



Bobbin heaters are constructed using the several refractory ceramic blocks assembled together to the required length. Ceramic Bobbin heater consist of 80/20 nickel chrome resistance wire supported on refractory insulators and connected to a terminal block at one end. The element flex to allow easy installation and handling. They are normally manufactured for horizontal mounting, but maybe specially designed constructed for vertical installation. Ceramic Bobbin Heaters are used for direct heating of air and indirect heating of liquids. It is inserted into a thermowell, it offers a large heated area to the liquid or semi-solid to be heated. Material such as oil, wax, fats and bitumen requires low heating surface temperature to prevent

product degradation. The ideal feature of the Ceramic bobbin heater is that it may be removed for repair or replacement of element without draining the contents of a vessel. Wide range of lengths, voltages and powers is available to meet customers' specific requirement.

Application

For indirect heating of liquids and gases where the element is fitted into a pocket in the process tank or system. These are installed in large storage tanks so that the element may be replaced without draining down the system or vessel.

- Pre-heating bitumen road pavement
- Oil purification industry
- Degreasing for metal stamping industry
- Wax softener
- Shrink Packaging Machine
- Lamination Industry
- Drying Textile
- Curing Rubber
- Glass Bending / Glass Toughening
- Industrial washing machines
- Furnaces
- Baking ovens
- Scientific and lab equipment

Material Sheath Selection

- Incoloy
- Stainless Steel 304
- Stainless Steel 316 L
- Titanium