

ESSBEE  
HEATERS



An ISO 9001:2015 Certified Company



# Ess Bee Heaters Pvt. Ltd.

→ Quality is our Tradition

ESSBEE



Website [www.essbeeheaters.com](http://www.essbeeheaters.com)

## About US

### Mfrs. of All Kinds of Industrial Heaters & Heating Elements

#### Also Import of All Types of

- Shortwave IR Heater • Ceramic IR Heaters • Coil Heaters • Indl. Hot Gun Elements Etc

We are leading manufacturer and pioneer in the field of Domestic and Industrial Heating Elements with an in-depth knowledge of improved technology, thereby winning the trust of customers for high efficiency in heating and best performance of their equipments and machines.

We offer a wide range of Domestic elements for home appliances, Industrial Immersion heaters for Oil, Water, Chemical, Cartridge Heaters for moulds and dies, Coil & manifold heater for hot runner moulds, Tubular/Finned Air Heaters/Casted Heating Units, Mica & Ceramic Band etc.

Customer's satisfaction is our motto and we define quality as customer satisfaction right from inter selection of materials to final assembly, rigorous testing is done at each stage in our fully equipped laboratory confirming to international standards.

We are regularly serving the OEM's, Food processing units, Textiles, Plastic, Rubber, Chemical & Pharmaceutical Industries, Electroplating, Industries, Fertilizer Plants, Pet Industries, Foam plant industries, Cooler Honey Pad Industries and Packaging Industries.

With our numerous types of tailor made heaters we have contributed for Foreign Exchange Savings by Producing Import Substitutes for the Industry.

## Mani Fold Heaters

### Tubular/ Flexible Mani Fold Heaters

**Ess Bee** Tubular & Flexible Mani Fold heaters are custom made using 6mm, 7mm & 8mm Diameter. SS 316 & Incoloy. Ess Bee Heaters are also available in different Dia/Flat/Square pipe with threaded stud & Lead wire termination.





## Immersion Heaters

### Water/ Oil & Chemical Immersion Heaters

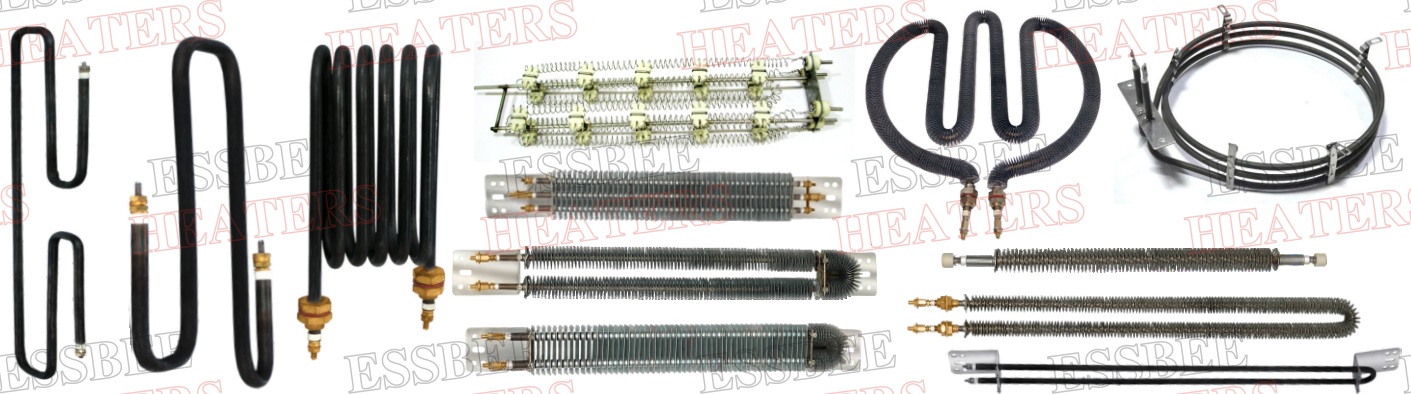
**Ess Bee** Immersion Heaters are designed to suit a variety of Liquid, Non-Flame-Proof gas heating applications and designed to operate efficiently, to ensure long life and to meet the need of Industry. Our Chemical Immersion Heaters covered in Glass, M.S. S.S., Silica, Titanium Tubes and steel Lead covered are suitable for horizontal and vertical mounting in vessels containing such liquid as water, oil, Pitch or Acid.



