



MUFFLE BOX FURNACE

MUFFLE BOX FURNACE BFX1E1 TO BFX1E7

PRIMARY MUFFLE FURNACES



- Advanced heater protection, durable inner chamber and reliable.
- Ideal for basic ashing and burning processes.
- Bottom, side and top walls made of light firebrick.
- Lockable door handle.
- Thanks to the SSR driven duty cycle control algorithm, accurate temperature control.
- Standard chimney with fan
- Easy to use.
- Best price-performance ratio
- Dual shell housing for low outer surface temperature
- Ideal for washing of food, plastic and other organic materials
- Reliable

SPECIFICATIONS

Model	BFX1E1	BFX1E2	BFX1E3	BFX1E4
Old Model	BFMF-950-3	BFMF-1000-5	BFMF-1000-8	BFMF-1000-20
Working Temperature	950 °C	1000 °C		
Volume	3L	5L	8L	20L
Inner Chamber Dimensions [mm] WxHxD	130x105x230	150x150x225	180x160x260	200x180x300
Product Outer Dimensions [mm] WxHxD	336x434x533	376x559x435	406x569x470	426x589x510
Net Weight [kg]	25	24	28	34
Power [W]	1500	2000	2600	3400
Max. Current [A]	7	9.1	11.9	15.5
Electrical Connection	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	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			
Gross Dimensions [mm] WxHxD	420x620x620	436x595x619	466x630x629	486x670x649
Gross Weight [kg]	35	36	41	49
Software	Primary P			
Software based PID Control	YES			
Display	7 Segment			
Heating Program with	2 steps			
Custom Preset Program	1			
Heating Rate °C/min.	5-25			
Date & Time	NO			
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	NO
Sound Warning at the End of the Program	YES
Total Working Hour Counter	NO
Calculator for Average Working Temperature	NO
Instantaneous Energy Consumption Indicator	NO
Over Heating Cut Off	YES
Open Door Sensor	NO
PC Connection Kit	NO
Warranty Period	2 Years
Note	* Only 5th memory supports 32 levels **Independent for each level
Alt Name	Primary Muffle Furnaces

Model	BFX1E5	BFX1E6	BFX1E7
Old Model	BFMF-1100-5	BFMF-1100-8	BFMF-1100-20
Working Temperature	1100 °C		
Volume	5L	8L	20L
Inner Chamber Dimensions [mm] WxHxD	150x150x225	180x160x260	200x180x300
Product Outer Dimensions [mm] WxHxD	376x559x435	406x569x470	426x589x510
Net Weight [kg]	24	28	34
Power [W]	2000	2600	3400
Max. Current [A]	9.1	11.9	15.5
Electrical Connection	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	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		
Gross Dimensions [mm] WxHxD	436x595x619	466x630x629	486x670x649
Gross Weight [kg]	36	41	49
Software	Primary P		
Software based PID Control	YES		
Display	7 Segment		
Heating Program with	2 steps		
Custom Preset Program	1		
Heating Rate °C/min.	5-25		
Date & Time	NO		
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	NO
Sound Warning at the End of the Program	YES
Total Working Hour Counter	NO
Calculator for Average Working Temperature	NO
Instantaneous Energy Consumption Indicator	NO
Over Heating Cut Off	YES
Open Door Sensor	NO
PC Connection Kit	NO
Warranty Period	2 Years
Note	* Only 5th memory supports 32 levels **Independent for each level
Alt Name	Primary Muffle Furnaces

FEATURES

- Advanced heater protection, durable inner chamber and reliable.
- Ideal for basic ashing and burning processes.
- Bottom, side and top walls made of light firebrick.
- Lockable door handle.
- Thanks to the SSR driven duty cycle control algorithm, accurate temperature control.
- Standard chimney with fan
- Easy to use.
- Best price-performance ratio
- Dual shell housing for low outer surface temperature
- Ideal for washing of food, plastic and other organic materials
- Reliable
- 2 year warranty
- New monoblock body design
- They are economic models with optimum insulation properties and basic control options.

MUFFLE BOX FURNACE BFX1B1 TO BFX1B7

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.
- $\pm 1^{\circ}\text{C}$ 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.

SPECIFICATIONS

Model	BFX1B1	BFX1B2	BFX1B3	BFX1B4
Old Model	BFMF-1100-5 B	BFMF-1100-7 B	BFMF-1100-10 B	BFMF-1100-20 B
Working Temperature	1100 $^{\circ}\text{C}$			

Volume	5L	7L	10L	20L
Inner Chamber Dimensions [mm] WxHxD	150x150x225	180x160x260	200x180x300	250x200x395
Product Outer Dimensions [mm] WxHxD	446x618x620	476x628x655	496x648x695	546x668x790
Net Weight [kg]	43	48	50	65
Power [W]	2000	2600	3000	4200
Max. Current [A]	9.1	11.9	13.7	2x9.6 / 1x19.1
Electrical Connection	1 Phase			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	Sidewards			
Gross Dimensions [mm] WxHxD	506x780x678	485x815x688	556x855x708	606x950x728
Gross Weight [kg]	57	63	67	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			
Model	BFX1B5	BFX1B6	BFX1B7	
Old Model	BFMF-1100-40B	BFMF-1100-60B	BFMF-1100-100B	
Working Temperature	1100 °C			
Volume	40L	60L	100L	
Inner Chamber Dimensions [mm] WxHxD	300x300x445	400x300x495	460x365x595	

Product Outer Dimensions [mm] WxHxD	630x785x840	730x785x890	756x833x990
Net Weight [kg]	112	133	160
Power [W]	7500	10200	14000
Max. Current [A]	3x11.4	3x15.5	3x21.2
Electrical Connection	3 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	Sidewards		
Gross Dimensions [mm] WxHxD	690x1000x845	790x1050x845	816x1150x893
Gross Weight [kg]	136	160	190
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.
- ± 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.
- Lift up and Sidewards 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.

MUFFLE BOX FURNACE BFX1C1 TO BFX1C7

STANDARD MUFFLE FURNACES



- Suitable for every kind of processes like ashing, sintering, preheating, melting, oxidizing.
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- 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.
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- Optional protective gas connection, door switch, second thermocouple for different adjustable purposes.

SPECIFICATIONS

Model	BFX1C1	BFX1C2	BFX1C3	BFX1C4
Old Model	BFMF-1200-5	BFMF-1200-7	BFMF-1200-10	BFMF-1200-20
Working Temperature	1200 °C			
Volume	5L	7L	10L	20L
Inner Chamber Dimensions [mm] WxHxD	150x150x225	180x160x260	200x180x300	250x200x395
Product Outer Dimensions [mm] WxHxD	446x618x620	470x628x655	496x648x695	546x668x790
Net Weight [kg]	43	48	50	65

Power [W]	2400	3000	3300	4200
Max. Current [A]	9.1	11.9	13.7	2x9.6 / 1x19.1
Electrical Connection	1 Phase			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	Sidewards			
Gross Dimensions [mm] WxHxD	506x780x678	535x815x688	556x855x708	606x950x728
Gross Weight [kg]	57	63	67	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			

Model	BFX1C5	BFX1C6	BFX1C7
Old Model	BFMF-1200-40	BFMF-1200-60	BFMF-1200-100
Working Temperature	1200 °C		
Volume	40L	60L	100L
Inner Chamber Dimensions [mm] WxHxD	300x300x445	400x300x495	460x365x595
Product Outer Dimensions [mm] WxHxD	630x785x840	730x785x890	756x833x990
Net Weight [kg]	112	133	160
Power [W]	7500	10600	14000
Max. Current [A]	3x11.4	3x15.5	3x21.2

Electrical Connection	3 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	690x1000x845	790x1050x845	816x1150x893
Gross Weight [kg]	134	160	190
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.
- ± 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.
- 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.

