

Data Sheet

Model: BEB17/5

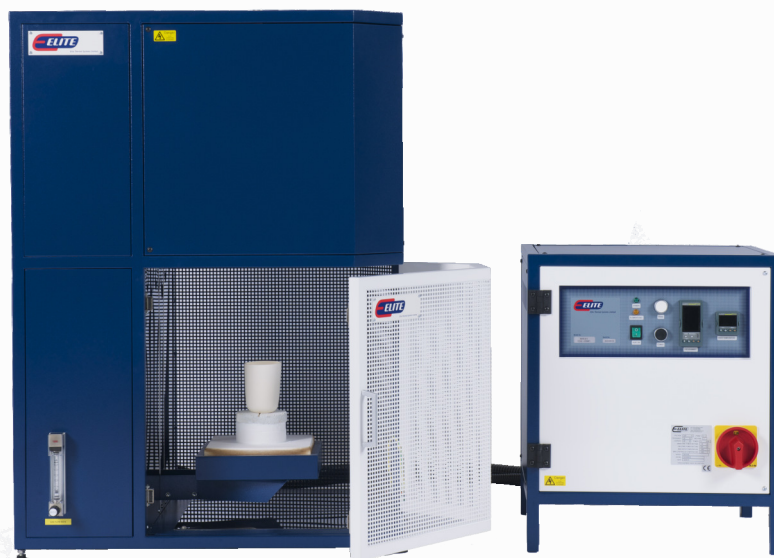
Bottom Loading Chamber Furnaces



INTRODUCTION

The **BEB17/5** 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.

BEB17/5 bottom Loading Chamber Furnaces with 5-liter capacity.



SPECIFICATIONS

Maximum Temperature: 1700°C

Maximum Continuous Temperature: 1650°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 Disilicide heating 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

BEB17/5

| **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 – 5.0 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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