

18 L Vacuum  
**Atmosphere Box Furnace**  
LX842BF



## 18 L Vacuum Atmosphere Box Furnace LX842BF

18 L Vacuum Atmosphere Box Furnace LX842BF 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 (SIC) 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
- 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	LX842BF
Volume	18 L
Maximum temperature	1400 °C
Working temperature	1350 °C
Heating element	SIC
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	S style
Voltage	220 V
Power	5 kW
Dimension ( W x L x H )	250 x 300 x 250 mm

## Standard accessories

Accessory No	Accessory
1	Crucible tong
2	High temperature gloves