



MUFFLE BOX FURNACE

MUFFLE BOX FURNACE

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..

1000 MUFFLE BOX FURNACE



Economical Series Ash Furnace

Ideal Easy Programming for Any Kind of Process such as Ash Analysis of Food, Plastic, Other Organic Materials

User Friendly Interface

Start/Stop with One Touch

7-Segment LED Display

Homogeneous Heat Distribution

Unique Insulation Design

Minimal Designed for Space-Saving in the Laboratory

Low External Surface Temperature with Dual Layer Housing

Durable Inner Chamber Made of Light Isolation Bricks

New Monoblock Design

SPECIFICATIONS

Model	BFMF-1000-20	BFMF-1000-5	BFMF-1000-8
Capacity	20 L	5 L	8 L
Maximum Temperature	1000°C		
Working Temperature	1000°C		
Control Unit	P		
Controller Description	7 Seg. Display / 2 Step 1 Prog		
Software Options	P, Px		
Control Accuracy	±1°C		
Front Face Insulation Material	Ceramic Fibre Board		
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)	200x180x300 mm	150x150x225 mm	180x160x260 mm
Outer Dimension (WxDxH)	426x589x510 mm	376x559x435 mm	406x569x470 mm
Gross Dimensions (WxDxH)	486x670x649 mm	436x595x619 mm	466x630x629 mm
Net Weight	34 Kg	24 Kg	28 Kg

Gross Weight	49 Kg	36 Kg	41 Kg
Power	3400 W	2000 W	2600 W
Maximum Current	15.5 A	9.1 A	11.9 A
Electrical Connection	1 Phase		
Power Supply	220V / 50Hz		
Note	Available model with capacity 8L		



BFMF-1000-20



BFMF-1000-5



BFMF-1000-8

1100 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	BFMF-1100-20B	BFMF-1100-5B
Capacity	100 L	20 L	5 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	Sidewards		
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	250x200x395 mm	150x150x225 mm
Outer Dimension (WxDxH)	756x833x990 mm	546x668x790 mm	446x618x620 mm
Gross Dimensions (WxDxH)	816x1150x893 mm	606x950x728 mm	506x780x678 mm
Net Weight	160 Kg	65 Kg	43 Kg
Gross Weight	190 Kg	85 Kg	57 Kg
Power	14000 W	4200 W	2000 W
Maximum Current	3×21.3 A	2×9.6 / 1×19.1 A	9.1 A
Electrical Connection	3 Phase	3 vey 1 Phase	1 Phase
Power Supply	220V / 50Hz		
Note	Available model with capacity 7L, 10L, 40L, 60L		



BFMF-1100-100B



BFMF-1100-20B



BFMF-1100-5B

1100 MUFFLE BOX FURNACE



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Durable Inner Chamber Made of Light Isolation Bricks

New Monoblock Design

SPECIFICATIONS

Model	BFMF-1100-20	BFMF-1100-30A	BFMF-1100-3A
Capacity	20 L	30 L	3 L
Maximum Temperature	1100°C		
Working Temperature	1100°C	1050°C	

Control Unit	P	Px	
Controller Description	7 Seg. Display / 2 Step 1 Prog	7 Seg. Display / 4 Steps 2 Prog	
Software Options	P, Px	Px	
Control Accuracy	±1°C		
Front Face Insulation Material	Ceramic Fibre Board		
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)	200x180x300 mm	300x250x395 mm	130x105x230 mm
Outer Dimension (WxDxH)	426x589x510 mm	554x615x640 mm	384x470x475 mm
Gross Dimensions (WxDxH)	486x670x649 mm	595x785x680 mm	425x640x515 mm
Net Weight	34 Kg	47 Kg	22 Kg
Gross Weight	49 Kg	59 Kg	35 Kg
Power	3400 W	3900 W	1350 W
Maximum Current	15.5 A	18 A	7:00 AM
Electrical Connection	1 Phase		
Power Supply	220V / 50Hz		
Note	Available model with capacity 8L	Available model with capacity 5L, 16L	

Model	BFMF-1100-5	BFMF-1100-7A
Capacity	5 L	7 L
Maximum Temperature	1100°C	
Working Temperature	1100°C	1050°C
Control Unit	P	Px
Controller Description	7 Seg. Display / 2 Step 1 Prog	7 Seg. Display / 4 Steps 2 Prog
Software Options	P, Px	Px
Control Accuracy	±1°C	
Front Face Insulation Material	Ceramic Fibre Board	
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)	150x150x225 mm	180x160x260 mm
Outer Dimension (WxDxH)	376x559x435 mm	434x525x505 mm
Gross Dimensions (WxDxH)	436x595x619 mm	475x695x545 mm