MUFFLE BOX FURNACE BFX1D1 TO BFX1D7

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	BFX1D1	BFX1D2	BFX1D3	BFX1D4
Old Model	BFMF-1300-5	BFMF-1300-7	BFMF-1300-10	BFMF-1300-20
Working Temperature	1300 °C			
Volume	5L	7L	10L	20L
Inner Chamber Dimensions [mm] WxHxD	150x150x225	180x160x260	200x180x300	250x200x395
Product Outer Dimensions [mm] WxHxD	446x618x620	476x628x655	496x648x695	546x668x790
Net Weight [kg]	49	56	60	81
Power [W]	2250	3500	4100	4500
Max. Current [A]	10.3	16		2x10.3 / 1x20.6
Electrical Connection	1 Phase			3 or 1 Phase
Heating Element	Fe-Cr-Al			
Thermocouple Type	S 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	None			
Lockable Door Handle	Sidewards			
Gross Dimensions [mm] WxHxD	506x780x678	536x815x688	556x855x708	606x950x728
Gross Weight [kg]	63	71	77	101
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			

Model	BFX1D5	BFX1D6	BFX1D7
Old Model	BFMF-1300-40	BFMF-1300-60	BFMF-1300-100
Working Temperature	1300 °C		
Volume	40L	60L	100L
Inner Chamber Dimensions [mm] WxHxD	300x300x445	400x300x495	460x365x595
Product Outer Dimensions [mm] WxHxD	630x785x840	730x785x890	756x833x990
Net Weight [kg]	112	133	160
Power [W]	7500	10600	14000
Max. Current [A]	3x11.4	3x15.5	3x21.3
Electrical Connection	3 Phase		
Heating Element	Fe-Cr-Al		
Thermocouple Type	S 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	None		
Lockable Door Handle	Sideways		
Gross Dimensions [mm] WxHxD	690x1000x845	790x1050x845	816x1150x893
Gross Weight [kg]	136	160	190
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.

MUFFLE BOX FURNACE BER1BG1 TO BER1BG27

1200°C CERAMIC FIBER MUFFLE FURNACE



1. Mirror stainless steel mouth, long-term use will not change color.
 2. Imported double insulated ceramic liner, stable performance.
 3. Vacuum forming polycrystalline mullite fiber furnace, high efficiency insulation.
 4. In the double shell, the air sleeve is insulated, and the double guiding air passage.
 5. High-precision micro-computer controller and precision sensor are perfectly integrated, and the temperature is accurate.
1. Import time control system and high precise sensor with sensitive response, high precision and good stability.
 2. Adding exhaust devices is beneficial to ashing.
 3. Split design, circuit detachable, easy to maintenance and repair.

SPECIFICATIONS

Model	BER1BG1	BER1BG2	BER1BG3	BER1BG4
Heating Mode	Alloy wire heating in three sides left; right; top side			
Structure				
--Temp. Range	100-1200°C			
--Temp. Resolution Ratio	1°C			
--Temp. motion	±1°C			
--Temp. Rising time to max temp	≤30min			
--Chamber material	Ceramic fiber			
--Outer shell	Cold rolling steel electrostatic spraying exterior			
--Insulation layer	Ceramic fiber			
--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp. control mode	domestic Xiamen Yudian single-stage temperature controller			
--Temp. setting mode	Touch button setting			
--Temp. display mode	Measuring temperature: the upper row, setting temperature: the lower row			
--Timer	SX3: 00-3200min			
--Operation function	Fixed temperature operation, timing function, auto stop.			
--Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory			
--Sensor	High precision K-type sensor			
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specification				
--Inner Chamber size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160

--Exterior size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L
--Current rating (50/60HZ)	AC220V/6.6A	AC220V/13.1A	AC220V/20.4A	AC380V/9.9A
--NW/GW (kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0inch true color screen, programmable controller with USB date storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			
Model	BER1BG5	BER1BG6	BER1BG7	BER1BG8
Heating Mode	Alloy wire heating in three sides left; right; top side			
Structure				
--Temp. Range	100-1200°C			
--Temp. Resolution Ratio	1°C			
--Temp. motion	±1°C			
--Temp. Rising time to max temp	≤30min			
--Chamber material	Ceramic fiber			
--Outer shell	B type: SUS 304 Embossed stainless steel			
--Insulation layer	Ceramic fiber			
--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp. control mode	domestic Xiamen Yudian single-stage temperature controller			
--Temp. setting mode	Touch button setting			
--Temp. display mode	Measuring temperature: the upper row, setting temperature: the lower row			
--Timer	SX3: 00-3200min			
--Operation function	Fixed temperature operation, timing function, auto stop.			
--Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory			
--Sensor	High precision K-type sensor			
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specification				
--Inner Chamber size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160
--Exterior size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L
--Current rating (50/60HZ)	AC220V/6.6A	AC220V/13.1A	AC220V/20.4A	AC380V/9.9A
--NW/GW (kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0inch true color screen, programmable controller with USB date storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			
Model	BER1BG9	BER1BG10	BER1BG11	BER1BG12
Heating Mode	Alloy wire heating in three sides left; right; top side			
Structure				
--Temp. Range	100-1200°C			
--Temp. Resolution Ratio	1°C			

--Temp. motion	±1°C			
--Temp. Rising time to max temp	≤30min			
--Chamber material	Ceramic fiber			
--Outer shell	Cold rolling steel electrostatic spraying exterior			
--Insulation layer	Ceramic fiber			
--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp. control mode	SX4 Type: Japaness conduction single-stage temperature controller			
--Temp. setting mode	Touch button setting			
--Temp. display mode	Measuring temperature: the upper row, setting temperature: the lower row			
--Timer	No Timing Function			
--Operation function	Fixed temperature operation, timing function, auto stop.			
--Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory			
--Sensor	High precision K-type sensor			
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specification				
--Inner Chamber size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160
--Exterior size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L
--Current rating (50/60HZ)	AC220V/6.6A	AC220V/13.1A	AC220V/20.4A	AC380V/9.9A
--NW/Gw (kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0inch true color screen, programmable controller with USB date storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			
Model	BER1BG13	BER1BG14	BER1BG15	BER1BG16
Heating Mode	Alloy wire heating in three sides left; right; top side			
Structure				
--Temp. Range	100-1200°C			
--Temp. Resolution Ratio	1°C			
--Temp. motion	±1°C			
--Temp. Rising time to max temp	≤30min			
--Chamber material	Ceramic fiber			
--Outer shell	B type: SUS 304 Embossed stainless steel			
--Insulation layer	Ceramic fiber			
--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp. control mode	SX4 Type: Japaness conduction single-stage temperature controller			
--Temp. setting mode	Touch button setting			
--Temp. display mode	Measuring temperature: the upper row, setting temperature: the lower row			

