

# Large Capacity Box Furnace (+1200°C)

**LABEC Large Capacity Box Furnaces** are manufactured with high quality materials for easy maintenance and excellent durability. The double skinned fan cooled construction keeps the exterior body cool at high temperatures and provides excellent stability. The furnace features two layers of ceramic fibre insulation for excellent thermal stability.

Designed to suit applications such as mechanical testing apparatus. The furnace features light weight ceramic fibre insulation which enables rapid thermal cycling and heating is by electric elements

The door is held firmly closed with side locking latches and has a safety cut off when the door is opened during operation.

#### **Controller**

These furnaces feature a multi-stage programmable controller for up to 51 segments and a 0-99 hour timer. The display is full colour LCD.

#### **Data Logging**

When optioned, the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect the information. Software is available for programming and monitoring.



Serving the Scientific, Medical and Research industries since 1945

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## SPECIFICATIONS

# Large Capacity Box Furnace (+1200°C)

Model	BF 64/12	BF 92/12	BF 125/12	BF 216/12	BF 512/12
Int. Dim. (mm)	w400*d400*h400	w450*d450*h450	w500*d500*h500	w600*d600*h600	w800*d800*h800
Capacity (L)	64	92	125	216	512
Temp. Max	1200°C (<3hours) or 1100°C continuous				
Temp. Setting Accuracy	±1°C				
Temp. Fluctuation	±5°C over 120mm @ 1200°C ±3°C over 80mm @ 1100°C				
Temp. Sensor	K type (Pt-Rh) with 99.7% purity Alumina tube				
Heating Rate	0-20°C / minute				
Heating System	Electric Element				
Interior Material	Ceramic Lined				
Exterior Material	Stainless Steel				
Controller	51 segment PID programmable controller				
Options	Cable entry port, high temperature models, RS232 connection, touch screen model				
Safety Features	Over Temperature Alarm, temperature protection cut off, door open cut off, earth leakage breaker				
Power (kW)	15	20	25	36	64

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