

VBS StatiFlex™



Vacuum Insulated LN₂
Flexible Piping Systems

StatiFlex™ VACUUM INSULATED FLEXIBLE PIPING

Engineered
to Last!

Eliminate Foam Insulated Pipe and Reduce Your LN₂ Consumption

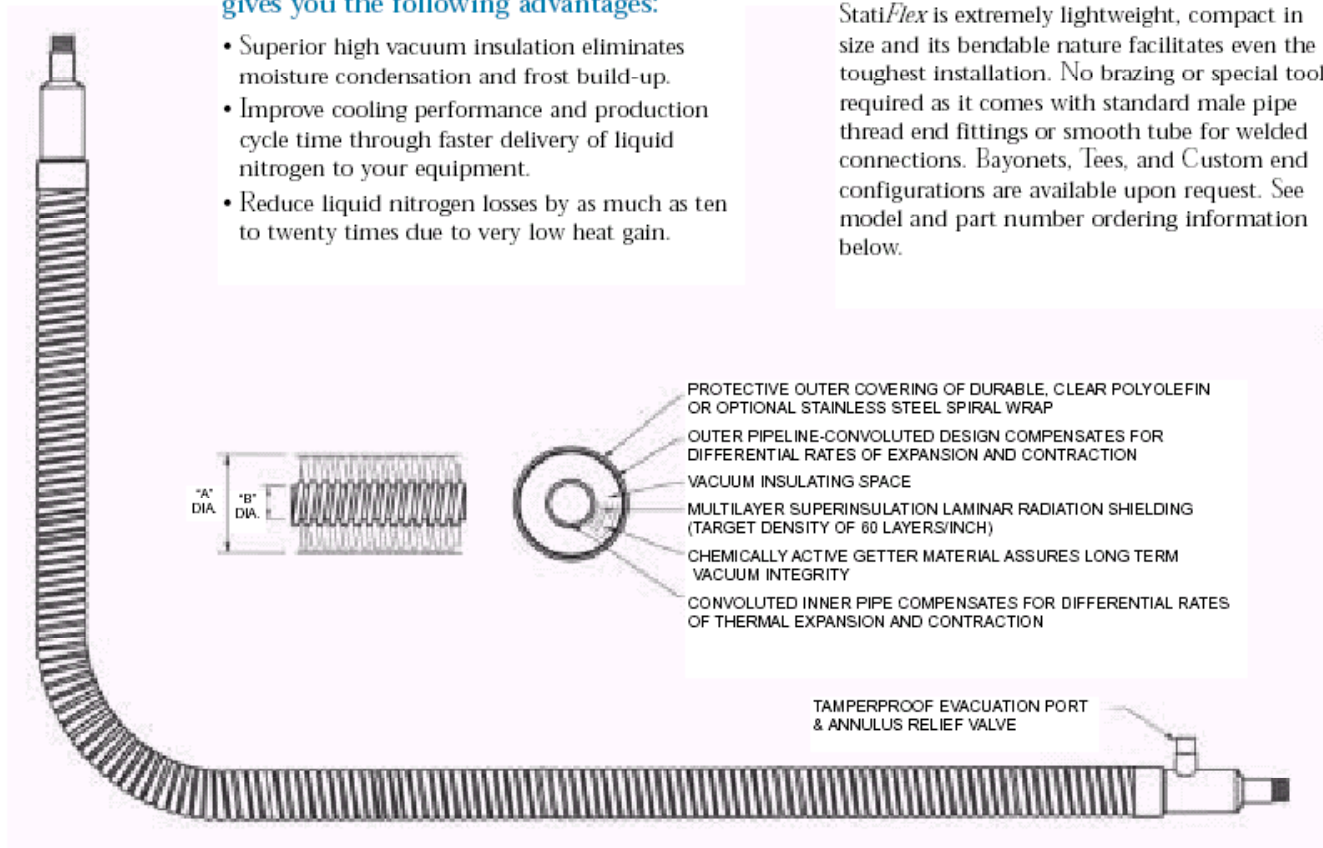
VBS is dedicated to creating the Very Best Solution for all your LN₂ distribution problems. StatiFlex is a part of the VBS family of cryogenic piping systems and is designed to replace antiquated, poor performing foam insulated copper lines. StatiFlex is ideal for connecting bulk liquid nitrogen tanks to equipment such as freezing tunnels, environmental temperature chambers, and other equipment requiring liquid nitrogen.

Introducing StatiFlex into your facility gives you the following advantages:

- Superior high vacuum insulation eliminates moisture condensation and frost build-up.
- Improve cooling performance and production cycle time through faster delivery of liquid nitrogen to your equipment.
- Reduce liquid nitrogen losses by as much as ten to twenty times due to very low heat gain.

Easy to install

StatiFlex is extremely lightweight, compact in size and its bendable nature facilitates even the toughest installation. No brazing or special tools required as it comes with standard male pipe thread end fittings or smooth tube for welded connections. Bayonets, Tees, and Custom end configurations are available upon request. See model and part number ordering information below.



Specifications

Model/PN (specify 'L' in feet)	D- 625-L	D-1250-L
End Terminations	1/2" M.P.T. or smooth tube	1" M.P.T. or smooth tube
Materials (of inner & outer pipe)	Stainless steel series 300	Stainless steel series 300
Outer Protective Covering	Polyolefin or s/s	Polyolefin or s/s
Outside Diameter ("A")	1.5" (38 mm)	2.5" (63 mm)
Inner Diameter ("B")	5/8" (15.8 mm)	1.25" (31.75 mm)
Minimum Bend Radius	18" (450 mm)	32" (813 mm)
Maximum Length (Single Line)	60' (18.3 meters)	50' (15.2 meters)
Operating Maximum Pressure	200 PSIG	125 PSIG
Operating Temperatures	+250°F to -320°F	+250°F to -320°F
Heat Leak	0.8 Btu/ft (0.8 watt/m)	1.6 Btu/ft (1.6 watt/m)
Weight	0.9 lb./ft (1.4 kg/m)	1.4 lb./ft (2.1 kg/m)

Leak Tightness: All StatiFlex lines are helium leak checked to 1 x 10⁻⁹ cc/se

Warranty: Three years covering quality of materials and workmanship

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