



SUBHOT[®]

INDUSTRIAL HEATERS

Specialist in : Custom Built Heaters &
Heater Assembly Unit along-with
Temperature Controller as per
Customer's Specification



AN ISO 9001:2015 COMPANY



Company Profile

"SUBHOT" the brand name of **Three Decades Rich**, quality oriented and completely indigenously manufactured IEC standard product since 1990, we are catering successfully to domestic and international Industries. We design develop and supply industrial heaters, heating elements, thermocouples and other high temperature Material Management equipments as per the customer's requirement. We have in house Design, Development & research facilities, follows by stringent quality control measures right from beginning to delivery of the material. Customer satisfaction is our first priority.

We manufacture various types of Tubular Electrical Heaters and heating systems, along with control accessories Cartridge Heaters, Mica Band Heaters, Ceramic Band Heaters, Casted Heaters, Furnace Heaters, Nozzle Heaters, Coil heaters, which are used in Hazardous and Non Hazardous area. In Tubular Electrical heater Heating element is Mineral filled sheathed tubular type. Heating element Insulation material used is Mgo (Magnesium oxide) and heating element wire material is Nichrome. Heating elements are manufactured and tested as per IS-4159 BIS Standards. Electrical heaters are suitable for application for Water, Oil, Chemical, Air, Fuel gas, Natural gases etc and Design as per requirement of customer based on the technical input provided by them. Heating unit consist of Heater vessel, Heater bundle, Terminal box, and U-Shaped heating element fitted on Tube sheet .The selection of heating element for a particular assembly depends on the uses & customers requirement total rating, surface loading, diameter of heating element tube, Operating temperature, space limitation, Type of electrical connection and number of bank etc. The heating element can be permanently fixed on tube sheet OR Can be removable type. Various Sheath material and sizes are available based on design requirement. The heating unit can be supplies Complete with Heater Vessel, Inlet-Outlet Nozzle/Flange, Lug Support and external insulation.

Heater vessels are generally designed as per ASME SecVIII Div-1. For Hazardous area flameproof terminal box are used which are duly certified by CMRI Dhanabad for Gas group IIA, IIB or IIC.

We are also manufacturing the following product at our works:

- Immersion heating elements for Water, Oil and Chemical heating.
- Air Heating element
- Fuel gas and Process gas heater.
- Regeneration heaters.
- Large heating unit upto 520KW with terminal box and control panel.
- Heater for ESP and Ash handling system.
- Cartridge Heaters
- Mica Band Heaters
- Ceramic Band Heaters
- Casted Heaters
- Furnace Heaters



Size of heating tube: 8.2mm, 9.5mm, 11.0mm, 12.0mm, 12.5mm, and 16.0mm, 19.0 mm or as per customer requirement.

MOC of Heating Tube: Copper, Titanium, SS all grade, Incoloy 800, Inconel etc.

Sizing of Tube Sheet: As per design requirement.

Sizing of Heater Vessel: As per design requirement.



Thermocouple: J & K Type own make in SS all grade and Incoloy.

ABOUT US

Subhot Enterprises with the Honoring Three Decades of Excellence in Industrial Heating Solutions.

Subhot Enterprises situated in the Ghaziabad is a revolutionary leading heater manufacturing company in the field of industrial heating solutions, Celebrating its 31st years since it was founded in 1993 and its main office is also located in Ghaziabad, the company has been leading the way in providing excellent products and services. Subhot Enterprises was founded to provide the extensive selection of Industrial heaters, Cartridge Heaters & tubular heaters, and other innovative items. The business takes pleasure in providing efficient and prompt delivery while attending to the various needs of its customers.

Subhot Enterprises is a diverse corporation that engages in manufacturing, exporting, and providing services. The company has gained recognition and praise in the industry as a result of its dedication to quality and innovation.

The foundation of M/s Subhot Enterprises was laid by the visionary Dr. Subhash Gupta (Chairman) in the year 1993. Dr. Subhash Gupta is also Chairman of the Red Cross Society  and associated with the Rotary  District 3012 & other different social organizations and in the most recent he has been appointed as member in the labor surveillance committee by the Ministry of labor state government. "As we reflect on the past three decades, we are grateful for the trust our customers have placed on us. Dr. Gupta stated in response to the milestone. Subhot Enterprises is still committed to social responsibility, innovation, and quality. We are eager to carry on with our mission of giving our cherished clientele unmatched solutions." Representing the second generation, Mr. Dhawal Gupta has skillfully continued the history, fostering Subhot Enterprises' ongoing expansion and prosperity.

