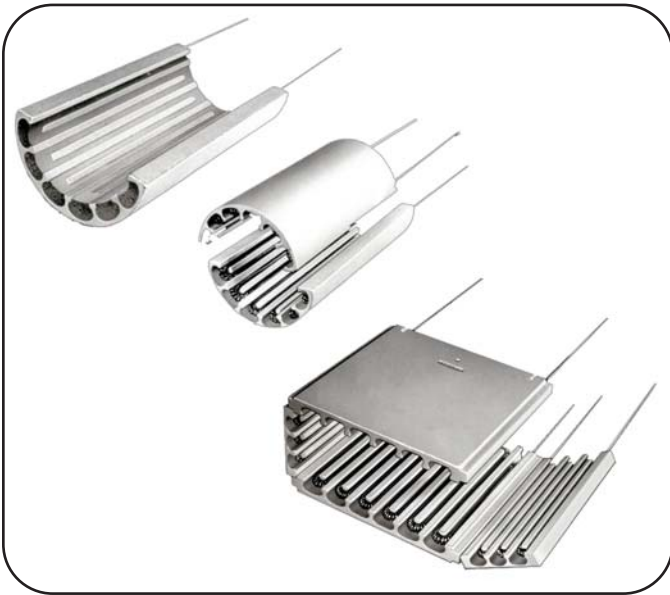




Carbolite Electric Heating Units

These "building blocks of heat" make it easy to bring heat to the work, even in out of the way places. They are ideal for assorted material heating requirements found in many laboratories. When a furnace is not suitable because of its design or load accessibility/shape, or because of economics, Carbolite Electric Heating Units can be the best solution.



1000°C and 1200°C Electric Heaters

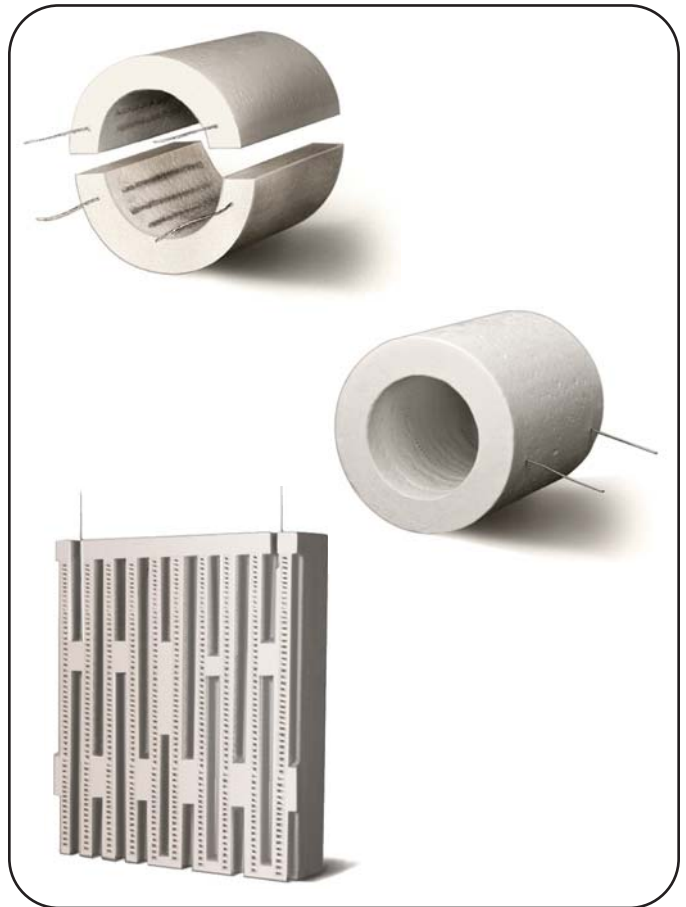
Carbolite's 1000°C (1832°F) and 1200°C (2192°F) electric heaters combine the heating element coil and a dense ceramic form in a semi-cylindrical or flat shape. The 1000°C units use nickel chrome helically coiled elements that radiate directly to the work. The wire coils are recessed into undercut grooves in the refractories to reduce the possibility of contact with the work. The 1200°C elements are retained in similar ceramic shapes but are formed of an iron, chrome and aluminum alloy wire. A high thermal conductivity cement is used to cover the element coils to prevent creep. During use, these embedded elements form an oxide coating, necessary for maximum life. All current sizes are available in either the 1000°C or 1200°C maximum operating temperature.

Features and Benefits

- Ideal watt density produces long-life design.
- Semi-circular and flat sizes to meet most requirements.
- Elements provide uniform temperature.
- Over 150 standard semi-circular and flat elements to choose from.
- Special sizes and element modifications are available.
- Units are designed for operation on 57.5, 115 or 230 volts.
- Fast delivery on all standard sizes.
- Fiber insulation packages are available for all heaters.

Carbolite Fibertherm Heating Units

Carbolite Fibertherm Heating Units provide the convenience and benefit of a single composite heating element and insulation design. The high efficiency low mass vacuum formed ceramic fiber insulation enhances the heating unit performance and eliminates the need to add separate external insulation. Like the previously described electric heating units, the Fibertherm elements provide a convenient way to bring heat directly to the load. These long-life heating units are offered in full cylinder, semi-cylindrical and flat designs. Carbolite offers over 125 different models in 1100° and 1200°C maximum operating temperatures to choose from.



Heating Unit Specifications

As previously described, Carbolite offers multiple heating unit sizes, convenient operating voltages, and maximum operating temperatures of 1000°C, 1100°C and 1200°C. For complete specifications, technical descriptions and prices please contact Carbolite directly. Literature listing all available heating units and accessories can be provided.