

LABdex



18 L VACUUM
Atmosphere Box Furnace
LX981 BF

www.labdex.com

www.labdex.com

18 L Vacuum Atmosphere Box Furnace LX981BF

18 L Vacuum Atmosphere Box Furnace LX981BF 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 (HRE) 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	LX981BF
Volume	18 L
Maximum temperature	1200 °C
Working temperature	1150 °C
Heating element	HRE
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	K 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