

Techniguard Vacuum Jacketed Pipe

Techniguard R-Series

High Efficiency, Rigid Vacuum Insulated Pipe



Installation Made Easy

- Simpler to install than foam covered pipe
- Standardized bayonets allow easier connections with B-Series and R-Series Vacuum Jacketed Pipe (VJP)
- No cryogenic piping experience is required for pipe insulation
- Standardized bayonets allow easy connections with Techniguard B-Series bendable VJP.

We Know Cryo™

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P R O D U C T S
Manufacturers of Cryogenic Equipment
www.technifab.com

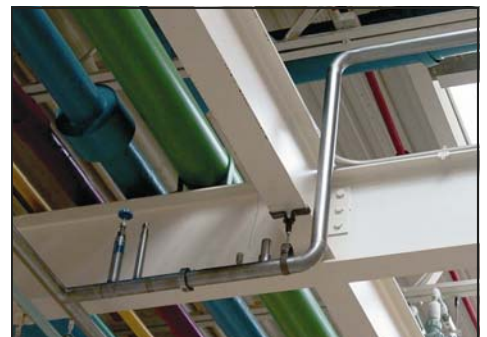
Features

- Provides minimal cryogen loss, delivering significant savings
- Provides the best maintenance free service life for delivering cryogenic product
- Low maintenance vacuum jacketed pipe doesn't require external vacuum pumps or system evacuation
- Close-tolerance bayonets eliminate the need for field evacuation and improve system reconfiguration if needed
- Provides an even lower heat leakage rate than bendable VJP
- Liquid nitrogen, CO₂, argon, and hydrogen ready; Liquid oxygen option is available.

Quality Assurance:

Techniguard piping and connections are fully guaranteed to be free of defects and are backed by a 10-year warranty, the best in the business.

Ask for details.



Techniguard R-Series Vacuum Jacketed Pipe

Techniguard Rigid Pipe Specifications

Model	Nominal Pipe Size	Outside Diameter in Inches (mm)	MAWP in psig (bar)	Weight lb/ft (kg/m)
R50	1/2" x 2"	2-3/8 (60)	150 (10.3)	2.2 (3.2)
R75	3/4" x 2"	2-3/8 (60)	150 (10.3)	2.3 (3.4)
R100	1" x 2-1/2"	2-7/8 (73)	150 (10.3)	3.4 (5.0)
R150	1-1/2" x 3"	3-1/2 (89)	150 (10.3)	4.3 (6.4)
R200	2" x 4"	4-1/2 (114)	150 (10.3)	5.5 (8.2)
R300	3" x 5"	5-7/32 (141)	150 (10.3)	9.4 (14)
R400	4" x 6"	6-5/8 (168)	150 (10.3)	11.5 (17)

Techniguard Rigid Vacuum Jacketed Pipe Construction

- Stainless steel inner and outer pipe construction for maximum strength and corrosion resistance
- A vacuum and multi-layer super insulation to create a low heat transfer rate to minimize cryogenic liquid boil-off
- Heated during evacuation to remove molecules that can outgas later
- Embedded getter materials to absorb outgassed molecules
- Standardized bayonet connections to provide a frost-free joint between cryogenic lines and simplified installation.

A variety of options are available to meet your specific needs including:

- Lengths and configurations to meet your needs
- Valves, vacuum gauges, and additional fittings for other options can be added to your section (spool) of VJP
- Choice of end connections
- ASME B31.3 and liquid oxygen certification available.



For over 16 years we've manufactured and installed vacuum jacketed pipe, transfer hoses, dewars, valves, and other cryogenic equipment.

We also provide the industry leading warranty and service to back it up.



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