

Data Sheet

Model: BEB18/5

Bottom Loading Chamber Furnaces



INTRODUCTION

The **BEB18/5** Bottom Loading Chamber Furnaces has an electrically operated elevator hearth facilitating smooth loading / unloading of the sample/crucible. The design provides a fast hearth ascent/descent therefore making it ideal for rapid load transfer applications such as glass melting and firing of advanced ceramics. Other chamber capacities/volumes are offered in custom-built models.

BEB18/5 bottom Loading Chamber Furnaces with 5-liter capacity.



BEB18/5

SPECIFICATIONS

Maximum Temperature: 1800°C

Maximum Continuous Temperature: 1750°C

Chamber dimensions (mm): 170 x 170 x 170 (H x W x D)

DC Motor with UP and DOWN controls. Upper and lower limit switches are fitted for safety

Elevator Travel is 400mm nominal with 8 seconds travel time

Molybdenum Tungsten Disilicide elements on all 4 sides of chamber for good uniform heating

Graded premium quality ceramic fibre insulation

High end Microprocessor PID controller

Overtemperature Protection System as standard

A small ceramic chimney is fitted as standard

External Dimensions Furnace (mm): 1125 x 800 x 763 (H x W x D)
(Indicative)

External Dimensions Controller (mm): 610 x 530 x 602 (H x W x D)
(Indicative)

Net Wt: 188 kg

Supply / Power: 230V– 1 Phase – 6.0 kW, Thyristor control

PHASE CONTROL

Phase angle fired thyristor unit in conjunction with a low voltage secondary isolating transformer provides the heating elements with correct operating parameters.

OPTIONS

Alumina crucible

Ceramic liner

Multi segment, multi program storage controller

Flow meter for introduction of gases into the chamber.

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