



## MUFFLE BOX FURNACE BER-8509

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1200°C CERAMIC FIBER MUFFLE FURNACE



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                           | BER-8509                                                                                                                                         |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                            |
| --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                                                                                                                                       |
| --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, 5.0 inch true color screen, programmable controller with USB date storage function |
| Alt Name      | 1200°C Ceramic Fiber Muffle Furnace                                                                         |

## MORE INFO

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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.



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