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Sample – Multiple Layers of Insulation

The inner tube is wrapped with multiple layers of alternating aluminum foil, ceramic glass insulating paper, and fiberglass cloth providing radiation and conduction heat transfer barriers. The aluminum foil is chemically cleaned for high vacuum service. The ceramic paper between each layer of foil is "without" binders because these binders will outgas and contaminate the vacuum space. The fiberglass cloth is specially manufactured and chemically cleaned for high vacuum service.

