



Introduction

Fluxo (PTY) Ltd is a wholly owned and specializes in the design, manufacture and supply of electrical and electronic equipment for use in hazardous areas applicable to most international standards. Fluxo is based in Johannesburg, South Africa and is dedicated to serving the industrial markets in South Africa and Sub-Saharan Africa.

Profile

FLUXO designs and manufactures electric heating elements for industrial heating applications. Fluxo offers a complete heat engineering package. We will calculate, design, document and manufacture a complete thermal system with heater, temperature sensor, temperature controller and SCR power switches.

The company is known for excellent customer service and our ongoing success ultimately comes from a desire to work with our clients in strong partnerships towards solutions.

At FLUXO we realize it is only through answering your questions and solving your heating problems that we all gain a sense of satisfaction and pleasure from doing a job well.

Fluxo is capable of producing units for a wide range of Industrial heating applications and solutions, some of the core products are:

- Ceramic withdrawable heating elements.
- Products flowing through pipes or stored in vessels, often benefit from using Self-Regulating heating tapes, Constants wattage heating tapes or high temperature mineral insulated electric trace heating cable.
- Digital Temperature controllers are a new class of instruments that combine temperature, process and machine control, over- and under-temperature limit protection and high amperage power switching.
- Flanged heaters
- Band Heaters, Micro heaters, etc
- Thermocouples
- Temperature Controllers & amp; Temperature Panels
- Flameproof enclosures, "Exd", "Exe" and " Ex " Certified equipment

Electrical Trace Heating EX equipment & Industrial Temperature Solutions





HEATING TAPES



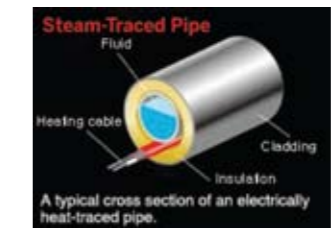
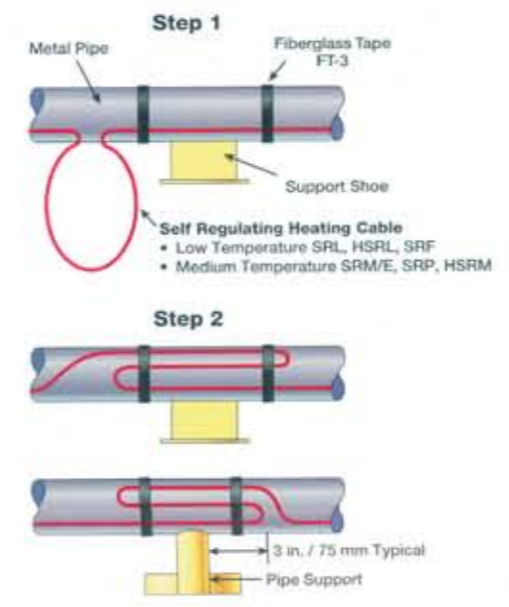
TERMINATION KITS



EX JUNCTION BOXES



EX THERMOSTAT CAPILLARY

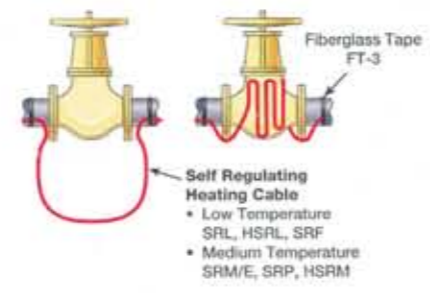
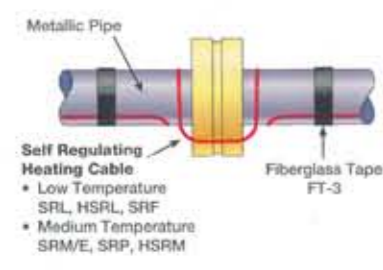
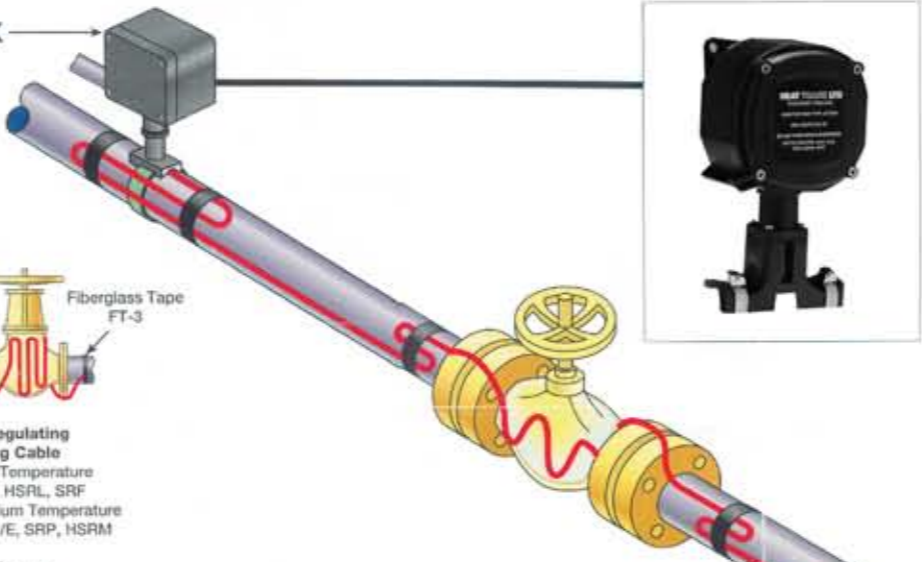