Subhot Enterprises extends an invitation to all partners, clients, and stakeholders to join in commemorating this incredible accomplishment. The business thanks everyone for their support over the years and reiterates its dedication to providing high-quality goods and services.



Coil & Mica Nozzle Heaters

Subhot industries offer high performance Coil and Mica based nozzle heaters with & without thermocouple provided. The high quality of the product is the end result of continuous evolution owing to in-house research and inbound feedback from our National and international partners.



Hot Runner Heaters & Sealed Coil Heaters

Subhot coil heaters are used for plastic processing industries & hot runner moulds. **Subhot's** wide range of coil heaters is available in different sizes is ready stock, Cross section available 3mm x 3.3mm & 2.2x 4.2mm & optional built-in thermocouple for high resolution temperature measuring.



Ceramic Band Heaters

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



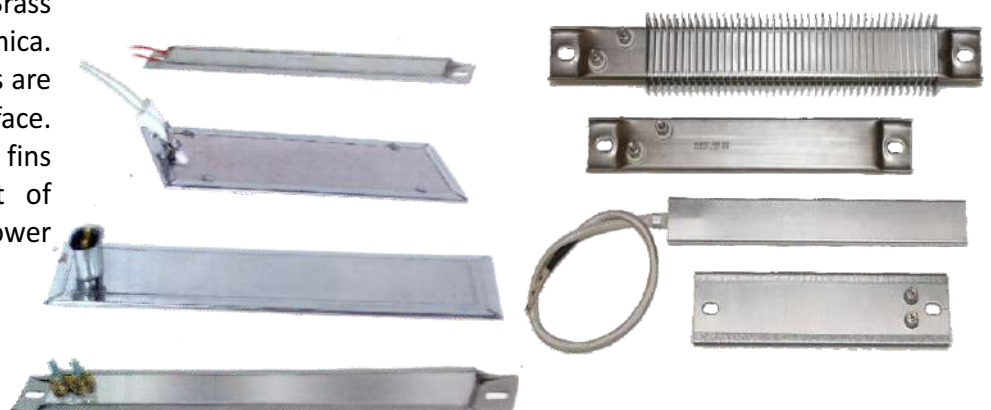
Mica Band Heaters

Subhot Mica band Heaters are made for contact based heating where uniform heat distribution is necessary. Completely compatible with all shapes and sizes ranging from round to flat to sharply angled, band heaters are made in M.S., Brass and S.S. sheathing. Perforated sheathing for Air heating applications is also available.



Strip/Strip Finned Heaters

Strip heaters are made in M.S., Brass and S.S. sheathing, insulated with mica. SS Tubes and ceramic. Strip heaters are used to heat smooth and flat surface. Strip heaters are also covered with fins for better transmission different of application like forced air ducts, blower units, ovens and dryers etc.



