

# Insulon Vacuum Jacketed Hose with MLI

Insulon vacuum jacketed hoses are engineered for **cryogenic** and **high-temperature** applications from -270 to 900°C (-454 to 1652°F). Ultra-high performance models of Insulon Hose include proprietary **multi-layer insulation**. MLI is a series of thin, highly reflective layers of materials that reduce radiation heat transfer.

## Features & Benefits

- Minimizes boil off losses
- Reduces condensation
- Improves thermal energy efficiency
- Maintains safer surface temperatures
- Customizable end configurations
- 316L stainless steel construction
- Wide operating pressure range
- ASTM G93 oxygen cleanliness up to Level A available upon request

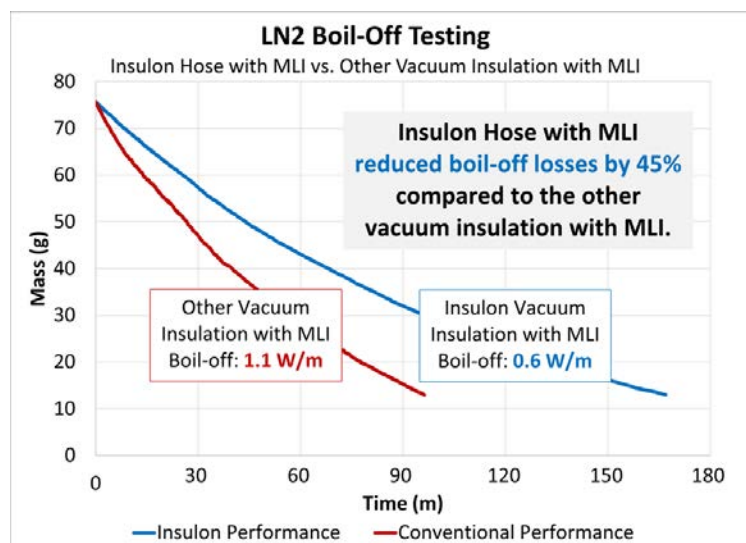
## Range of sizes

- Inner diameters include **1/4 in, 3/8 in, 1/2 in, 3/4 in, 1 in**
- Lengths up to **66 feet (20 meters)**

## Support

Engineering support available.  
Contact us to discuss your project.

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[conceptgroupllc.com](http://conceptgroupllc.com)



**Setup:** Two 1/2" ID x 6' L vacuum jacketed hoses are bent 180° into a "U" configuration. Both ends of each hose assembly are fixtured onto a load-cell. The hoses are filled with LN2. A DAQ system pulls data from both load cells to plot the mass loss of LN2 with respect to time.

