



MUFFLE BOX FURNACE BFX1B4 (BFMF-1100-20B)

MUFFLE BOX FURNACE BFX1B4

STANDARD MUFFLE FURNACES



- Suitable for every kind of processes like ashing, sintering, preheating, melting, oxidizing.
- User friendly operating menu in 4 line display for easy operation.
- Durable inside lining made of light insulating bricks.
- Accurate measuring and controlling the temperature using K and S Type thermocouples.
- ± 1 °C control accuracy.
- Designed for minimal space requirements in the laboratory, thanks to the highly engineered insulation design.
- Dual shell housing for low outer surface temperature.
- Optional protective gas connection, door switch, second thermocouple for different adjustable purposes.

SPECIFICATIONS

Model	BFX1B4
Old Model	BFMF-1100-20B
Working Temperature	1100 °C
Volume	20L
Inner Chamber Dimensions [mm] WxHxD	250x200x395
Product Outer Dimensions [mm] WxHxD	546x668x790
Net Weight [kg]	65
Power [W]	4200
Max. Current [A]	2x9.6 / 1x19.1
Electrical Connection	3 or 1 Phase
Heating Element	Fe-Cr-Al
Thermocouple Type	K Type
Heating Element Placement	Embedded into brick walls
Inner Insulation Material	Insulating Fire Brick
Front Face Insulation Material	Insulating 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
Gross Dimensions [mm] WxHxD	606x950x728
Gross Weight [kg]	85
Software	BASIC B2
Software based PID Control	YES
Display	4 lines
Heating Program with	4 steps
Custom Preset Program	2
Heating Rate °C/min.	1-20
Date & Time	YES
Auto Start at Certain Date	NO

Show Remaining Waiting Time	NO
Skip the Waiting Step	NO
Temperature Calibration via Menu ($\pm 10^{\circ}\text{C}$)	NO
Sound Warnings at Step Changes	YES
Sound Warning at the End of the Program	YES
Total Working Hour Counter	YES
Calculator for Average Working Temperature	YES
Instantaneous Energy Consumption Indicator	NO
Over Heating Cut Off	YES
Open Door Sensor	OPTIONAL
PC Connection Kit	OPTIONAL
Warranty Period	2 Years
Note	* Only 5th memory supports 32 levels **Independent for each level
Alt Name	Standard Muffle Furnaces



FEATURES

- Suitable for every kind of processes like ashing, sintering, preheating, melting, oxidizing.
- User friendly operating menu in 4 line display for easy operation.
- Durable inside lining made of light insulating bricks.
- Accurate measuring and controlling the temperature using K and S Type thermocouples.
- $\pm 1^{\circ}\text{C}$ control accuracy.
- Designed for minimal space requirements in the laboratory, thanks to the highly engineered insulation design.
- Dual shell housing for low outer surface temperature.
- Optional protective gas connection, door switch, second thermocouple for different adjustable purposes.
- Lift up and Sideways opening door possibilities.
- Standard chimney with fan.
- Robust, durable and reliable.
- Ideal for all washing, burning and similar processes.
- Bottom, side and top walls and front facing insulations made of light firebrick.
- Lockable door handle.
- Optional Lift-up door.



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: info@biolabscientific.com | Website: www.biolabscientific.com