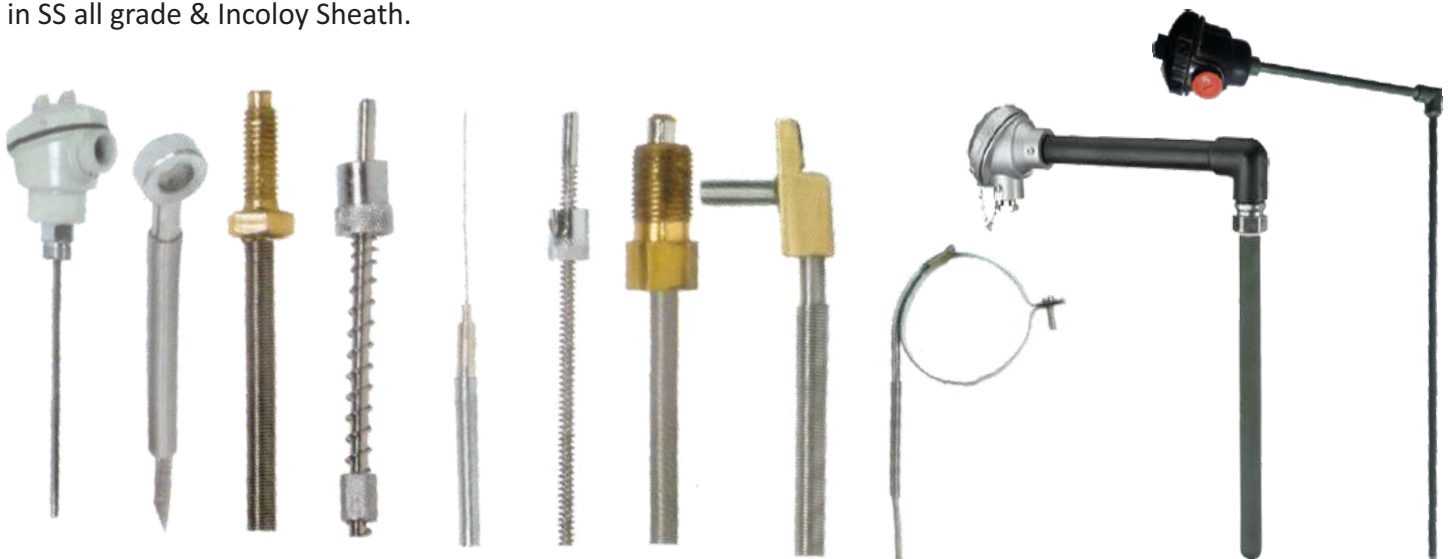
Cartridge Heaters (High Density, Low Density, D Type Model)

Cartridge heaters are designed for use where heat is required in limited space such as dies, Plates, moulds and packaging machinery etc. Cartridge heaters are made in Brass, S.S. and Incoloy sheathing in plain and D-type with low and high-density wattage.



Thermocouples

SUBHOT Thermocouples are the temperature sensor of choice primarily in furnaces, plastics extrusion, injection molding, thermo forming, blow molding and blown film application. The thermocouples favorable characteristics include good inherent accuracy, suitability over a broad temperature range, relatively fast thermal response, ruggedness, high reliability, low cost and great versatility of application. We Manufacture in SS all grade & Incoloy Sheath.



Casted Heaters

Casted heaters are made in cast iron, aluminium and brass casting. These heaters are consisting of tubular heating element. Casted heaters are made for high temperature application to heat dies and nozzles.



Ceramic & Short Wave Infrared Heaters & Panel

Infrared heaters are made in ceramic and silica fused quartz tube sheathing. These heaters are specially designed to used where fast and radiant heating is required.



Flexible Mould Heaters

Flexible heaters are designed for use where heating required in limited space such as dies, mould, hot runner system etc.



SUBHOT[®] INDUSTRIAL HEATERS

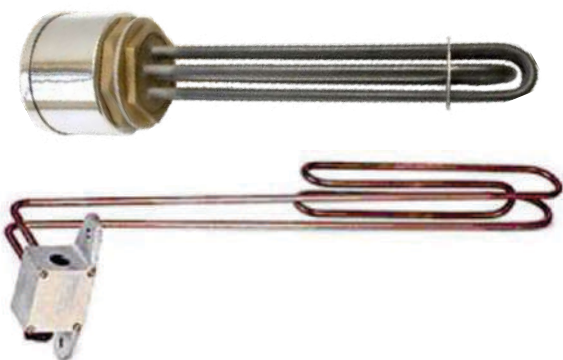
ESP Heaters for shaft, support & Hoppers

These heaters are made of S.S. Sheath in all grade SS-304, SS-321, SS-316 & incoloy in tube size of 8.2MM, 9.2MM & 11MM as per applications IP 55 die cast Aluminum terminal box are provided.



- **Silica Glass Heaters** • **Bobbin Heaters**
- **Immersion Heaters** • **Titanium Heaters**

These heaters are made in Silica Quartz tube, SS 304, SS 316, SS 304, SS 316 Lead Covered, PTFE Coated and titanium sheathing, fitted with flanges and standard BSPP screw type sockets as per customer specification to heat water, oil, and chemicals, with and without thermostat pocket.



