

Application

Process Sample System
Butadiene

Location

Copene, Brazil

Maintain Temperature

45 - 70°C

Product

O'Brien Electric Traced
TRACEPAK[®] Bundle

Butadiene poses particular temperature maintenance problems; below 45°C components will condense out of the stream, above 70°C and a reaction takes place creating polymerized globules (small jelly like balls) clogging the line.

The solution came from using a nominal 10 watt/foot self regulating freeze protection heater. With a low ambient temperature of 20°C we were able to maintain the process lines between 50 and 60°C without thermostats or external control.