting" on un-insulated valves or components. This eliminates ice and condensation from forming at the end of drops when LN2 is not flowing.

before



after



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Vacuum Jacketed Pipe

*Facilities, Legacy
Expertise
Responsiveness
Design Capabilities
Installation Service*



LNG APPLICATIONS

In LNG applications reduced boil-off gas (BOG) results in higher LNG flow over greater distances, less liquid losses and/or reduced reliquefaction. These will result in lower overall operating costs during the life of the facility. Manufactured in sections up to 80' long making for less field welded joints and only short field joint sections requiring insulation, the use of internal expansion joints can also greatly reduce or eliminate the necessity for expansion loops in the system.

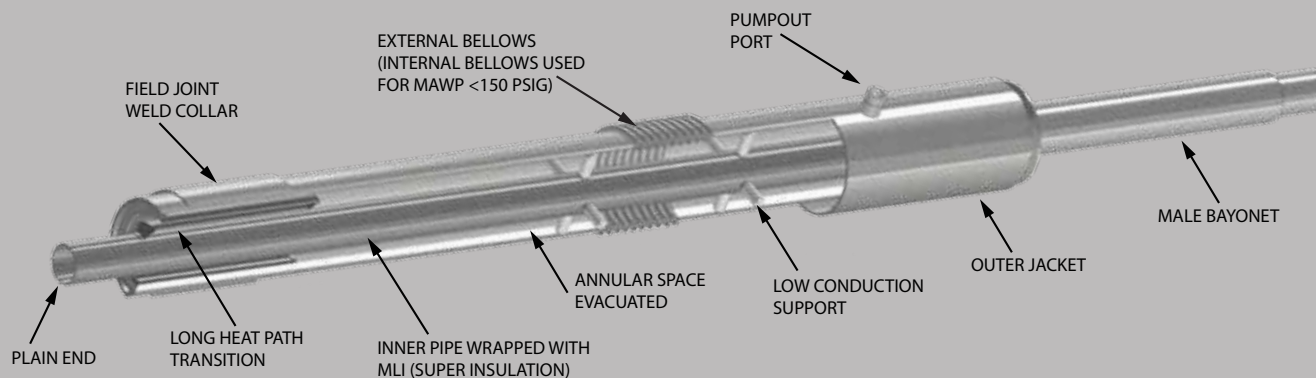


The most cost-effective way to transfer cryogenic liquids - Vacuum Jacketed Pipe (VJP) is the preferred piping solution for the safe, reliable, cost-effective transfer of cryogenic liquids. We make jacketed pipe with cryogenic insulation for liquefied Nitrogen, Oxygen, Argon, Helium, Natural Gas, Carbon Dioxide, Hydrogen and LNG — from storage tanks to final use point.

Each VJP project is managed by a sales engineer that has been trained in ASME B31.3 pipe design, cryogenic safety and VJP project management. As your insulated pipe suppliers, we can offer technical assistance for your pipe system design, as well as cryogenic valves and cryogenic fittings, regardless of your level of experience. Our sales engineers have over 80 years of combined experience with vacuum jacketed pipe and cryogenic hose design.

OUR INSTALLATION/FIELD SERVICE TEAM

Acme Cryogenics has a nationwide field service team that is available to install your VJ system. They are also trained in repairing existing systems and preventative maintenance on your current vacuum lines. Our standard warranty is doubled when your VJP system is installed by Acme's field service technicians.



Acme VJP

Acme Cryogenics designs, manufactures & installs Vacuum Insulated Piping systems for the transfer of cryogenic liquids. We offer a variety of VJP products and components designed to meet specific applications including: CryoBio Storage, Air Separation Plants, Food Freezing, Vacuum Chambers, Environmental Chambers, LNG Storage & Distribution, Pharmaceutical, Aerospace, Hydrogen Fueling, and Liquid Helium.

Acme Custom VJP



Custom designed Vacuum Insulated Piping systems and components to meet the most demanding Cryogenic applications.

Cryo-Fast

Laboratory grade, high efficiency VJP designed to quickly deliver LN2 for low flow applications with a limited LN2 supply source. Combine with Acme's VJ SuperFlex Hoses to provide frost free LN2 delivery from Dewar to your storage freezers.



Quik-Fab Modular VJP



When time is critical, Acme offers pre-engineered VJP with mechanical foam joints in a 1 – 2 week lead time. Modular sections are offered in various length straights, with VJ elbow and Tee sections, that can be assembled for a fast, low cost, low heat leak VJP solution.

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