

Basic Installation Instructions.

Before installation of heating tape make sure the pipe and fittings to be traced are;

- Clean.
- Have no sharp objects (especially weld splatter) that could damage the heating tape.
- Have no leaks (leaks should be fixed before tracing).

Installation Commencement.

Thermostats

Locate positions for thermostats mounting. Make sure the location is suitable not only for the trace heating tape but also for access at a later date, electrical supply installation & site manager's preferences. If all ok fix thermostats.

Heating Tape

Locate the position where the heating tape back (remote) end will be.

Starting from the thermostat leave 1m of heating tape for final connection into thermostat.

Fix the heating tape to the pipe below the thermostat bracket and run the heating tape along the pipe.

Keep the heating tape at slightly of centre at the bottom of the pipe (5 o'clock).

Fix into position at aproximatly 300mm spacing.

Around bends always try to fit the heating tape around the outside of the bend, to give the longest path.

At flanges if possible a small loop of heating tape should be allowed (enough for future work on flange) make sure the heating tape is not across the bottom of the flange but at aproximatly 4 o'clock or 8 o'clock, this is in case of leaks form the flange.

At larger objects like pumps a loop of heating tape should be fitted to allow for work on the pump at a later date.

CAUTION: WHEN FITTING & LOOPING HEATING TAPE NEVER ALLOW THE HEATING TAPE TO BE IN CONTACT WITH ITSELF.

When reaching the end of the run cut off heating tape and terminate back end.

At the thermostat terminate heating tape and test. Fit to thermostat.

Testing

Testing should be measured under normal dry conditions and before connection to the thermostat.

Insulation test is by means of a tester using d.c. Voltage within the range 80 v to 500v. The insulation resistance should be not less than 0.1mΩ.Km.

Unit resistance should be within 10% of nominal value.

$$\text{Watts} = \frac{\text{rated volts} \times \text{rated volts}}{\text{Resistance}}$$

FOR FURTHER INFORMATION PLEASE REFER TO BS 6351 PART 3

IF YOU ARE NOT SURE STOP AND SEEK ASSISTANCE