



# SUNBRIGHT INDUSTRIES

## **CARTRIDGE HEATERS**



### **OVERVIEW**

Cartridge Heaters manufactured by Sunbright Industries Heat Products are suitable for many diverse applications. High-Density Cartridge Heaters are designed and manufactured out of experience of many years, thus the performance and life expectancy supersedes other cartridge heaters. Low Watt Density Cartridge Heaters are an economical alternative that can be used in applications requiring lower operating temperatures and watt densities.

The product range available is quite wide and extensive from cartridge heaters, high-density cartridge heaters, D-type cartridge heaters, low-density cartridge heaters and more. While it is true, cartridge heaters have their main uses to heat metal parts, some can also come fitted with threaded bushings that allow to heat liquid in requirement of certain applications.



Primarily used in moulds, dies & sealing bars, this Cartridge Heating Element fits snug inside a cavity and helps heat solids by reaching high temperatures. High Density Cartridge Heater has the versatility of being able to carry thermocouple inside to help control temperatures of the heater more accurately. Various diameters allow for the Cartridge Heating Element to be used in any cavity and can be custom designed with any cold section. Lead wires extend from the end to your controls.

#### FOR ENQUIRY

Call us: - 020-27484756 / 9049918253 / 9422088017

Fax: - 020-27458946, Email-id: - [sunbrightindustries@yahoo.co.in](mailto:sunbrightindustries@yahoo.co.in)

## TECHNICAL SPECIFICATION

DESP.	HIGH DENSITY CART.HEATER	LOW DENSITY CART.HEATER
		
Wattages	± 10 %	± 10%
Max. Surface Load	25 W/sq. cm or 150 W/sq. inch	4 w/cm <sup>2</sup>
Diameter Range	3 mm to 25.4 mm	8mm to 40mm
Diameter Tolerance	-0.02 to -0.06	- 0.1mm
Max. Sheath Temperature	750 ° C / 1380 ° F	400° C
Length Tolerance	± 1.5 %, min ± 1 mm	± 1.5%, min ± 2mm
Insulation Resistance	≥ 5 MΩ at 500V (DC)	≥ 5 MΩ at 500V (DC)

## FEATURES

- ✓ Highly compacted unit provides high dielectric strength and excellent heat transfer.
- ✓ Internal thermocouple sensor available in most configurations.
- ✓ Shock and vibration resistance.
- ✓ Flexible Nickel lead, Ceramic Insulation cap, Magnesium Oxide, /Insulative core.

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## APPLICATIONS

- ✓ Liquid Immersion.
- ✓ Plastic Molds
- ✓ Dies
- ✓ Labeling
- ✓ Medical Equipment
- ✓ Platens
- ✓ Packaging Equipment
- ✓ Hot Stamping
- ✓ Sealing
- ✓ Injection Molding



**HIGH DENSITY CART.HEATER**

## ORDERING INFORMATION

- ✓ Connection Options
- ✓ Cartridge Types
- ✓ Standard Diameters (MM)
- ✓ Wire Protection
- ✓ Termination Options
- ✓ Standard Diameters (Inch)
- ✓ Quantity

**SBI**  
SINCE : 1991



**LOW DENSITY CART.HEATER**

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