Porcelain Heaters

Porcelain heaters are made with high temperature bearing insulators. Element in these heaters are exposed partially in air for better transmission of heat. Mostly used in ovens and tanks where draining is not possible to change the Heating Element.



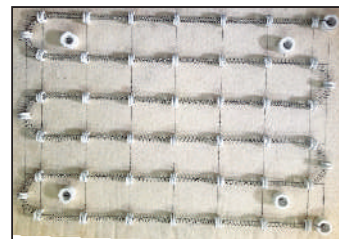
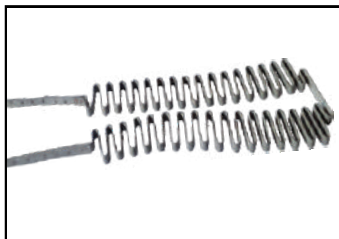
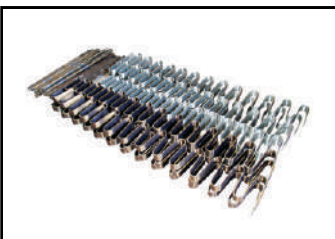
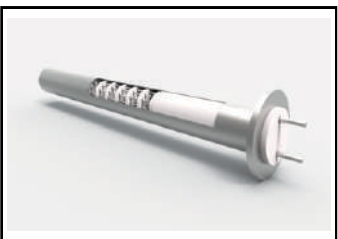
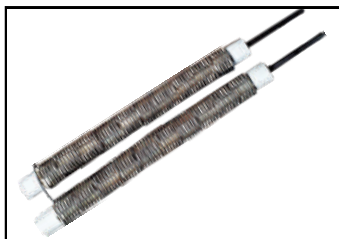
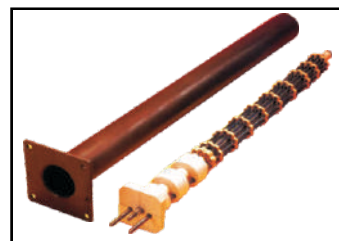
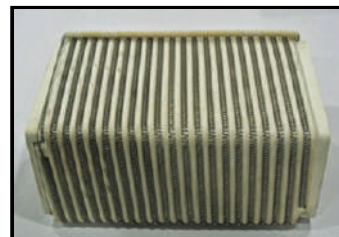
Tubular Heaters with & without Fins

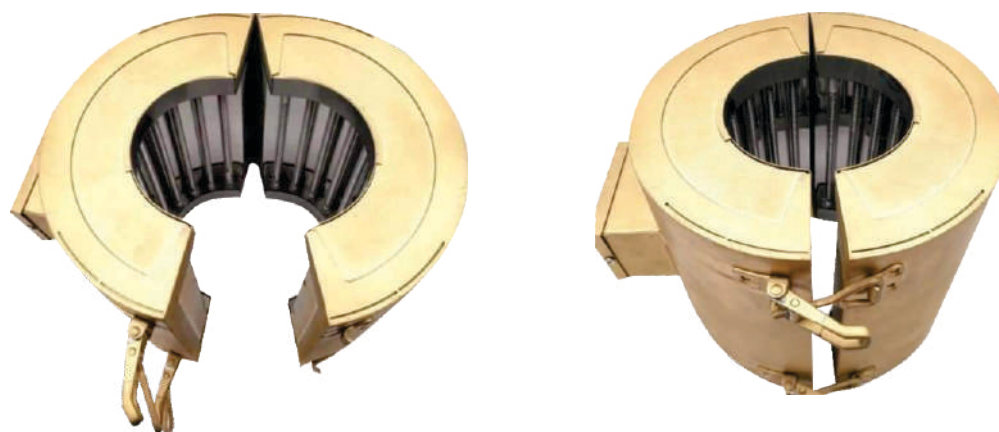
Tubular heaters are made in SS 304, SS 321 incoloy 800 sheathing to heat air and covered with M.S. and S.S. fins for air heating applications like forced air duct, drying ovens, air conditioning systems etc.