--Timer	No Timing Function			
--Operation function	Fixed temperature operation, timing function, auto stop.			
--Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory			
--Sensor	High precision K-type sensor			
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specification				
--Inner Chamber size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160
--Exterior size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L
--Current rating (50/60HZ)	AC220V/6.6A	AC220V/13.1A	AC220V/20.4A	AC380V/9.9A
--Nw/Gw (kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0inch true color screen, programmable controller with USB data storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			
Model	BER1BG17	BER1BG18	BER1BG19	BER1BG20
Heating Mode	Alloy wire heating in three sides left; right; top side			
Structure				
--Temp. Range	100-1200°C			
--Temp. Resolution Ratio	1°C			
--Temp. motion	±1°C			
--Temp. Rising time to max temp	≤30min			
--Chamber material	Ceramic fiber			
--Outer shell	Cold rolling steel electrostatic spraying exterior			
--Insulation layer	Ceramic fiber			
--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp. control mode	SX4-P: Japaness Fuji color LCD 64-segment programmed temperature controller			
--Temp. setting mode	Touch button setting			
--Temp. display mode	Measuring temperature: the upper row, setting temperature: the lower row			
--Timer	SX4-P: 0~99 hours and 59 minutes(with Timing Waiting Function)			
--Operation function	Fixed temperature operation, timing function, auto stop.			
--Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory			
--Sensor	High precision K-type sensor			
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specification				
--Inner Chamber size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160
--Exterior size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L

--Current rating (50/60HZ)	AC220V/6.6A	AC220V/13.1A	AC220V/20.4A	AC380V/9.9A
--NW/GW (kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0inch true color screen, programmable controller with USB date storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			
Model	BER1BG21	BER1BG22	BER1BG23	BER1BG24
Heating Mode	Alloy wire heating in three sides left; right; top side			
Structure				
--Temp. Range	100-1200°C			
--Temp. Resolution Ratio	1°C			
--Temp. motion	±1°C			
--Temp. Rising time to max temp	≤30min			
--Chamber material	Ceramic fiber			
--Outer shell	B type: SUS 304 Embossed stainless steel			
--Insulation layer	Ceramic fiber			
--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp. control mode	SX4-P: Japaness Fuji color LCD 64-segment programmed temperature controller			
--Temp. setting mode	Touch button setting			
--Temp. display mode	Measuring temperature: the upper row, setting temperature: the lower row			
--Timer	SX4-P: 0~99 hours and 59 minutes(with Timing Waiting Function)			
--Operation function	Fixed temperature operation, timing function, auto stop.			
--Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory			
--Sensor	High precision K-type sensor			
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specification				
--Inner Chamber size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160
--Exterior size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L
--Current rating (50/60HZ)	AC220V/6.6A	AC220V/13.1A	AC220V/20.4A	AC380V/9.9A
--NW/GW (kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0inch true color screen, programmable controller with USB date storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			
Model	BER1BG25	BER1BG26	BER1BG27	
Heating Mode	Alloy wire heating in three sides left; right; top side			
Structure				
--Temp. Range	100-1200°C			
--Temp. Resolution Ratio	1°C			
--Temp. motion	±1°C			
--Temp. Rising time to max temp	≤30min			
--Chamber material	Ceramic fiber			

--Outer shell	Cold rolling steel electrostatic spraying exterior		Without B: Cold rolling steel electrostatic spraying exterior; B type: SUS 304 Embossed stainless steel
--Insulation layer	Ceramic fiber		
--Heater	Alloy heating wire		
--Power rating	9.0kw		
--Exhaust hole	Φ30mm(chimney size 80*60mm)		
Controller			
--Temp. control mode	SX3 Type: domestic Xiamen Yudian single-stage temperature controller	SX4 Type: Japanese conduction single-stage temperature controller	SX4-P: Japanese Fuji color LCD 64-segment programmed temperature controller
--Temp. setting mode	Touch button setting		
--Temp. display mode	Measuring temperature: the upper row, setting temperature: the lower row		
--Timer	No Timing Function		SX4-P: 0~99 hours and 59 minutes(with Timing Waiting Function)
--Operation function	Fixed temperature operation, timing function, auto stop.		
--Additional function	Sensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory		
--Sensor	High precision K-type sensor		
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure		
Specification			
--Inner Chamber size(W*L*H)(mm)	300*400*300		
--Exterior size(W*L*H)(mm)	630*885*820		
--Packing size(W*L*H)(mm)	750*970*965		
--Volume	36L		
--Current rating (50/60HZ)	AC380V/13.6A		
--NW/GW (kg)	87/106		
Optional type	Air port, USB interface, 5.0inch true color screen, programmable controller with USB data storage function		
Alt Name	1200°C Ceramic Fiber Muffle Furnace		



FEATURES

1. Mirror stainless steel mouth, long-term use will not change color.
2. Imported double insulated ceramic liner, stable performance.
3. Vacuum forming polycrystalline mullite fiber furnace, high efficiency insulation.
4. In the double shell, the air sleeve is insulated, and the double guiding air passage.
5. High-precision micro-computer controller and precision sensor are perfectly integrated, and the temperature is accurate.

1. Import time control system and high precise sensor with sensitive response, high precision and good stability.
2. Adding exhaust devices is beneficial to ashing.
3. Split design, circuit detachable, easy to maintenance and repair.
4. P model is program temperature control type. program temperature controller can programme multistage program. Simplifies the experimental process and realizes automatic control and operation .

APPLICATIONS

Sintering, melting, elemental analysis and physical measurement within 1200°C of precise control.

MUFFLE BOX FURNACE BGI1M1 TO BGI1M11

PROGRAMMABLE MUFFLE FURNACE



- Unique design of furnace door makes opening door safe and easy, ensure the heat of furnace will not leak out.
- Microcomputer PID controller, easy to operate, accurate, reliable and safe temperature control
- Corrosion-resistant light weight furnace ensure long-term life. (Firebrick furnace or ceramic fiber furnace can be optional)
- The excellent door seal makes the heat loss minimum and increases the uniformity of the temperature in the furnace.
- Programmable controller with 7 groups 63 steps, 0~5999min for each steps., each groups can set rising or remain temperature, and provide a program of temperature, time, heating power cycle.
- Programmable temperature controller can make experiments procedure more simple

SPECIFICATIONS

Model	BGI1M1	BGI1M2	BGI1M3	BGI1M4
Max. Temp	1000			
Volume	2L	7L	16L	30L
Furnace Dimension (WxDxH) mm	120x200x80	200x300x120	250x400x160	300x500x200
Exterior Dimension (WxDxH) mm	400x580x610	520x650x660	570x810x740	700x930x845
Electrical	220V/50HZ			380V/50HZ
Power	2.5KW	4KW	8KW	12KW
Heating Element	Electric furnace wire			
Alt Name	Programmable Muffle Furnace			
Model	BGI1M5	BGI1M6	BGI1M7	
Max. Temp	1200			
Volume	2L	7L	16L	
Furnace Dimension (WxDxH) mm	120x200x80	200x300x120	250x400x160	

Exterior Dimension (WxDxH) mm	400x580x610	520x650x660	570x810x740	
Electrical	220V/50HZ		380V/50HZ	
Power	2.5KW	5KW	8KW	
Heating Element	Nickel chrome wire			
Alt Name	Programmable Muffle Furnace			
Model	BGI1M8	BGI1M9	BGI1M10	BGI1M11
Max. Temp	1000			1200
Volume	2L	7L	16L	
Furnace Dimension (WxDxH) mm	120x200x80	200x300x120	250x400x160	
Exterior Dimension (WxDxH) mm	400x580x610	520x650x660	570x810x740	
Electrical	220V/50HZ		380V/50HZ	
Power	2.5KW	4KW	8KW	10KW
Heating Element	Electric furnace wire			Nickel chrome wire
Alt Name	Programmable Muffle Furnace			

FEATURES

- Unique design of furnace door makes opening door safe and easy, ensure the heat of furnace will not leak out.
- Microcomputer PID controller, easy to operate, accurate, reliable and safe temperature control
- Corrosion-resistant light weight furnace ensure long-term life. (Firebrick furnace or ceramic fiber furnace can be optional)
- The excellent door seal makes the heat loss minimum and increases the uniformity of the temperature in the furnace.
- Programmable controller with 7 groups 63 steps, 0~5999min for each steps., each groups can set rising or remain temperature, and provide a program of temperature, time, heating power cycle.
- Programmable temperature controller can make experiments procedure more simple to realize automatic control. Door and furnace and body are all made of stainless steel which with anti-corrosion.

