



## MUFFLE BOX FURNACE BER-3209

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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.

## SPECIFICATIONS

| Model                           | BER-3209                                                                                                                                         |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                            |
| --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                                                                                                                                       |
| --Exterior size(W*L*H)(mm)      | 450*685*600                                                                                                                                      |
| --Packing size(W*L*H)(mm)       | 570*770*740                                                                                                                                      |
| --Volume                        | 2L                                                                                                                                               |
| --Current rating (50/60HZ)      | AC220V/6.6A                                                                                                                                      |
| --NW/GW (kg)                    | 33/37                                                                                                                                            |

|               |                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------|
| 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                                                                        |



## APPLICATIONS

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



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