

LABDex

**3 L Vacuum
Atmosphere Box Furnace
LX110BF**



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3 L Vacuum Atmosphere Box Furnace LX110BF is a microprocessor controlled chamber with stable PID temperature control system. Equipped with a heating speed of 15 to 30 mins from RT to 1000 °C, the chamber adopts vacuum forming ceramic fiber with no power drops off with high temperature. Temperature uniformity with excellent protection of heating elements (MoSi₂) is maintained. One press start button for pre-set programmes with alerting signal for overheating of chamber.

Features

- High temperature heating alloy wire for heating elements
- Heating speed - 15 to 30 mins from RT to 1000 °C
- PID controlled temperature controller with a precision of 1 °C
- One button press start for pre-programmed functions
- Durable inner lining of light insulating bricks
- Double walled housing for high stability
- Alert signal for overheating of chamber
- Double water cooling shelf with surface temperature ≤ 50 °C
- Heat curve can be preset with the programmable function
- 2 programmable groups with 16 segments

Application

Used for fusing glass, soldering, brazing, creating enamel coatings, ceramics, research centers, medical laboratories to determine the non-volatile and non-combustible proportion of the sample and for highly sophisticated metallurgical applications

Specifications

Model No	LX110BF
Volume	3 L
Maximum temperature	1700 °C
Working temperature	1650 °C
Heating element	MoSi ₂
Temperature precision	± 1 °C
Heating speed	15 to 30 mins from RT to 1000 °C
Vacuum degree	- 0.098 MPa
Programmable groups	2
Programmable segments	16
Chamber material	Alumina Ceramic Fiber
Thermocouple	B style
Voltage	220 V
Power	4 kW
Dimension (W x L x H)	150 x 150 x 150 mm

Standard accessories

Accessory No	Accessory
1	Crucible tong
2	High temperature gloves