Furnace Heaters / Radiant Heater / Silicon Carbide Heater

Furnace heaters designed for high temperature furnaces, offers greatest efficiency, highest reliability and fast heat transfer due to direct exposure in air and radiant heaters used for heat treatment furnace in S.S. 310 tube and INCONEL tubes.





NOTE: Image is for reference only.

TECHNICAL DATA SHEET

NANO INFRARED BAND HEATER FOR PLASTIC MACHINE INJECTION MOLDING MACHINE

ITEM	Nano infrared energy-saving band heater	OUTER COLOR	Silver / golden / other customized colors (customized colors for injection molding machine manufacturers)
HEATING ELEMENT	Kanthal Make Resistance Wire	OUTER CASING COATING	High temperature coating to save from the radiation heat loss.
FAR INFRARED COMPONENTS	Quartz tube	SURFACE	Under 35 ⁰ C
REFLECTION LAYER	Diffuse reflective Metal Plate	EFFICIENCY RATE	Minimum 30%
INSULATION LAYER	1260 ceramic fiber blanket microporous insulation	INSTALLING BLOWER	Can be install if need
STRUCTURAL SUPPORT FRAME	Metal framework	WARRANTY PERIOD	2 years
OUTER CASTING	Metal	SERVICE LIFE	More then 8 years

PRODUCT DESCRIPTION

ENERGY SAVING NANO INFRARED BAND HEATER

Plastic machine nano infrared heater generates high heat by high-resistance wires which is reflected by quartz halogen heating tubes. It has high thermal efficiency, excellent energy-saving effect and quite low heater surface temperature. Following induction heating, it is another high energy-saving heating technology which is now widely used in plastic machines.

ADVANTAGES

	Normal band heater	Nano infrared band heater
Power Rating	1000W-230V/415V	800W-230V/415V
Thermal Effect	65%~73%	95~99.8%
Surface Temperature	>120 ⁰ C	40~80 ⁰ C
Average Life Cycle	3000~5000hr	10000hr

Circulation Heaters along with Vessel and Control Panel

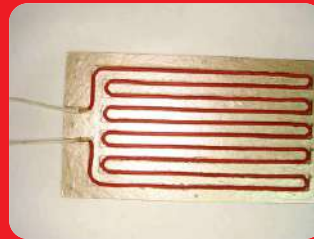
Circulation heaters, also referred to as inline heaters, are used for direct heating of flowing liquids, air, and gases in various industrial and process heating applications. They can effectively heat both pressurized and non-pressurized liquids and gases. Protecting the heater is a priority because a failure can have serious consequences. At a minimum you don't want the heater to overheat and start a fire. A Heater Control Panel has to know the status of process variables required to control and protect the heater. Heater Control Panel includes components to control the heater, sensors to protect the heater, and pilot devices for operator control. Other sensors are used for automatic operation.



As per IEC standard, IS4159 & vessel as per ASME Std. Or as per customer specification.
Terminal Box IP 55, IP 65, Flame proof or as per customer requirement.

Heating pad/ Heat Tracer Cables/ Flexible Heaters/ Door Heaters/ Defrost Heaters

Many products in the industries require maintenance of a specific temperature during storage/ delivery to its target stage of production. Successful storage and transfer of such products require that the conduits be properly heated and insulated. Subhot offers various models to meet the requirements in the form of defrosting heaters of various kinds, Heat tracer cables for plumbing and tanks, flexible heaters for custom shapes, Silicone rubber heaters pads for long life and uniform heat transfer. All types of heating needs can be catered to with the construction material ranging from SS tubes, high grade insulation material, and high security grade wires etc.



Drum Heater



Air Duct Heater



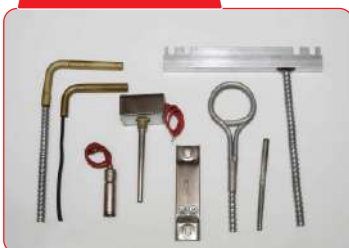
Silicon Rubber Heater



Hose Pipe Heater



Insertion Heater for Crankcase



Special Type Heaters



Circulation Heaters



Heat Saving Jacket



SUBHOT ENTERPRISES PVT. LTD.

Specialist in: SPECIAL HEATERS AS PER CUSTOMER'S SPECIFICATION

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