



MOD. HOB 33-3/16

## BOTTOM LOADING FURNACE

- A) Air atmosphere
- B) Controlled atmosphere furnace with hermetic closing

MAX. TEMPERATURE:

1650°C - 1700°C - 1800°C - 1900°C

**SINCE 1946**

## BOTTOM LOADING FURNACE

**1650°C – 1700°C – 1800°C – 1900°C**



### GENERAL CHARACTERISTICS (COMMON)

This furnace model is technically designed with the most advanced types of isolating fibers and heating elements of the current market, which allows you to obtain a very high temperature range in a much shorter time than the rest of furnaces of the market built with conventional refractory.

It also has a perfect thermal isolation and without remarkable inertias; in the chamber construction it is inserted (side, ceiling and bottom) the refractory of ceramic type except for the bottom manufactured with high temperature refractory of very high degree of aluminium content and melting point, allowing for the introduction of parts, crucibles, samples or objects of a certain consistency and weight without danger of sinking or breaking.

The fiber plates that form the chamber sides and ceiling are supported and anchored on a double chamber of ceramic refractory plates of the same type as the bottom plate.

- Furnace disconnection by thermocouple break.
- Furnace disconnection when opening the door.

Homogeneity  $\pm 5\%$ . Stability  $\pm 2^\circ$

Maximum work temperature: 1.600°C peak in limited time.

Continuous work regime temperature: 1.550°C

Isolation: 25 and 50mm thick fiber on hot face of chamber M-160.

CONTROL BOX

Ramp programmer 4 programs of 15 segments. Microprocessor in non-volatile memory.

Manufactured according to the CEE standards BS EN 61010-1-2001

Safety alarm on temperature.

The electrically operated elevator hearth ensures operator safety and prevents radiation of heat from the chamber walls.

The loading platform has a full travel which allows the complete chamber height to be used.

Outstanding temperature uniformity due to all-around the furnace chamber heating

The furnace can be adapted to accommodate an inert atmosphere, by placing a large inverted alumina crucible and hermetic (A-304)

Refrigerated by water

Gas inlet and outlet connections

Model	High heating zone	øHeating zone	External dimensions			Volume liters	Max Kw	Voltage V	Maximum Temperature	Maximum temperature°C	Maximum temperature	Thermo couple	Control type	Heating elements
			High	Wide	Deep				°C	on work limited	°C Continuous			
HOB33-3/16	150	150	970	500	840	3	4	220 v	1650	1600	1550	S	P0415	molibdenum disilice
HOB33-6/16	200	200	970	500	840	6	6	220 v	1650	1600	1550	S	P0415	molibdenum disilice
HOB33-12/16	250	250	1100	600	940	12	10	220 v	1650	1600	1550	S	P0415	molibdenum disilice
HOB33-3/17	150	150	970	500	840	3	4	220 v	1750	1700	1650	B	P0415	molibdenum disilice
HOB33-6/17	200	200	970	500	840	6	6	220 v	1750	1700	1650	B	P0415	molibdenum disilice
HOB33-12/17	250	250	1100	600	940	12	10	220 v	1750	1700	1650	B	P0415	molibdenum disilice
HOB33-3/18	150	150	970	500	840	3	4	220 v	1800	1750	1700	B	P0415	molibdenum disilice
HOB33-6/18	200	200	970	500	840	6	6	220 v	1800	1750	1700	B	P0415	molibdenum disilice
HOB33-12/18	250	250	1100	600	940	12	10	220 v	1800	1750	1700	B	P0415	molibdenum disilice
HOB33-3/19	-----	-----	-----	-----	-----	-----	-----	-----	1900	1850	1800	-----	-----	-----

- Fabricación de hornos especiales bajo demanda
- Reservado el derecho de cambiar las especificaciones técnicas

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