Safety function:

- The safety switch will automatic shutdown when door open ensures the safety of the operator.
- Over-flow, over-voltage, overheating and various safety measures to ensure safety.
- Ceramic fiberboard insulation material with good heat insulation effect, low temperature on shell surface.

Furnace:

- Ceramic fiber furnace (T series) with light weight, fast heating speed, saving energy and time etc. to satisfy the requirements under various conditions.
- Firebrick furnace (N series) use of traditional refractory materials, wide range of applications, long life and economic.

MUFFLE BOX FURNACE BER1DH1 TO BER1DH12

1200°C CERAMIC FIBER MUFFLE FURNACE



Muffle Box Furnace BER1DH1

1. Mirror stainless steel mouth, long-term use will not change color.
2. Double insulated ceramic liner, stable performance.
3. Vacuum forming polycrystalline mullite fiber furnace, high efficiency insulation.
4. In the double shell, the air sleeve is insulated, and the double guiding air passage.
5. High-precision micro-computer temperature controller and precision sensor are perfectly integrated, and the temperature is accurate.
6. Adding exhaust devices is beneficial to ashing.

SPECIFICATIONS

Model	BER1DH1	BER1DH2	BER1DH3	BER1DH4
Heating Mode	Alloy wire heating in three sides left; right; top side			
Function				
--Temp.Range	100-1200°C			
--Temp.Resolution Ratio	1°C			
--Temp.motion	±1°C			
--Temp.Rising time to max temp	≤30min			
Structure				
--Chamber material	Ceramic fiber			
--Outer shell	SUS 304 Embossed stainless steel			
--Insulation layer	Ceramic fiber			
--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp.control mode	TM3: Type:single-stage temperature controller			
--Temp.setting mode	Touch button setting			
--Temp.display mode	Measuring temperature: the upper row, setting temperature: the lower row			
--Timer	1-3200 mins			
--Operation Function	Fixed temperature operation, timing function, auto stop			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locked, power-off parameter memory			
--Sensor	High precision K-type sensor			
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specifications				
--Inner Chamber Size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160
--Exterior Size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing Size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L
--Current Rating(50/60Hz)	AC220V/6.6A	AC220V/13.6A	AC220V/20.4A	AC380V/9.9A
--NW/GW(kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0 inch true color screen, programmable controller with USB date storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			
Model	BER1DH5	BER1DH6	BER1DH7	BER1DH8
Heating Mode	Alloy wire heating in three sides left; right; top side			
Function				
--Temp.Range	100-1200°C			
--Temp.Resolution Ratio	1°C			
--Temp.motion	±1°C			
--Temp.Rising time to max temp	≤30min			
Structure				
--Chamber material	Ceramic fiber			
--Outer shell	SUS 304 Embossed stainless steel			
--Insulation layer	Ceramic fiber			

--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp.control mode	TM4 Type single-stage temperature controller			
--Temp.setting mode	Touch button setting			
--Temp.display mode	Measuring temperature: the upper row, setting temperature: the lower row			
--Timer	TM4: No Timing Function			
--Operation Function	Fixed temperature operation, timing function, auto stop			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locked, power-off parameter memory			
--Sensor	High precision K-type sensor			
Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specifications				
--Inner Chamber Size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160
--Exterior Size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing Size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L
--Current Rating(50/60Hz)	AC220V/6.6A	AC220V/13.6A	AC220V/20.4A	AC380V/9.9A
--NW/GW(kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0 inch true color screen, programmable controller with USB data storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			
Model	BER1DH9	BER1DH10	BER1DH11	BER1DH12
Heating Mode	Alloy wire heating in three sides left; right; top side			
Function				
--Temp.Range	100-1200°C			
--Temp.Resolution Ratio	1°C			
--Temp.motion	±1°C			
--Temp.Rising time to max temp	≤30min			
Structure				
--Chamber material	Ceramic fiber			
--Outer shell	SUS 304 Embossed stainless steel			
--Insulation layer	Ceramic fiber			
--Heater	Alloy heating wire			
--Power rating	1.5kw	3.0kw	4.5kw	6.0kw
--Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller				
--Temp.control mode	TM4-P: LCD 64-segment programmed temperature controller			
--Temp.setting mode	Touch button setting			
--Temp.display mode	Measuring temperature: the upper row, setting temperature: the lower row			
--Timer	TM4-P: 0-9 hours and 59 minutes(with Timing Waiting Function)			
--Operation Function	Fixed temperature operation, timing function, auto stop			
--Additional Function	Sensor deviation correction, temperature overshoot self-tuning, internal parameter locked, power-off parameter memory			
--Sensor	High precision K-type sensor			

Safety device	Manual door security lock, over temperature sound-light alarm, door opening electrical outage, over-temperature protection, thermocouple failure			
Specifications				
--Inner Chamber Size(W*L*H)(mm)	120*200*80	200*300*120	200*300*200	250*400*160
--Exterior Size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
--Packing Size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
--Volume	2L	7L	12L	16L
--Current Rating(50/60Hz)	AC220V/6.6A	AC220V/13.6A	AC220V/20.4A	AC380V/9.9A
--NW/GW(kg)	33/37	45/50	62/68	77/96
Optional type	Air port, USB interface, 5.0 inch true color screen, programmable controller with USB data storage function			
Alt Name	1200°C Ceramic Fiber Muffle Furnace			

FEATURES BER1DH1 BER1DH2 BER1DH3 BER1DH4

1. Mirror stainless steel mouth, long-term use will not change color.
2. Double insulated ceramic liner, stable performance.
3. Vacuum forming polycrystalline mullite fiber furnace, high efficiency insulation.
4. In the double shell, the air sleeve is insulated, and the double guiding air passage.
5. High-precision micro-computer temperature controller and precision sensor are perfectly integrated, and the temperature is accurate.
6. Adding exhaust devices is beneficial to ashing.

FEATURES BER1DH5 BER1DH6 BER1DH7 BER1DH8 BER1DH9 BER1DH10 BER1DH11 BER1DH12

1. Mirror stainless steel mouth, long-term use will not change color.
2. Double insulated ceramic liner, stable performance.
3. Vacuum forming polycrystalline mullite fiber furnace, high efficiency insulation.
4. In the double shell, the air sleeve is insulated, and the double guiding air passage.
5. High-precision micro-computer temperature controller and precision sensor are perfectly integrated, and the temperature is accurate.
6. Adding exhaust devices is beneficial to ashing.

1. Mirror stainless steel mouth, long-term use will not change color.
2. Double insulated ceramic liner, stable performance.
3. Vacuum forming polycrystalline mullite fiber furnace, high efficiency insulation.
4. In the double shell, the air sleeve is insulated, and the double guiding air passage.
5. High-precision micro-computer temperature controller and precision sensor are perfectly integrated, and the temperature is accurate.
6. Adding exhaust devices is beneficial to ashing.
7. Import time control system and high precise sensor with sensitive response, high precision and good stability.
8. Split design, circuit detachable, easy to maintenance and repair.
9. P model is program temperature control type. Program temperature controller can programme multistage program, simplifies the experimental process and realizes automatic control and operation.

