

DynaFlex™ VACUUM JACKETED FLEXIBLE PIPING.



Specifications

Model/PSI	D-625	D-1250/D-1250T*
End Terminations	1/2" M.P.T. or Bayonet	1" M.P.T. or Bayonet
Materials (of inner & outer pipe)	Stainless steel series 300	Stainless steel series 300
Outer Protective Covering	PVC or SS	PVC or SS
Outside Diameter	1.75" (44 mm)	2.70" (69 mm)
Inner Diameter	.625" (16 mm)	1.25" (32 mm)
Minimum Bend Radius	18" (457 mm)	32" (813 mm)
Maximum Length (Single Line)	100' (30.5 m)	100' (30.5 m)
Operating Maximum Pressure	200 PSIG	125 PSIG
Operating Temperatures	+250°F to -320°F	+250°F to -320°F
Heat Leak	0.8 Btu/hr (0.8 walthr)	1.6 Btu/hr (1.6 walthr)
Weight	0.9 lb/ft (1.4 kg/m)	1.4 lb/ft (2.1 kg/m)

Leak Tightness: All DynaFlex lines are helium leak checked to 1×10^{-4} cc/sec.

Warranty: Three years covering quality of materials and workmanship of pipe
 * D1250T piping has a smooth bore Teflon liner for high flow applications

The VBS Family of Products Include:

VBSFlex™ - a vacuum insulated, super flexible, stainless steel transfer hose. Ideal for hand filling small containers, connecting portable LN₂ dewar tanks to equipment and for equipment connections to pipelines.

ScanFlex™ - stainless steel bendable piping that is pre-evacuated at the factory. Used in applications where a vacuum pump is not practical or desirable.

PolyFlex™ Refrigerant Line - a vacuum insulated recirculating refrigerant line designed for use with mechanical compressor cooling systems.

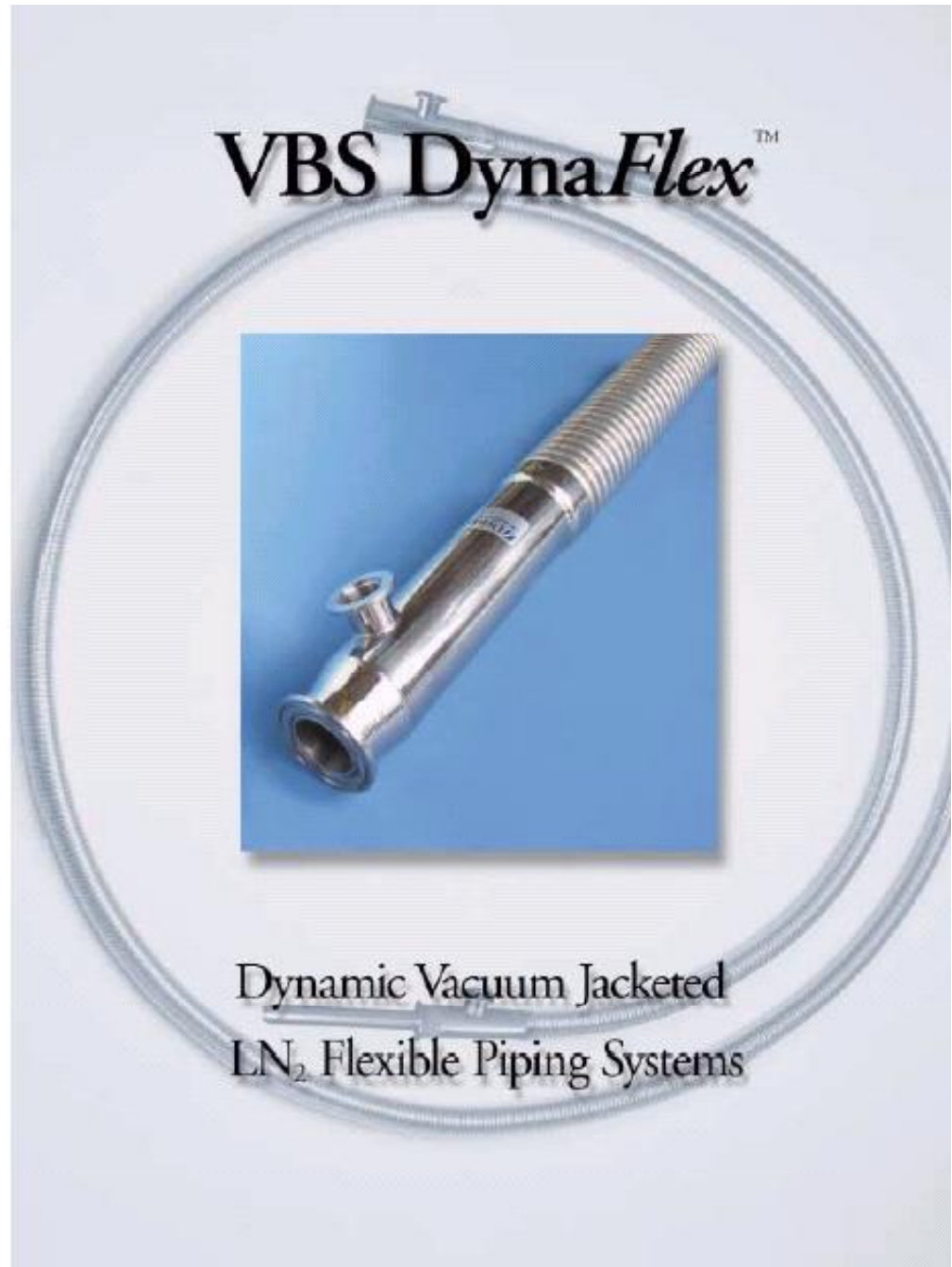
Automatic Fill Systems - ADF-10, an automatic dewar filling station for safe and efficient operation without employee supervision. **SafeFill™ System**, a patented design to automatically maintain liquid level in SEM/EDX LN₂ reservoirs.

