

Application

Environmental Compliance
Lycra Spinning Machines O₂

Location

Maydown, Northern Ireland

Maintain Temperature

10°C above ambient

Product

O'Brien Electric Traced
TRACEPAK[®] Bundle

A single 5/8" diameter PFA Teflon tube was selected for the sample line because of the long length and sample size needed. Pressure drop along the 100 meter length was also a consideration because of the associated temperature change it would create.

The heater used was a 5 watt/foot self regulating freeze protection heater approved for use in Zone 1 Hazardous area. The metal braid over the heater required for Zone 1 approval was protected from the corrosive atmosphere by a full fluoropolymer outer jacket. Without this outer jacket the metal braid would have been exposed to the corrosive atmosphere at each end and earthing protection and safety would eventually be compromised.

TPU jacket was also selected over PVC because of its excellent resistance to aromatic hydrocarbons.