



Foam Insulated LN₂ Transfer Lines

An economically and practical solution for transferring Liquid Nitrogen exists where double-wall insulated tubing is commercially available. This application eliminates the need for the more expensive and fixed Vacuum Jacketed alternative. Just simply cut and re-connect with compression fittings or solder joints. The foam can be slit, glued, and taped for seamless and frost-free joints.

General Specifications

Identifier:	Neocoil by Inaba Denko
Inside Tube:	OD Dimensioned Copper Refrigeration Tubing
Foam Jacket:	Double Wall PE with Polyethylene Outer Cover
Fire Retardant:	Per UL 94HF-1
Origin:	Japan or Thailand
Sizes Available:	See Table
Coil Length :	20-meter Carton Packed

Applications

Solid State Detectors, SEM, TEM, and TXRF
As a Cryogenic Gas Venting Header
Biological Storage and Preparation
Mobile and Temporary Laboratories

Available Sizes

NC-220-JE-20H	0.25-in x 20 mm Insulation
NC-320-JE-20H (note 1)	0.375-in x 20 mm Insulation
NC-420-JE-20H	0.50-in x 20 mm Insulation
NC-620Z-JE-20H	0.75-in x 20 mm Insulation

Note 1: In stock at KIC

Foam Insulated SSTL Pigtails

Custom made short sections (up to 5 meters) are offered as flexible Stainless Steel inner tubes with a 20 mm thick outer jacket. Ends are fitted with 0.25-inch or 0.375-inch plain ends with Phenolic transition caps. These Pigtails are a convenient and low-cost alternative to connecting biological refrigerators in series. Swagelok nuts or other terminations can be installed at KIC. These hoses are intended for low pressure service of 50 psi, or less.



Please consult with the KIC engineers regarding previous experience and custom designs. Contact KIC to request a free hose sample for evaluation