



## MUFFLE BOX FURNACE BER-3314

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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                           | BER-3314                                                                                                  |
|---------------------------------|-----------------------------------------------------------------------------------------------------------|
| 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                 | 5.5KW                                                                                                     |
| 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*815*1100                                                                                              |
| --Packing Size (W*L*H)(mm)      | 760*985*1310                                                                                              |
| --Volume                        | 4L                                                                                                        |
| --Current Rating (50/60HZ)      | AC220V 50Hz                                                                                               |
| --Nw/Gw (kg)                    | 80/100                                                                                                    |
| Optional Type                   | 485 Communication, U Disk Data Storage                                                                    |



## FEATURES

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## 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.



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