

STRIP HEATERS

308-131, 138 & 146



FEATURES

- The stainless steel strip heater provides clean, dependable heat with sheath temperature up to 1200°F and watt densities up to 40 watts per square inch.
- Because of the seamless stainless steel sheath, these ceramic insulated strip heaters are dimensionally stable in milled slots.



APPLICATIONS

- Dies
- Plastic Forming and Sealing
- Tank and Kettle Heating

For specific application, correctly rated elements should be used to prevent overheating and to ensure long life. A guide to correct watt densities for specific applications is shown below.

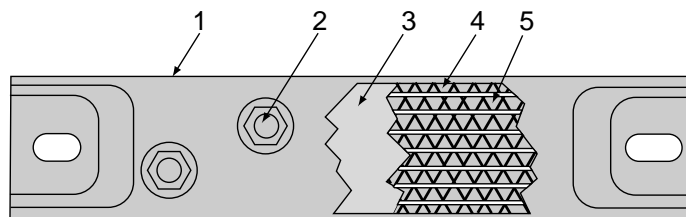
DESCRIPTION

These flat strip heaters are made with a seamless stainless steel sheath, into which is inserted a high quality resistance wire insulated with refractory material. They are designed to heat a metal surface/platen or, with the lower watt densities, a vessel.

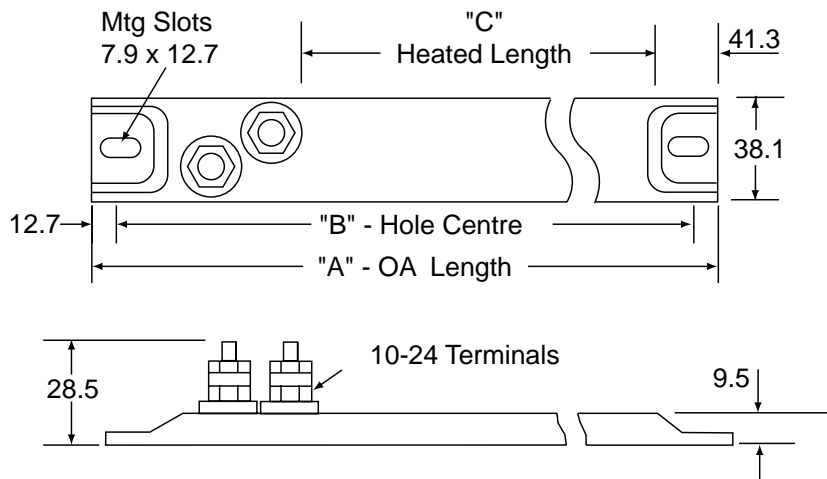
Post terminals are provided, and slotted mounting holes (centres 25.5mm less than overall length) to allow for linear expansion on heating. The mounting lugs and terminal area are not heated.

CONSTRUCTION

1. Seamless stainless steel sheath
2. Post terminals
3. Ceramic element support
4. Element wire situated in close proximity to outside surface for maximum heat transfer and minimum internal temperature while preserving good dielectric.
5. Magnesium oxide packing qualities.



DIMENSIONS (MM)



WATTS DENSITY GUIDE

Application	Max. Watts/cm ²
Water heating	6.2
Low viscosity	2.5
Liquid heating	2.5
Light oil heating	1.5-1.95
Heavy oil heating	1.0-1.55
Semi solid heating	0.75- 1.0

SPECIFICATIONS

Sheath material:	Seamless stainless steel
Electrical connections:	Threaded terminals posts with washers and lock nuts
Width:	38.10 ± 0.25 mm
Length:	Up to 610 with a tolerance ±1.5mm and ±3.3mm over 610mm
Thickness:	9.53 ± 0.13mm
Overall height:	30mm nom.
Watt density:	Up to 6W/cm ² , Wattage tolerance: +5% -10% at rated voltage
Voltage supply:	240Vac

NOTE: For reasons of safety we advise that the heater sheath should be bonded to an electrical earth.

The wire is insulated from the sheath with magnesium oxide powder, however, if the element fails or is overheated, the element could short to earth.