Electric Surface / Trace Heating is an application of a compensating heat source to a pipe, surface or vessel, to maintain a specified temperature.

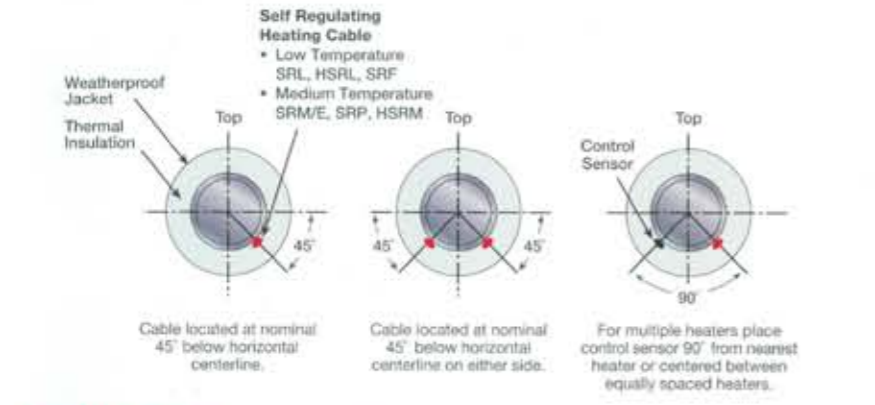
Heat Tracing replaces the losses of heat from a surface, to allow temperature maintenance of the product, which thermal insulation alone cannot maintain.



Power Connection Box (UPC)



Heating Cable/Sensor Location

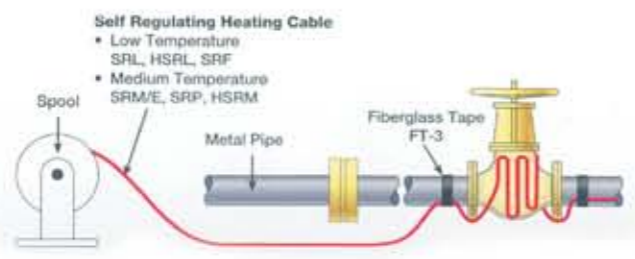


Note: Aluminum tape must be used under or over heating cable to spread heat transfer.

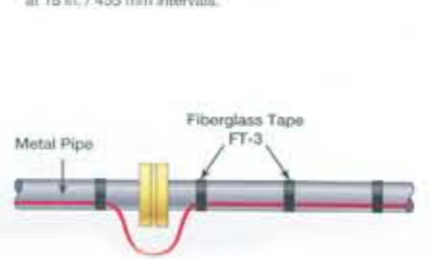
Installation Tips

- Temporarily position cable on pipe and equipment to ensure proper distribution.
- Leave a loop of cable at heat sinks such as valves, pipe supports and flange sets. Use FT-3 fiberglass tape to secure cable to pipe at 18 in. / 455 mm (nom) intervals using recommended method.
- Always observe minimum bend radius.