MUFFLE BOX FURNACE BFX1F1 TO BFX1F5

STARTER MUFFLE FURNACES



- Best price-performance ratio
- Dual shell housing for low outer surface temperature
- Ideal for ashing of food, plastic and other organic materials
- Reliable
- 1 year warranty except heating elements and thermocouples. They are super economic models with optimum insulation properties and basic control options.
- Economical, lightweight and reliable.
- Ideal for basic ashing, burning and similar processes.
- Bottom, side and top walls made of light firebrick.
- Lockable door handle.
- Thanks to SSR driven duty cycle control algorithm, accurate temperature control.

SPECIFICATIONS

Model	BFX1F1	BFX1F2	BFX1F3	BFX1F4	BFX1F5
Maximum Working Temperature	1100 °C				
Volume	3L	5L	7L	16L	30L
Continuous Working Temperature (°C)	1050°C				
Inner Chamber Dimensions (mm) WxHxD	130x105x230	150x150x225	180x160x260	200x180x300	240x200x345
Product Outer Dimensions (mm) WxHxD	384x470x475	404x515x475	434x525x505	465x530x530	494x565x590
Net Weight (kg)	22	24	28	32	38
Power (W)	1350	1600	2000	2600	3000
Max. Current (A)	7	8	9	12	14
Electrical Connection	1 Phase				
Heating Element	Fe-Cr-Al				
Thermocouple Type	K Type				
Heating Element Placement	Embedded into brick walls				
Inner Insulation Material	Ceramic Fibre Board or Insulating Fire Brick				
Front Face Insulation Material	Ceramic Fibre Board				
Door Insulation Material	Ceramic Fibre Board				
Housing Material	Steel Sheet				
Housing Coating	Epoxy powder coating				
Chimney	None or Basic Tube, Chimney on top				
Lockable Door Handle	Sideways				
Gross Dimensions (mm) WxHxD	425x640x515	445x685x515	475x695x545	535x735x630	595x785x680
Gross Weight (kg)	35	36	41	46	59
Software	Primary Px				
Software based PID Control	YES				
Display	7 Segment				
Heating Program with	4 steps				
Custom Preset Program	2				
Heating Rate °C/min.	5-25				
Date & Time	NO				

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	NO
Sound Warning at the End of the Program	YES
Total Working Hour Counter	NO
Calculator for Average Working Temperature	NO
Instantaneous Energy Consumption Indicator	NO
Over Heating Cut Off	YES
Open Door Sensor	NO
PC Connection Kit	NO
Warranty Period	2 Years
Note	* Only 5th memory supports 32 levels **Independent for each level
Alt Name	Starter Muffle Furnaces



FEATURES

- Best price-performance ratio
- Dual shell housing for low outer surface temperature
- Ideal for ashing of food, plastic and other organic materials
- Reliable
- 1 year warranty except heating elements and thermocouples. They are super economic models with optimum insulation properties and basic control options.
- Economical, lightweight and reliable.
- Ideal for basic ashing, burning and similar processes.
- Bottom, side and top walls made of light firebrick.
- Lockable door handle.
- Thanks to SSR driven duty cycle control algorithm, accurate temperature control.
- Easy to use.

MUFFLE BOX FURNACE BGI1N1 BGI1N2

1300°C MUFFLE FURNACE



- Unique design of furnace door makes opening door safe and easy, ensure the heat of furnace will not leak out.
- Microcomputer PID controller, easy to operate, accurate, reliable and safe temperature control
- Corrosion-resistant light weight furnace ensure long-term life. (Firebrick furnace or ceramic fiber furnace can be optional)
- The excellent door seal makes the heat loss minimum and increases the uniformity of the temperature in the furnace.
- Programmable controller with 10 groups procedures, each groups can set rising or remain temperature, and provide a program of temperature, time, heating power cycle.
- The furnace door panels are made of stainless steel, which has the characteris

SPECIFICATIONS

Model	BGI1N1	BGI1N2
Furnace Dimension(WxDxH) mm	150x250x100	200x500x180
Exterior Dimension (WxDxH) mm	570x670x710	940x885x850
Furnace Volume	4L	18L
Furnace Material	Firebrick furnace	
Max. Temp	1300°C	
Operating Temp.	≤1250°C	
Temp. Controller	PID programmable controller	
Temp. Accuracy	±1°C	
Temp. Uniformity	5°C (Vertical direction)	
Temp. Increasing/ Decreasing Time	≤45°C / min, 1000-300°C ≥5°C / min	
Heating Element	Silicon Carbon Rod	
Electrical Requirement	AC220V 50HZ	AC380V 50HZ
Power Rating	4KW	8KW
Alt Name	1300°C Muffle Furnace	

FEATURES

- Unique design of furnace door makes opening door safe and easy, ensure the heat of furnace will not leak out.
- Microcomputer PID controller, easy to operate, accurate, reliable and safe temperature control
- Corrosion-resistant light weight furnace ensure long-term life. (Firebrick furnace or ceramic fiber furnace can be optional)
- The excellent door seal makes the heat loss minimum and increases the uniformity of the temperature in the furnace.
- Programmable controller with 10 groups procedures, each groups can set rising or remain temperature, and provide a program of temperature, time, heating power cycle.

• The furnace door panels are made of stainless steel, which has the characteristics of corrosion resistance and no deformation at high temperature.

Safety function:

- The safety switch will automatic shutdown when door open ensures the safety of the operator.
- Over-flow, over-voltage, overheating and various safety measures to ensure safety.
- Firebrick furnace (N series) use of traditional refractory materials, wide range of applications, long life and economic.

MUFFLE BOX FURNACE BER1BH1 TO BER1BH18

1600°C CERAMIC FIBER MUFFLE FURNACE



1. Mirror stainless steel furnace mouth, long-term use will not change color
2. Vacuum-forming polycrystalline mullite fiber furnace, high efficiency insulation.
3. Double shell, the air sleeve heat insulation, and double air guiding passage.
4. High-purity silicon-molybdenum rod heating, and with standard exhaust chimney.
5. High precision program controller, with imported sensor and imported voltage regulating module.
6. With leakage protection, thermocouple failure, door opening electrical outage, over-temperature protection and sound-light alarm safety device.
7. Lockable handle, quick detachable structure, easy to maintenance and repair.
8. Standard with insulated gloves, crucible tongs and Alumina load bearing board

SPECIFICATIONS

Model	BER1BH1	BER1BH2	BER1BH3
Function			
--Temp. Range	Max 1600°C (Long time continuous working temperature 1500°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤130min		
Structure			
--Furnace Body	Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	150*90*150	150*150*150	300*150*150
--Exhaust Hole	OD Φ 22, ID Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	3KW	5.5KW	9KW
Controller			
--Temp. Control	LED Programmed Controller		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	4 keys Settings		
--Timer	0~9999min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	600*755*1100	600*815*1100	750*815*1100
--Packing Size (W*L*H)(mm)	760*925*1310	760*985*1310	910*985*1310
--Volume	2L	4L	8L
--Current Rating (50/60HZ)	AC220V 50Hz		AC220V/AC380V
--Nw/Gw (kg)	70/90	80/100	110/130
Optional Type	485 Communication, U Disk Data Storage		

