

NON-VACUUM JACKETED

Cryogenic Transfer Hose

Crane Cryogenics™ provides dependable, cost-effective transfer hose solutions for everyday cryogenic handling of liquid nitrogen, liquid argon, and liquid oxygen.

These lightweight hoses are ideal for medical systems, gas-filling operations, and cryobiology applications where frost control and maximum thermal efficiency are not essential.

Key features include:

- 1 Flexibility and Kink Resistance:** Ensures smooth handling and easy maneuverability, reducing operator fatigue and minimizing the risk of hose damage.
- 2 Stainless Steel Construction:** Provides long service life and reliable performance, even in harsh or repetitive-use cryogenic environments.
- 3 1000 PSI Maximum Working Pressure:** Supports demanding, high-pressure transfer applications, delivering consistent performance and added operational safety.



NON-VACUUM JACKETED Cryogenic Transfer Hose

Features and Benefits

- 1/2" Inside Diameter, 1" Outside Diameter
- Constructed of 300 Series Stainless Steel
- Exceptional Flexibility / Kink Resistant
- 1000 PSI (69 bar) Maximum Working Pressure
- Standard Lengths: 4, 5, 6, 8, 10 and 12 feet
- Stainless Steel End Fittings Available:

Standard Materials of Construction

- 321SS Inner & Outer Hose Material
- 304SS Outer Braiding and End Connections

Size Range

- Standard lengths:
 - 4' (1.2m)
 - 5' (1.5m)
 - 6' (1.8m)
 - 8' (2.4m)
 - 10' (3.0m)
 - 12' (3.6m)
- Custom lengths up to 60 feet (18 meters)

Temperature Range

- Standard: down to -320°F (-160°C)

Pressure Ratings

- MAWP up to 1000 psig (69 bar)

Standard End Connections

- JIC (dual flare), Plain, FNPT, MNPT
- All hose diameters offered with 1/2" end connections
- Other end connections available upon request
- CGA-295 compatible

Special Options

- 90° Stainless Steel Elbow to extend hose life
- Safety Relief Adapter
- Phase Separator to speed filling and control splashing
- High temperature hoses
- Oxygen Service Cleaning

Compliance

- Designed in accordance with B31.3

Typical Applications

- Medical Systems
- Gas Filling Plants
- Biotechnology
- Laboratory and research facilities
- Industrial Manufacturing
- Food Processing

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