



HIGH TEMPERATURE FURNACES

High temperature furnaces for laboratories can be designed and constructed according to the customer's requirements. They can be developed with bioSiC® heating elements or other commercial elements to work in controlled atmospheres or with air.



The high temperature furnaces consist of:

- High quality bioSiC® or other commercial heating elements, which ensure an optimal distribution of temperature.
- Stainless steel heating chamber lined with excellent ceramic insulation which provides reduced heating and cooling times.
- Electronic temperature controller.
- Control system of atmosphere with a ceramic or refractory steel tube.

Tube Furnace 1000 °C - Ref. BMP-PI-02

The 1000 °C tube furnace is another high temperature equipment made from refractory insulation of high alumina, type S thermocouple, and includes the integrated control electronics system. It has a stainless steel structure and muffle tube of refractory steel resistant to high temperatures.



Tube Furnace 1600 °C - Ref. BMP-IN-02

The 1600 °C tube furnace reaches high temperatures and consists of a steel module containing the high alumina ceramic fiber, type S thermocouple and a module with electronic control incorporated.

Technical Characteristics

REFERENCE	BMP-PI-02
HEATING ELEMENTS	Comercial
EXTERNAL DIMENSIONS (mm)	Heating Chamber: 478x416x758 Control Module: Internal
DIMENSIONS OF THE INNER CHAMBER (mm)	220x300x180
DIMENSIONS OF THE CERAMIC TUBE (mm)	Diameter: 100 Length: 900
POWER (W)	3400
INTENSITY (A)	16
PHASE / FREQUENCY (Hz)	1 / 60
VOLTS	220
MAXIMUM TEMPERATURE (°C)	Continuous: 950 Intermittent: 1000

REFERENCE	BMP-IN-02
HEATING ELEMENTS	Comercial
EXTERNAL DIMENSIONS (mm)	Heating Chamber: 326x447x350 Control Module: 560x363x350
DIMENSIONS OF THE INNER CHAMBER (mm)	150x150x165
DIMENSIONS OF THE CERAMIC TUBE (mm)	Diameter: 70 Length: 1000
POWER (W)	2500
INTENSITY (A)	11
PHASE / FREQUENCY (Hz)	1 / 60
VOLTS	220
MAXIMUM TEMPERATURE (°C)	Continuous: 1500 Intermittent: 1600



Microfurnace 1400 °C - Ref. BMP-MI-01

The microfurnace is ideal for heating a small area. It has bioSiC® heating elements. These microfurnaces are designed for industries with special applications and that heat specific areas at high temperatures.

REFERENCE	BMP-MI-01
HEATING ELEMENTS	BIOSIC®
EXTERNAL DIMENSIONS (mm)	Heating Chamber: 95x160x185 Control Module: 190x230x300
DIMENSIONS OF THE INNER CHAMBER (mm)	36x40x48,5
DIMENSIONS OF THE CERAMIC TUBE (mm)	Diameter: NO Length: NO
POWER (W)	200
INTENSITY (A)	8
PHASE / FREQUENCY (Hz)	1 / 60
VOLTS	24
MAXIMUM TEMPERATURE (°C)	Continuous: 1350 Intermittent: 1400