



## MUFFLE BOX FURNACE BFMF-1100-100B

## MUFFLE BOX FURNACE BFMF-1100-100B

Designed for minimum space requirements, our muffle furnaces work effortlessly at high temperatures and give reliable results. Equipped with electronic controller and memory to store different programs, it makes the operation user friendly. Chambers are crafted for heavy duty operation and minimize heat loss.

Used in Ideal for material testing, ashing, annealing loss determination, chemical analysis, reaction studies, metallurgical research and rapid heat processes..

## BFMF-1100-100B MUFFLE BOX FURNACE



- Programming with Easy-to-Understand Menu on 4-Line LCD Display
- Suitable for all Kinds of Processes such as Ash Analysis, Heat Treatment, Sintering, Preheating, Melting, Oxidation
- Durable Inner Chamber Made of Light Isolation Bricks
- Accurate Measurement and Temperature Control with K Type Thermocouple
- Homogeneous Heat Distribution
- Space-Saving in the Laboratory with Unique Insulation Design
- Low External Surface Temperature with Dual Layer Housing
- Heating Elements which are Selected and Designed According to Their Proper Working Temperatures and Providing Fast Heating of the Furnace
- Heating Element Protection with Quartz Tubes against the Effects of Harmful Gases
- Fan and Chimney System for Discharging Corrosive and Oxidizing Gases
- Optional Features such as Protective Gas Connection, Door Sensor, Second Thermocouple (Indicator)
- Lift-Up & Sideways Door Options

## SPECIFICATIONS

Model	BFMF-1100-100B
Capacity	100 L
Maximum Temperature	1100°C
Working Temperature	1100°C
Control Unit	B2
Controller Description	4x20 LCD / 4 Steps 2 Prog
Software Options	B2, E4, U8, S16
Control Accuracy	±1°C
Front Face Insulation Material	Ceramic Fire Brick
Door Insulation Material	Ceramic Fibre Board
Housing Material	Steel Sheet
Housing Coating	Epoxy Powder Coating
Chimney	Standard
Heating Element Protection	Quartz Tube
Lockable Door Handle	Sideways
Inner Insulation Material	Insulating Fire Brick
Heating Element Placement	Embedded into Brick Walls
Thermocouple Type	K Type
Heating Element Type	Fe-Cr-Al
Inner Dimension (WxDxH)	460x365x595 mm
Outer Dimension (WxDxH)	756x833x990 mm

Gross Dimensions (WxDxH)	816x1150x893 mm
Net Weight	160 Kg
Gross Weight	190 Kg
Power	14000 W
Maximum Current	3×21.3 A
Electrical Connection	3 Phase
Power Supply	220V / 50Hz
Note	Available model with capacity 7L, 10L, 40L, 60L



**Biolab Scientific Ltd.**

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada  
Email: [contact@biolabscientific.com](mailto:contact@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)