



BioSiC[®] HEATING ELEMENTS

Our bioSiC[®] resistive elements are very versatile in shape, electrical characteristics, temperature and size of the hot zone, which can be adapted to customer needs.

Our heating elements are compatible with work in vacuum and corrosive environments, enabling low power consumption and high durability.

BioSiC[®] heating elements are ideal for high temperature furnaces and microfurnaces for laboratories. The elements can be manufactured in multiple Us and can be supplied separately or directly in a laboratory furnace specifically designed for the customer.

Heating Elements - Ref. PRES-022 / PRES-023 / PRES-024



Technical Characteristics

REFERENCE	PRES-022	PRES-023	PRES-024
Nº DE U	Two	Three	Four
MAXIMUM TEMPERATURE (°C)	1400		
MAXIMUM INTENSITY (A)	15		
VOLTS (V)	0-75		
MAXIMUM POWER (W)	400	550	700
RECOMMENDED POWER (W)	250	300	400
HOT ZONE SURFACE (mm ²)	35 x 21	35 x 33	35 x 45
MAXIMUM DISSIPATED POWER IN HOT ZONE (W/cm ²)	30		
RECOMMENDED VALUE IN CONTINUITY (W/cm ²)	< 10		

Welders/Rivets - Ref. PRES-029 / PRES-021



The WELDERS/RIVETS are used for applications that require a small hot spot, and can be manufactured with specific riveting shapes. These equipments consist of:

- Heating resistance of bioSiC[®] with internal thermocouple.
- Holder and connection system.
- Electronic temperature controller.

Technical Characteristics

REFERENCE	PRES-021	PRES-029
MAXIMUM TEMPERATURE (°C)	1000	
MAXIMUM INTENSITY (A)	8	6
VOLTS (V)	15-45	0-25
MAXIMUM POWER (W)	150	100
RECOMMENDED POWER (W)	75	
HOT ZONE LENGTH (mm)	14	17
MAXIMUM DISSIPATED POWER IN HOT ZONE (W/cm ²)	30	
RECOMMENDED VALUE IN CONTINUITY (W/cm ²)	< 10	



Temperature controller
INPUT 0 - 220 V
OUTPUT 15 A / 125V.
BMP-CO-01