LN₂ Injection Equipment - the LCI dosing system from VBS pressurizes and treats food and beverage containers.

Peco Controls – Europe Ltd
 13 Goodwood Road
 Keytec 7 Business Park
 Pershore
 WR10 2JL

Tel. 01386 556622

office@peco-europe.co.uk
www.peco-europe.co.uk



DynaFlex™ VACUUM JACKETED FLEXIBLE PIPING

Automate Your LN₂ Delivery and Improve Your Production Efficiency

VBS is dedicated to creating the *Very Best Solution* for all your LN₂ distribution problems. Stainless steel DynaFlex is a part of the VBS family of cryogenic piping systems and is designed to accommodate future growth and changes at your facility. DynaFlex is ideal for longer pipelines connecting bulk liquid nitrogen tanks to MBE's, Test Handlers, Environmental Temperature Chambers, Freezing Tunnels and other equipment requiring liquid nitrogen.

Introducing DynaFlex into your facility gives you the following advantages:

- Superior vacuum insulation conserves liquid and reduces operating costs.
- DynaFlex has the lowest cooldown loss of all commercially available LN₂ pipes.
- Improve performance and production cycle time through faster delivery of liquid nitrogen to your equipment.
- Replace inefficient from insulated piping and dramatically reduce your monthly LN₂ bill.
- Eliminate the manual labor and safety hazards involved with the handling of portable LN₂ tanks (cylinders).
- All welded construction of stainless steel DynaFlex eliminates the pinhole porosity vacuum leaks and braze joint failures common to copper vacuum insulated piping systems.

Easy to Install

DynaFlex is extremely lightweight and compact in size. Its bendable nature facilitates even the toughest installation. DynaFlex has efficient frost free bayonet fittings which allow pipe sections to be easily joined in the field. No welding or special tools are required.

Tees, crosses, elbows and efficient gas trap ends are all standard components of a DynaFlex system. Modular design ensures 100% re-usability of all pipe sections for future additions or remodels. Time to expand? A tee can be easily inserted at any bayonet connection on a DynaFlex system.