Alt Name	30 Segment Domestic Controller	--30 Segment Domestic Controller	30 Segment Domestic Controller
Model	BER1BH4	BER1BH5	BER1BH6
Function			
--Temp. Range	Max 1600°C (Long time continuous working temperature 1500°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤130min		
Structure			
--Furnace Body	Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Exhaust Hole	OD Φ 22, ID Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	10KW	12KW	15KW
Controller			
--Temp. Control	LED Programmed Controller		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	4 keys Settings		
--Timer	0~9999min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	750*865*1150	750*925*1210	750*1065*1250
--Packing Size (W*L*H)(mm)	910*1045*1360	910*1105*1420	910*1265*1460
--Volume	12L	20L	36L
--Current Rating (50/60HZ)	AC380V 50Hz		
--Nw/Gw (kg)	150/170	175/195	270/320
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	30 Segment Domestic Controller		
Model	BER1BH7	BER1BH8	BER1BH9
Function			
--Temp. Range	Max 1600°C (Long time continuous working temperature 1500°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤130min		
Structure			
--Furnace Body	Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	150*90*150	150*150*150	300*150*150
--Exhaust Hole	OD Φ 22, ID Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	3KW	5.5KW	9KW
Controller			
--Temp. Control	LCD Imported Programmed Controller		

--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	5 key settings		
--Timer	0-99hour 59 min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	600*755*1100	600*815*1100	750*815*1100
--Packing Size (W*L*H)(mm)	760*925*1310	760*985*1310	910*985*1310
--Volume	2L	4L	8L
--Current Rating (50/60HZ)	AC220V 50Hz		AC220V/AC380V
--Nw/Gw (kg)	70/90	80/100	110/130
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	64 Segment Import Controller		
Model	BER1BH10	BER1BH11	BER1BH12
Function			
--Temp. Range	Max 1600°C (Long time continuous working temperature 1500°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤130min		
Structure			
--Furnace Body	Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Exhaust Hole	OD Φ 22, ID Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	10KW	12KW	15KW
Controller			
--Temp. Control	LCD Imported Programmed Controller		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	5 key settings		
--Timer	0-99hour 59 min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	750*865*1150	750*925*1210	750*1065*1250
--Packing Size (W*L*H)(mm)	910*1045*1360	910*1105*1420	910*1265*1460
--Volume	12L	20L	36L
--Current Rating (50/60HZ)	AC380V 50Hz		
--Nw/Gw (kg)	150/170	175/195	270/320
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	64 Segment Import Controller		
Model	BER1BH13	BER1BH14	BER1BH15

Function			
--Temp. Range	Max 1600°C (Long time continuous working temperature 1500°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤130min		
Structure			
--Furnace Body	Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	150*90*150		
--Exhaust Hole	OD Φ 22, ID Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	3KW	5.5KW	9KW
Controller			
--Temp. Control	7.0 inch touch screen program controller, with curve viewing and USB data storage functions.		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	Touch Type Operation		
--Timer	0~9999min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	600*755*1100	600*815*1100	750*815*1100
--Packing Size (W*L*H)(mm)	760*925*1310	760*985*1310	910*985*1310
--Volume	2L	4L	8L
--Current Rating (50/60HZ)	AC220V 50Hz		AC220V/AC380V
--Nw/Gw (kg)	70/90	80/100	110/130
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	30 Segment 7.0 inch Touch Screen Controller		
Model	BER1BH16	BER1BH17	BER1BH18
Function			
--Temp. Range	Max 1600°C (Long time continuous working temperature 1500°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤130min		
Structure			
--Furnace Body	Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Exhaust Hole	OD Φ 22, ID Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	10KW	12KW	15KW
Controller			
--Temp. Control	7.0 inch touch screen program controller, with curve viewing and USB data storage functions.		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	Touch Type Operation		

--Timer	0~9999min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	750*865*1150	750*925*1210	750*1065*1250
--Packing Size (W*L*H)(mm)	910*1045*1360	910*1105*1420	910*1265*1460
--Volume	12L	20L	36L
--Current Rating (50/60HZ)	AC380V 50Hz		
--Nw/Gw (kg)	150/170	175/195	270/320
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	30 Segment 7.0 inch Touch Screen Controller		



FEATURES

1. Mirror stainless steel furnace mouth, long-term use will not change color
2. Vacuum-forming polycrystalline mullite fiber furnace, high efficiency insulation.
3. Double shell, the air sleeve heat insulation, and double air guiding passage.
4. High-purity silicon-molybdenum rod heating, and with standard exhaust chimney.
5. High precision program controller, with imported sensor and imported voltage regulating module.
6. With leakage protection, thermocouple failure, door opening electrical outage, over-temperature protection and sound-light alarm safety device.
7. Lockable handle, quick detachable structure, easy to maintenance and repair.
8. Standard with insulated gloves, crucible tongs and Alumina load bearing board.

APPLICATIONS

It is used for sintering, melting and analyzing metal, nonmetal and other compound materials in laboratories of universities, research institutes and industrial and mining enterprises.

MUFFLE BOX FURNACE BER1BI1 TO BER1BI18

1700°C CERAMIC FIBER MUFFLE FURNACE



1. Mirror stainless steel furnace mouth, long-term use will not change color.
2. -forming polycrystalline mullite fiber furnace, high efficiency insulation.
3. Double shell, the air sleeve heat insulation, and double air guiding passage .
4. High-purity silicon--molybdenum rod heating, and with standard exhaust chimney.
5. High precision program controller, with imported sensor and imported voltage regulating module.
6. With leakage protection, thermocouple failure, door opening electrical outage, over-temperature protection and sound-light alarm safety device.
7. Lockable handle, quick detachable structure,easy to maintenance and repair.
8. Standard with insulated gloves, crucible tongs and Alumina load bearing board

SPECIFICATIONS

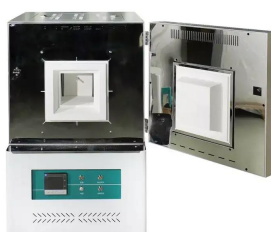
Model	BER1BI1	BER1BI2	BER1BI3
Function			
--Temp. Range	Max 1700°C (Long time continuous working temperature 1650°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤140min		
Structure			
--Furnace Body	HHR Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	150*90*150	150*150*150	300*150*150
--Exhaust Hole	Di Φ 22, De Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	3KW	5.5KW	9KW
Controller			
--Temp. Control	LED Programmed Controller		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	4 keys Settings		
--Timer	0~9999min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L *H)(mm)	600*755*1100	600*815*1100	750*815*1100
--Packing Size (W*L *H)(mm)	760*925*1310	760*985*1310	910*985*1310
--Volume	2L	4L	8L
--Current Rating (50/60HZ)	AC220V 50Hz		
--Nw/Gw (kg)	70/90	80/100	110/130
Optional Type	485 Communication, U Disk Data Storage		

Alt Name	30 Segment Domestic Controller		
Model	BER1BI4	BER1BI5	BER1BI6
Function			
--Temp. Range	Max 1700°C (Long time continuous working temperature 1650°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤140min		
Structure			
--Furnace Body	HHR Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Exhaust Hole	Di Φ 22, De Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	10KW	12KW	15KW
Controller			
--Temp. Control	LED Programmed Controller		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	4 keys Settings		
--Timer	0~9999min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	750*865*1150	750*925*1210	750*1065*1250
--Packing Size (W*L*H)(mm)	910*1045*1360	910*1105*1420	910*1265*1460
--Volume	12L	20L	36L
--Current Rating (50/60HZ)	AC380V 50Hz		
--Nw/Gw (kg)	150/170	175/195	270/320
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	30 Segment Domestic Controller		
Model	BER1BI7	BER1BI8	BER1BI9
Function			
--Temp. Range	Max 1700°C (Long time continuous working temperature 1650°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤140min		
Structure			
--Furnace Body	HHR Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	150*90*150	150*150*150	300*150*150
--Exhaust Hole	Di Φ 22, De Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	3KW	5.5KW	9KW
Controller			
--Temp. Control	LCD Imported Programmed Controller		

