

# CRANE

®

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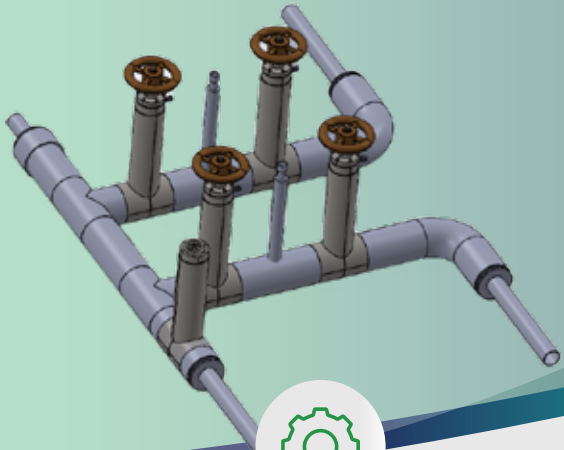
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HYDROG

## CRANE®

# Vacuum Jacketed Piping

## NEW!



### PERFORMANCE

Minimize product loss



### LEAD TIME

Unmatched quality and manufacturing agility.



### BESPOKE SOLUTIONS

Delivering best-in-class quote time

## What We Provide

Introducing CRANE® Vacuum Jacketed Piping, the industry's leading VJP system for reducing heat transfer and minimizing product loss, with innovative technology that ensures fast quotes and lead times.

Designed for all Cryogenic Applications (LN, LH<sub>2</sub>, LAR, LHe, and LNG).

Contact Us



[www.cranecpe.com](http://www.cranecpe.com)

# CRANE®

## VACUUM JACKETED STORAGE TANK FILL & WITHDRAWAL ASSEMBLY DETAILS

### Size Range

- ½" to 3" (Inner)

### Pressure Ratings

- 150 psi MAWP
- 300 psi MAWP

### Operating Option

- Manual
- Automated valves

### End Connection

- Field Weld Vacuum Joint
- Bayonet
- Equipment Mounting

### Assembly Configurations

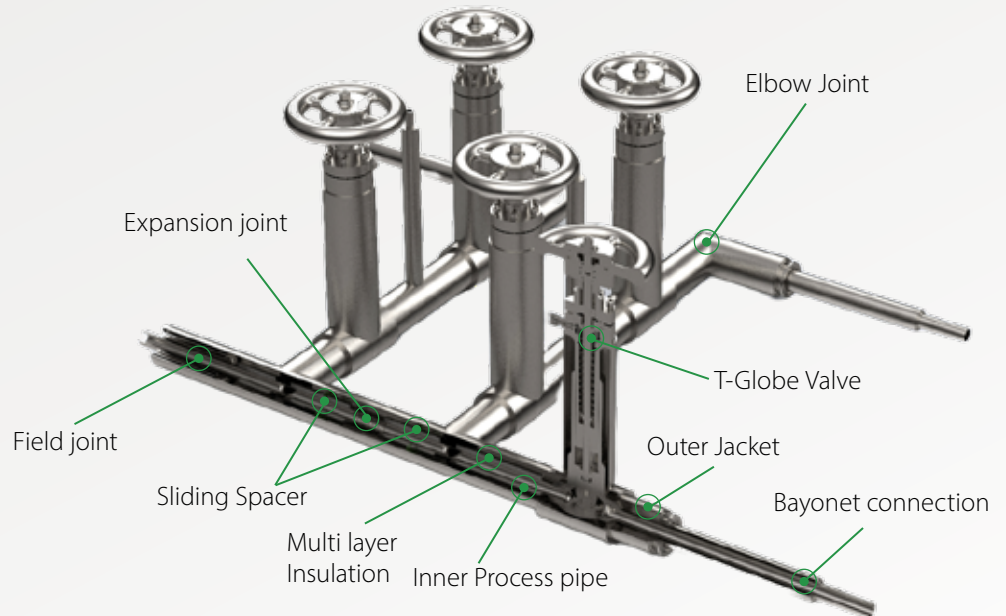
- Wide range of components available
- Designed for any footprint
- Customizable flow patterns

### Compliance

- MSS-SP-134
- ISO 15848
- ASME B31.3
- ASME B31.12
- Oxygen cleaned optional per CGA G-4.1

### Typical Applications

Production, transportation, transfer, and storage of Hydrogen and other cryogenics.



## Vacuum Jacketed Vs Foam Vs Uninsulated

Vacuum Jacketed systems are 75% more efficient than newly installed foam (95% more efficient than 5 year old foam), which itself is 97% more efficient than uninsulated systems.