Net Weight	24 Kg	28 Kg
Gross Weight	36 Kg	41 Kg
Power	2000 W	
Maximum Current	9.1 A	9:00 AM
Electrical Connection	1 Phase	
Power Supply	220V / 50Hz	
Note	Available model with capacity 8L	Available model with capacity 5L, 16L



BFMF-1100-20



BFMF-1100-30A



BFMF-1100-3A



BFMF-1100-5



BFMF-1100-7A

1200 MUFFLE BOX FURNACE



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 Optional Features such as Protective Gas Connection, Door Sensor, Second Thermocouple (Indicator)
 Lift-Up & Sideways Door Options

SPECIFICATIONS

Model	BFMF-1200-100	BFMF-1200-20	BFMF-1200-5
Capacity	100 L	20 L	5 L

Maximum Temperature	1200°C		
Working Temperature	1200°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	250x200x395 mm	150x150x225 mm
Outer Dimension (WxDxH)	756x833x990 mm	546x668x790 mm	446x618x620 mm
Gross Dimensions (WxDxH)	816x1150x893 mm	606x950x728 mm	506x780x678 mm
Net Weight	160 Kg	65 Kg	43 Kg
Gross Weight	190 Kg	85 Kg	57 Kg
Power	14000 W	4200 W	2000 W
Maximum Current	3×21.3 A	2×9.6 / 1×19.1 A	9.1 A
Electrical Connection	3 Phase	3 vey 1 Phase	1 Phase
Power Supply	220V / 50Hz		
Note	Available model with capacity 7L, 10L, 40L, 60L		



BFMF-1200-100



BFMF-1200-20



BFMF-1200-5

BFMF-1200-40 MUFFLE BOX FURNACE

SPECIFICATIONS

Model	BFMF-1200-40
Capacity	40 L
Maximum Temperature	1200°C
Working Temperature	1200°C

Control Unit	B2
Controller Description	5x20 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)	300x300x445mm
Outer Dimension (WxDxH)	630x785x840mm
Gross Dimensions (WxDxH)	690x1000x845mm
Net Weight	112 Kg
Gross Weight	136 Kg
Power	7500 W
Maximum Current	3x11.4 A
Electrical Connection	3 Phase
Power Supply	221V / 50Hz

1300 MUFFLE BOX FURNACE



Programming with Easy-to-Understand Menu on 4-Line LCD Display
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 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-1300-100	BFMF-1300-20	BFMF-1300-5
Capacity	100 L	20 L	5 L
Maximum Temperature	1300°C		

Working Temperature	1300°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	S Type		
Heating Element Type	Fe-Cr-Al		
Inner Dimension (WxDxH)	460x365x595 mm	250x200x395 mm	150x150x225 mm
Outer Dimension (WxDxH)	756x833x990 mm	546x668x790 mm	446x618x620 mm
Gross Dimensions (WxDxH)	816x1150x893 mm	606x950x728 mm	506x780x678 mm
Net Weight	160 Kg	81 Kg	49 Kg
Gross Weight	190 Kg	101 Kg	63 Kg
Power	14000 W	4500 W	2250 W
Maximum Current	3×21.3 A	2×10.3 / 1×20.6 A	10.3 A
Electrical Connection	3 Phase	1 Phase	
Power Supply	220V / 50Hz		
Note	Available model with capacity 7L, 10L, 40L, 60L		



BFMF-1300-100



BFMF-1300-20



BFMF-1300-5

BFMF-950-3 MUFFLE BOX FURNACE



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Start/Stop with One Touch

7-Segment LED Display

Homogeneous Heat Distribution

Unique Insulation Design

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Durable Inner Chamber Made of Light Isolation Bricks

New Monoblock Design

SPECIFICATIONS

Model	BFMF-950-3
Capacity	3 L
Maximum Temperature	950°C
Working Temperature	950°C
Control Unit	P
Controller Description	7 Seg. Display / 2 Step 1 Prog
Software Options	P, Px
Control Accuracy	±1°C
Front Face Insulation Material	Ceramic Fibre Board
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)	130x105x230 mm
Outer Dimension (WxDxH)	336x434x533 mm
Gross Dimensions (WxDxH)	420x620x620 mm
Net Weight	25 Kg
Gross Weight	35 Kg
Power	1500 W
Maximum Current	7:00 AM
Electrical Connection	1 Phase
Power Supply	220V / 50Hz
Note	Available model with capacity 5L, 7L



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