--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	5 key settings		
--Timer	0-99hour 59 min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	600*755*1100	600*815*1100	750*815*1100
--Packing Size (W*L*H)(mm)	760*925*1310	760*985*1310	910*985*1310
--Volume	2L	4L	8L
--Current Rating (50/60HZ)	AC220V 50Hz		
--Nw/Gw (kg)	70/90	80/100	110/130
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	64 Segment Import Controller		
Model	BER1BI10	BER1BI11	BER1BI12
--Temp. Range	Max 1700°C (Long time continuous working temperature 1650°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤140min		
Structure			
--Furnace Body	HHR Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Exhaust Hole	Di Φ 22, De Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	10KW	12KW	15KW
Controller			
--Temp. Control	LCD Imported Programmed Controller		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	5 key settings		
--Timer	0-99hour 59 min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	750*865*1150	750*925*1210	750*1065*1250
--Packing Size (W*L*H)(mm)	910*1045*1360	910*1105*1420	910*1265*1460
--Volume	12L	20L	36L
--Current Rating (50/60HZ)	AC380V 50Hz		
--Nw/Gw (kg)	150/170	175/195	270/320
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	64 Segment Import Controller		
Model	BER1BI13	BER1BI14	BER1BI15
Function			

--Temp. Range	Max 1700°C (Long time continuous working temperature 1650°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤140min		
Structure			
--Furnace Body	HHR Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	150*90*150	150*150*150	300*150*150
--Exhaust Hole	Di Φ 22, De Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	3KW	5.5KW	9KW
Controller			
--Temp. Control	7.0 inch touch screen program controller, with curve viewing and USB data storage functions.		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	Touch Type Operation		
--Timer	0~9999min		
--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	600*755*1100	600*815*1100	750*815*1100
--Packing Size (W*L*H)(mm)	760*925*1310	760*985*1310	910*985*1310
--Volume	2L	4L	8L
--Current Rating (50/60HZ)	AC220V 50Hz		
--Nw/Gw (kg)	70/90	80/100	110/130
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	30 Segment 7.0 inch Touch Screen Controller		
Model	BER1BI16	BER1BI17	BER1BI18
Function			
--Temp. Range	Max 1700°C (Long time continuous working temperature 1650°C)		
--Temp. Accuracy	± 1°C		
--Temp. Resolution Ratio	1°C		
--Temp. RISING Time To Max Temp	≤140min		
Structure			
--Furnace Body	HHR Polycrystalline Mullite Fiber		
--Outer Shell	Cold rolling steel with electrostatic Spraying exterior		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Exhaust Hole	Di Φ 22, De Φ 18		
--Heater	Silicon Molybdenum Rod		
--Heating Power	10KW	12KW	15KW
Controller			
--Temp. Control	7.0 inch touch screen program controller, with curve viewing and USB data storage functions.		
--Temp. Control Mode	Intelligent Microcomputer PID Control		
--Display Mode	Touch Type Operation		
--Timer	0~9999min		

--Operation Function	Constant Value Operation Or Program Operation		
--Sensor	S-type Thermocouple		
--Additional Function	Heating Start Stop Button, Sensor Fault Alarm, Temperature Overshoot Self Setting, Temperature Correction		
--Safety Device	Over temperature Alarm, Leakage Protection, Door Opening Heating		
Specification			
--Exterior Size (W*L*H)(mm)	750*865*1150	750*925*1210	750*1065*1250
--Packing Size (W*L*H)(mm)	910*1045*1360	910*1105*1420	910*1265*1460
--Volume	12L	20L	36L
--Current Rating (50/60HZ)	AC380V 50Hz		
--Nw/Gw (kg)	150/170	175/195	270/320
Optional Type	485 Communication, U Disk Data Storage		
Alt Name	30 Segment 7.0 inch Touch Screen Controller		



FEATURES

1. Mirror stainless steel furnace mouth, long-term use will not change color.
2. -forming polycrystalline mullite fiber furnace, high efficiency insulation.
3. Double shell, the air sleeve heat insulation, and double air guiding passage .
4. High-purity silicon--molybdenum rod heating, and with standard exhaust chimney.
5. High precision program controller, with imported sensor and imported voltage regulating module.
6. With leakage protection, thermocouple failure, door opening electrical outage, over-temperature protection and sound-light alarm safety device.
7. Lockable handle, quick detachable structure,easy to maintenance and repair.
8. Standard with insulated gloves, crucible tongs and Alumina load bearing board.

APPLICATIONS

It is used for sintering, melting and analyzing metal, nonmetal and other compound materials in laboratories of universities, research institutes and industrial and mining enterprises.

MUFFLE BOX FURNACE BER1D1 TO BER1D18

1700°C CERAMIC FIBER MUFFLE FURNACE

This series of electric furnace is specially developed for sintering, melting and analysis of metal, non-metal and other compound materials in laboratories of universities, research institutes and industrial and mining enterprises.



1. Mirror stainless steel mouth, long-term use will not change color. Brand door handle with lock, cover quick removal structure to facilitate the replacement of silicon molybdenum rod.
2. Vacuum forming high temperature resistant polycrystalline mullite fiber furnace, efficient heat preservation. Air jacket insulation in double housing. Double ventilation channels to ensure good ventilation and low shell temperature rise.
3. High temperature and high purity silicon molybdenum rod, long working life, good furnace temperature uniformity.
4. A full range of standard program temperature control meter, high-precision B-type sensor, voltage regulator module with all copper core transformer, stable furnace temperature control, high precision.
5. Leakage protection, thermocouple failure, open door power off, over-temperature protection.

SPECIFICATIONS

Model	BER1D1	BER1D2	BER1D3
Function			
--Temp Range	Max 1700°C (Long-term max continuous operating temp 1650°C)		
--Temp Accuracy	±1°C		
--Temp Resolution Ratio	1°C		
--Temperature Rise Time	≤140 min		
Structure			
--Variable Hearth Volume	High temperature resistant polycrystalline mullite fibre		
--Exterior	Cold-rolled steel plate, surface spray treatment		
--Chamber Size	150*90*150	150*150*150	300*150*150
--Heater	High temperature resistant silicon molybdenum rod		
--Heating Power	3kW	5.5kW	9kW
Controller			
--Temp Control	LED Programmed controller		
--Temperature Control Mode	Intelligent microcomputer PID control		
--Setting Method	4 Key Settings		
--Timer	0-9999 minutes		
--Operation Function	Fixed value running or program running		
--Sensor	Type B thermocouple		
--Additional Function	Heating start and stop button, sensor fault alarm, temperature overshoot self-setting, temperature correction		
Safety Device	Over temperature alarm, leakage protection, door off heating		
Specification			
--Exterior Size	600*755*1100	600*815*1100	750*815*1100
--Packing Size	760*925*1310	760*985*1310	910*985*1310
--Inner Volume	2L	3.4L	6.7L
--Power Supply	AC220V/50Hz		
--NW/GW	70/90	80/100	110/130
Addable Configuration	Charging port		