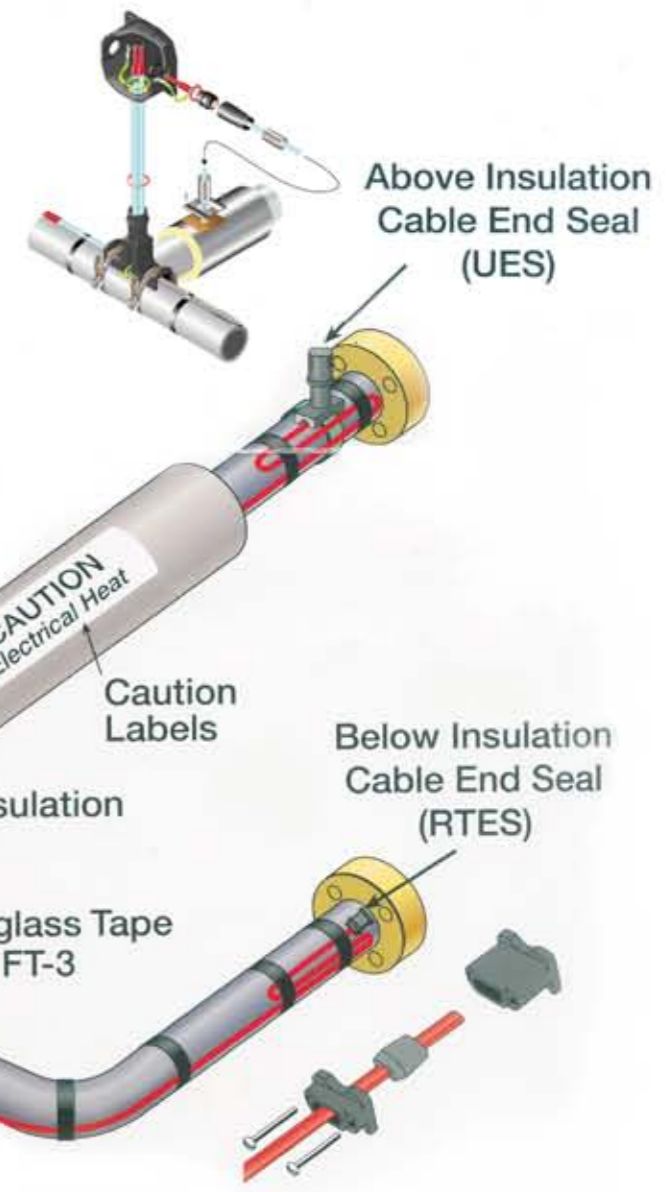
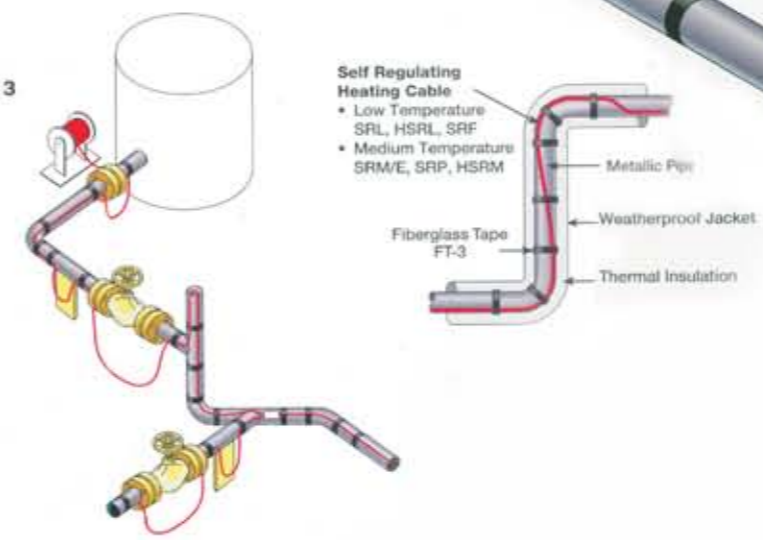
Step 1 Start tracing at the end of the pipe and work your way back to spool.



Step 2 Leave a loop of cable at heat sinks such as valves, pipe supports and flange sets. Use FT-3 fiberglass tape to secure cable to pipe at 18 in. / 455 mm intervals.



Step 3



FLUXO specialise in electric heat tracing, industrial heaters (for hazardous zones as well), hazardous area equipment like control units and enclosures. We represent Heat Trace / Chromalox in South Africa.

Heat Trace / Chromalox is a world leading manufacturer and technologist in industrial heating, heat trace and equipment and control.

- Equipment that may be of interest to the industrial division are:
- A standard design of immersion heaters (flange and screw plug).
 - Electrical Trace Heating.
 - Industrial Heaters, etc