



# Silicone Heaters Pre-formed and Assemblies

- Full Design and Manufacturing Service
- Custom Design
- Etch Foil and Wire Wound Technology
- Precise Even Heating
- Flexible and Lightweight
- Moisture and Chemical Resistant
- Wide Temperature Range  
-60 to +230°C
- UL and VDE Approval available
- 3-5 Day Delivery



- Quality Assured
- Dedicated Design
- Cost Effective
- Express Delivery



ISO 9001:2008  
FM 558985

UL and VDE approved manufacturing facilities

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## Advantages:

Silicone heaters are suitable for applications where precise and intimate heating is required. Being thin and lightweight, silicone heater mats have a low thermal mass and hence have rapid heat up characteristics and fast response to temperature control.

Silicone's wide operating temperature range of  $-60$  to  $+230^{\circ}\text{C}$  and superb electrical properties give it a distinct advantage over other forms of heating.

In applications where a heater mat is required to fit small diameter pipe-work a more precise fit can be obtained by using the pre-formed option. T&D can form and vulcanize silicone heaters to fit full or partial circumference of any pipe diameter. These heaters can be supplied with separate straps for fixing or can be permanently installed using room temperature vulcanising silicone adhesive or self adhesive systems.

We can provide a factory fitting service for assembly of silicone heaters to customer components using vulcanization or self adhesive methods. We have many years experience of fitting to complicated pipe-work, plates, tanks and many other forms.



## Service and Design:

Providing the full design service T&D can manufacture virtually any shape and size heater coupled with short delivery times of 3-5 days. From prototype to production, spares and problem solving, we cover the full spectrum.

## Thermal Control:

An extensive range of thermal control devices can be incorporated onto the heaters, these include thermocouples, platinum sensors and limit switches. Pockets and housings can also be applied enabling the client to install their own control devices such as PT100's and capillary thermostats.