Alt Name	30 Segment Domestic Controller		
Model	BER1DI4	BER1DI5	BER1DI6
Function			
--Temp Range	Max 1700°C (Long-term max continuous operating temp 1650°C)		
--Temp Accuracy	±1°C		
--Temp Resolution Ratio	1°C		
--Temperature Rise Time	≤140 min		
Structure			
--Variable Hearth Volume	High temperature resistant polycrystalline mullite fibre		
--Exterior	Cold-rolled steel plate, surface spray treatment		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Heater	High temperature resistant silicon molybdenum rod		
--Heating Power	10kW	12kW	15kW
Controller			
--Temp Control	LED Programmed controller		
--Temperature Control Mode	Intelligent microcomputer PID control		
--Setting Method	4 Key Settings		
--Timer	0-9999 minutes		
--Operation Function	Fixed value running or program running		
--Sensor	Type B thermocouple		
--Additional Function	Heating start and stop button, sensor fault alarm, temperature overshoot self-setting, temperature correction		
Safety Device	Over temperature alarm, leakage protection, door off heating		
Specification			
--Exterior Size	750*865*1150	750*925*1210	750*1065*1250
--Packing Size	910*1045*1360	910*1105*1420	910*1265*1460
--Inner Volume	12L	20L	36L
--Power Supply	AC220V/50Hz		
--NW/GW	150/170	175/195	270/320
Addable Configuration	Charging port		
Alt Name	30 Segment Domestic Controller		
Model	BER1DI7	BER1DI8	BER1DI9
Function			
--Temp Range	Max 1700°C (Long-term max continuous operating temp 1650°C)		
--Temp Accuracy	±1°C		
--Temp Resolution Ratio	1°C		
--Temperature Rise Time	≤140 min		
Structure			
--Variable Hearth Volume	High temperature resistant polycrystalline mullite fibre		
--Exterior	Cold-rolled steel plate, surface spray treatment		
--Chamber Size	150*90*150	150*150*150	300*150*150
--Heater	High temperature resistant silicon molybdenum rod		
--Heating Power	3kW	5.5kW	9kW
Controller			
--Temp Control	LCD Imported programmed controller		
--Temperature Control Mode	Intelligent microcomputer PID control		
--Setting Method	5 Key Settings		

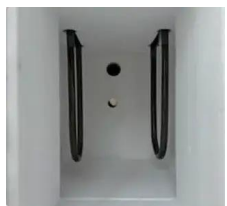
--Timer	0-9 hours 59 minutes		
--Operation Function	Fixed value running or program running		
--Sensor	Type B thermocouple		
--Additional Function	Heating start and stop button, sensor fault alarm, temperature overshoot self-setting, temperature correction		
Safety Device	Over temperature alarm, leakage protection, door off heating		
Specification			
--Exterior Size	600*755*1100	600*815*1100	750*815*1100
--Packing Size	760*925*1310	760*985*1310	910*985*1310
--Inner Volume	2L	3.4L	6.7L
--Power Supply	AC220V/50Hz		
--NW/GW	70/90	80/100	110/130
Addable Configuration	Charging port		
Alt Name	64 Segment import Controller		
Model	BER1DI10	BER1DI11	BER1DI12
Function			
--Temp Range	Max 1700°C (Long-term max continuous operating temp 1650°C)		
--Temp Accuracy	±1°C		
--Temp Resolution Ratio	1°C		
--Temperature Rise Time	≤140 min		
Structure			
--Variable Hearth Volume	High temperature resistant polycrystalline mullite fibre		
--Exterior	Cold-rolled steel plate, surface spray treatment		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Heater	High temperature resistant silicon molybdenum rod		
--Heating Power	10kw	12kw	15kw
Controller			
--Temp Control	LCD Imported programmed controller		
--Temperature Control Mode	Intelligent microcomputer PID control		
--Setting Method	5 Key Settings		
--Timer	0-9 hours 59 minutes		
--Operation Function	Fixed value running or program running		
--Sensor	Type B thermocouple		
--Additional Function	Heating start and stop button, sensor fault alarm, temperature overshoot self-setting, temperature correction		
Safety Device	Over temperature alarm, leakage protection, door off heating		
Specification			
--Exterior Size	750*865*1150	750*925*1210	750*1065*1250
--Packing Size	910*1045*1360	910*1105*1420	910*1265*1460
--Inner Volume	12L	20L	36L
--Power Supply	AC220V/50Hz		
--NW/GW	150/170	175/195	270/320
Addable Configuration	Charging port		
Alt Name	64 Segment import Controller		
Model	BER1DI13	BER1DI14	BER1DI15
Function			
--Temp Range	Max 1700°C (Long-term max continuous operating temp 1650°C)		
--Temp Accuracy	±1°C		

--Temp Resolution Ratio	1°C		
--Temperature Rise Time	≤140 min		
Structure			
--Variable Hearth Volume	High temperature resistant polycrystalline mullite fibre		
--Exterior	Cold-rolled steel plate, surface spray treatment		
--Chamber Size	150*90*150	150*150*150	300*150*150
--Heater	High temperature resistant silicon molybdenum rod		
--Heating Power	3kW	5.5kW	9kW
Controller			
--Temp Control	7.0 inch touch screen program temperature controller, with curve view, U diskdata storage function		
--Temperature Control Mode	Intelligent microcomputer PID control		
--Setting Method	touch operation		
--Timer	0-9999 minutes		
--Operation Function	Fixed value running or program running		
--Sensor	Type B thermocouple		
--Additional Function	Heating start and stop button, sensor fault alarm, temperature overshoot self-setting, temperature correction, U disk data storage function		
Safety Device	Over temperature alarm, leakage protection, door off heating		
Specification			
--Exterior Size	600*755*1100	600*815*1100	750*815*1100
--Packing Size	760*925*1310	760*985*1310	910*985*1310
--Inner Volume	2L	3.4L	6.7L
--Power Supply	AC380V/50Hz		
--NW/GW	70/90	80/100	110/130
Addable Configuration	Charging port		
Alt Name	30 Segment 7.0-inch Touch screen		
Model	BER1DI16	BER1DI17	BER1DI18
Function			
--Temp Range	Max 1700°C (Long-term max continuous operating temp 1650°C)		
--Temp Accuracy	±1°C		
--Temp Resolution Ratio	1°C		
--Temperature Rise Time	≤140 min		
Structure			
--Variable Hearth Volume	High temperature resistant polycrystalline mullite fibre		
--Exterior	Cold-rolled steel plate, surface spray treatment		
--Chamber Size	300*200*200	300*260*260	300*400*300
--Heater	High temperature resistant silicon molybdenum rod		
--Heating Power	10kW	12kW	15kW
Controller			
--Temp Control	7.0 inch touch screen program temperature controller, with curve view, U diskdata storage function		
--Temperature Control Mode	Intelligent microcomputer PID control		
--Setting Method	touch operation		
--Timer	0-9999 minutes		
--Operation Function	Fixed value running or program running		
--Sensor	Type B thermocouple		
--Additional Function			
Safety Device	Over temperature alarm, leakage protection, door off heating		

Specification			
--Exterior Size	750*865*1150	750*925*1210	750*1065*1250
--Packing Size	910*1045*1360	910*1105*1420	910*1265*1460
--Inner Volume	12L	20L	36L
--Power Supply	AC380V/50Hz		
--NW/GW	150/170	175/195	270/320
Addable Configuration	Charging port		
Alt Name	30 Segment 7.0-inch Touch screen		

FEATURES

1. Mirror stainless steel mouth, long-term use will not change color. Brand door handle with lock, cover quick removal structure to facilitate the replacement of silicon molybdenum rod.
2. Vacuum forming high temperature resistant polycrystalline mullite fiber furnace, efficient heat preservation. Air jacket insulation in double housing. Double ventilation channels to ensure good ventilation and low shell temperature rise.
3. High temperature and high purity silicon molybdenum rod, long working life, good furnace temperature uniformity.
4. A full range of standard program temperature control meter, high-precision B-type sensor, voltage regulator module with all copper core transformer, stable furnace temperature control, high precision.
5. Leakage protection, thermocouple failure, open door power off, over-temperature protection, over-temperature sound and light alarm lamp - a number of safety protection measures to ensure the safety of the experiment.
6. Standard heat insulation gloves, crucible pliers, alumina bearing plate.





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