

SILICONE CARBIDE HEATING ELEMENT

THE ADVANTAGES OF ELECTRIC HEATING WITH GLOBALAR®

Electric furnace heating with Globalar elements is economical, dependable, clean, quiet and safe. There are no fuel storage problems, no worries about fuel availability and no noxious exhaust products to be ducted away. Globalar elements are part of a complete system and are simple to install. It can even be done while the furnace is in operation.

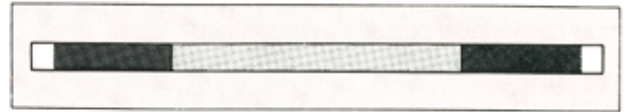
GLOBALAR TYPE LL

THE MOST POPULAR GLOBALAR ELEMENT

Type LL is a three-section welded element of high density, high purity, closely controlled silicon carbide. It is designed for heating operations up to 1540°C with an air atmosphere, and has a precisely defined hot zone and two cold end terminals.

SIZE AVAILABLE

LL heating elements are offered with effective heating sections from 102 to 2438 mm in length and overall lengths from 280 to 3300 mm.



GLOBALAR TYPE SG

FOR THE HIGHEST TEMPERATURES AND TOUGHEST CONDITIONS

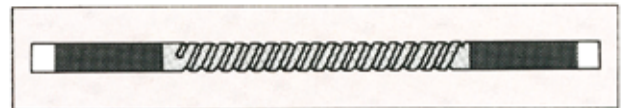
Our SG element is a real breakthrough in silicon carbide heating elements. It allows heating operations right up to 1650 °C with an air atmosphere.

SIZE AVAILABLE

You can choose SG heating elements with effective heating sections from 127 to 1320 mm in length and overall lengths from 305 to 2160 mm, depending on diameters which vary from 12.7 to 54 mm.

The SG is made in one piece of special high density re-crystallized silicon carbide. The central high resistance zone is formed by a spiral cut which reduces the cross section and lengthens the current path.

The ends of the resistance terminals are plugged and the extremities metallized with aluminium to provide low resistance contacts for the terminal straps.



GLOBALAR TYPE SGR

THE BAYONET TYPE FOR MAXIMUM DESIGN FLEXIBILITY

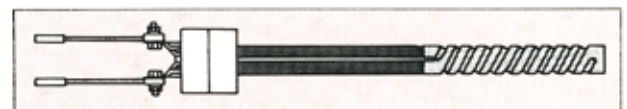
SGR is a bayonet type element with both electrical connections at one end. This reduces construction and wiring costs and makes the element easy to install and replace.

Like the SG Type, SGR elements are designed for operation up to 1650 °C with an air atmosphere, and are made in one piece from high density, high purity, self-bonded silicon carbide. They have a high resistance double-spiral heating section and a split cold-end terminal. This allows the current to flow through one spiral and return through the other.

SIZES AVAILABLE

SGR elements are available with effective heating sections from 102 to 610 mm in length and overall lengths from 279 to 1219 mm depending on diameter. Diameters range from 12.7 to 54.0 mm.

Terminal straps and clamps for making the electrical connections are supplied with each SGR element.



GLOBALAR TYPE DTE

THE HIGH RESISTANCE ELEMENT

Type DTE is a three-section element similar in concept to Type LL and designed for similar applications, but it has larger diameter cold-end terminals. The heating section has a higher resistance value than Type LL, to match elements of similar design used in Europe.

The DTE element, designed for operation up to 1540°C, is made of high density, high purity closely controlled silicon carbide. The heating section, of large crystals uniformly and strongly bonded together, is dimensionally stable so its length never varies in use.

SIZE AVAILABLE

DTE elements are available with heating sections from 60 to 500 mm in length and overall lengths from 210 mm to 2300 mm