## Air Heaters

### Tubular/ Finned Heaters

**Ess Bee** Tubular and Finned Rod Elements are used in various Industries and Domestic Equipments where heating is required. The range of Sheath materials being used for various Incoloy, Stainless Steel (Various Grades), Inconel, Monel, Etc. The Fins are fitted to ensure good's surface contact and a highly efficient transfer of heat and it may carry a higher loading and would be considered safe than on the plain rod element. Air Heating Elements are almost invariably used in the low temperature heating of Air (and other gases) for Air conditioning Plant, Industrial Drying Plant etc.



## Mica Band & Nozzle Heaters

### Nozzle Mica/ Coil Nozzle/ Sealed Nozzle/ Ring Type

**Ess Bee** offers a high performance heater which has many advantages, it can perform efficiently even where polymers pillage is a regular feature. Ess Bee Mica insulated band heaters are efficient and economical solutions to the heating requirements of many applications with different electrical termination styles, clamping mechanisms and ability to accommodate holes and cutouts.

Ess Bee Nozzle Heaters are hermetically sealed for liquid plastic during the manufacturing process. The connection between the heating element and the leads is protected by a special fitting made of brass/ SS 1 mm thick, without welding which allows a high mechanical strength in the most delicate area of the heaters.



## Ceramic Band Heater

**Ess Bee** Ceramic band heaters are medium-to-high temperature heaters. These durable heaters have in-built ceramic fibre jackets that make them 30% energy efficient. Ceramic band heaters are available with different terminal styles, are fully flexible, and can accommodate holes and cut-outs.





## Coil Heaters

**Ess Bee** Coil Heaters are used for plastic processing industries & hot runner moulds. Ess Bee's wide range of coil heaters is available in different sizes & wattage ready in stock. Cross section available 3 mm X 3.3 mm & 2.2 X 4 mm & optional built-in thermocouple for high resolution temperature measuring (J Type Standard, K-type on request)



## Cartridge Heaters

### High Watt Density/ Low Watt Density / D Type

**Ess Bee** CARTRIDGE HEATERS are used where localised heating is required. Cartridge heaters are used as in Dies, Moulds and Platens including machinery.

- Ess Bee manufacture Cartridge Heater in different sizes and sheathing material as per requirement.
- Standard Ess Bee Cartridge heaters are not intended for immersion, but we make suitable Immersion Cartridge heater also.
- Ess Bee High Density Cartridge Heater's heating coil is wound around a ceramic core & isolated from the outer sheet through layer of highly compressed MGO.



## Casting Heaters

### Aluminium/ Brass/ Cast Iron Heaters

Ess Bee make Casted Heaters are reliable with gear mechanical strength having excellent thermal conductivity with evenness of heating over barrel or any required place. These are accurately machined to ensure perfect fit on the barrel. Design can be worked on the basis of your written Specification, Drawing or Samples.





## Strip & Porcelin Heaters

### Strip, Strip Finnd, hot air gun & porcelain heaters SIC Heating Elements

**Ess Bee Hot Air Gun** & Porcelain/ Alumina Heaters are used for high air heating purpose. These heaters are suitable for filament yarn, Pharmaceutical & Shoe Machinery etc.

**Ess Bee** mica insulated strip heaters are economical heat sources, suitable for providing heat to flat surfaces. MICA STRIP HEATERS are available in many electrical termination styles and can accommodate holes and cutouts.

**Ess Bee** SIC Heating Elements Can Reach 600 Which Can Be Used For Electric Furnaces & Electric Tunnels.



## Infrared Heaters

- ◆ Short Wave IR Heaters
- ◆ Medium Wave IR Heaters & Silica Heaters
- ◆ Ceramic IR Heaters & Quartz Box Heaters

**Ess Bee** shortwave I.R. lamp consists of a coiled tungsten filament in a quartz tube. A combination of a halogen gas and Argon is present in the tube. The diameter of the filament is less than the diameter of the quartz tube. So, spacers/support rings are used to keep the filament in the centre of the tube. This prevents the filament from coming in direct contact with the tube.

The nominal working life of I.R. lamps is 5000 hours. Care must be taken that they are not subjected to severe vibrations and mechanical shocks.

**Ess Bee** Ceramic infrared heaters are manufactured with three basic emitter faces: Concave, Flat and Convex. The concave surface will emit a "concentrated" radiant pattern which is highly effective when zone heating is desired as well as radiant heating in general. Flat surface emitters will produce a "uniform" pattern for even heating at a close proximity between the emitter and the target being heated.



**Ess Bee Heaters Pvt. Ltd.**

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