Internal Gas Traps

Reduces Frosting When Equipment Is Not In Use

Internal gas traps are typically installed in vertical drops to liquid nitrogen use points with nonvacuum jacketed terminations. Rated at 150 psi (10 bar) for liquid nitrogen applications.

Benefits

• Reduction in Heat Leak:

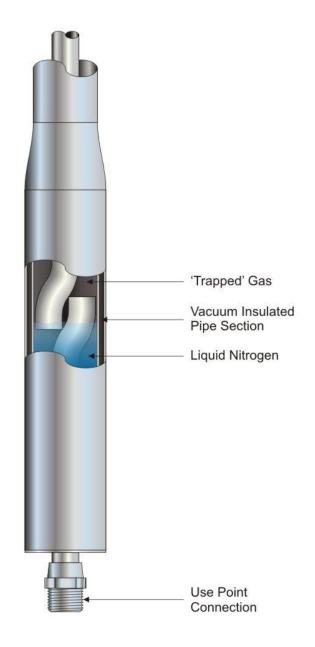
When liquid nitrogen is not flowing, the heat leak of a non-vacuum jacketed termination is about 200 BTU/hr (59 watts). With an internal gas trap, the heat leak is reduced to about 0.5 BTU/hr (.1 watts).

Reduces Ice:

When liquid nitrogen is not flowing, your nonvacuum jacketed terminations will drip and form an ice ball. With an internal gas trap this ice ball disappears.

How It Works

A gas trap fills the use point connection with gas instead of liquid nitrogen. The gas trap 'traps' a pocket of gas inside the line when the use point or the supply line is shut-off. The gas pocket prevents liquid nitrogen from reaching the nonvacuum jacketed tubing, allowing the connection to defrost when not in use.





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