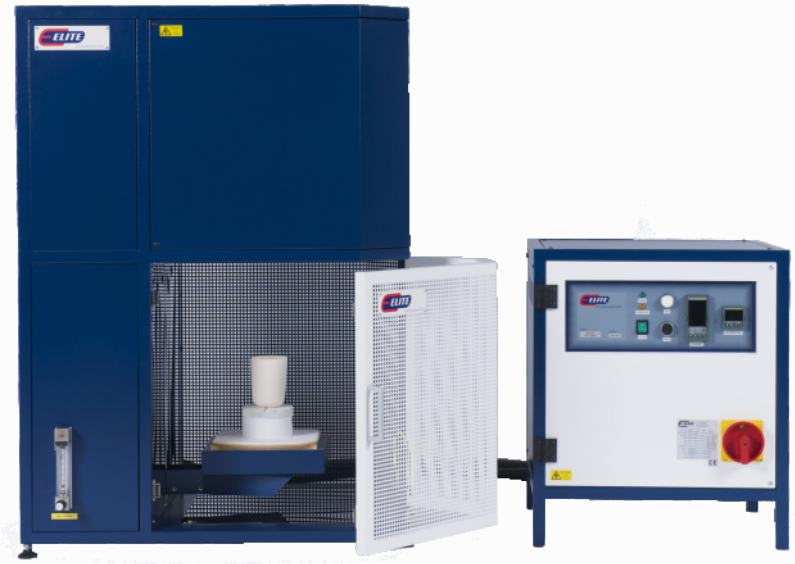
Data Sheet
Model: BEB18/5
Bottom Loading Chamber Furnaces

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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