

**Specifications:**

- Chamber Size(DxWxH)mm: 200x300x200
- Chamber Size(DxWxH)inch:8"x12"x8"
- Capacity in Liter :12 Liter
- Power Rating (KW) : 6.0 KW

Temperature (°C) :

- Maximum : 1700°C
- Working : 1600°C
- Accuracy : $\pm 1^\circ\text{C}$
- Controller : Microcomputer Based Digital Temperature Controller
- Heating Element : High Quality Molybdenum Disilicide (MoSi₂) heater
- Thermocouple : B – Type
- Heating Rate : $\leq 15^\circ\text{C}/\text{min}$
- Recommended Heating Rate : $\leq 10^\circ\text{C}/\text{min}$
- Timer : Start / Stop setting; 1min – 99hr59min
- Safety Protection : Overheat and thermocouple-break alarm
- Temperature Controller : Intelligent microcomputer PID controller can program 30 segments
- Chamber Material : High temp. 1800 Grade polycrystal alumina ceramic fiber material

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- Outer body Material : High quality cold-rolled steel sheets CNC processing
- Insulation : High quality thermal insulation material to ensure a good uniformity
- Interface : RS232 communication interface for real-time recording(Optional)
- Certification: ISO9001, CE
- Accessories : High temperature thermal gloves(01-Pair), Crucible tongs(01-Pair)
- Phase : Single Phase
- Power Input : AC230V/50Hz
- Laboratory Muffle Furnace Has Many Advantages Of Uniform Temperature Field, Low Surface Temperature, Heating Or Cooling Promptly, Energy Saving And So On.
- Muffle Furnace Has The Product Uses High-Purity Alumina Material As The Furnace Material, And The High-Quality Silicon Molybdenum Rod Is Used For Heating Element, And The Temperature Controller Uses Microcomputer Pid Control Module To Achieve Precise Temperature Control And Constant Temperature Requirements
- Muffle Furnace For High Temperature Sintering, Metal Annealing, Quality Inspection In Industry, Scientific Research Institutes And Universities.

Technical Features:

- The Furnace Material Is Vacuum-Formed Alumina Ceramic Fiber Material And Does Not Drop Powder In High Temperature; Heat Capacity Is Small, Energy Saving Above 50%.
- High Temperature Control Accuracy, Small Temperature Compensation And Temperature Accuracy ± 1 °C.
- The Machine Will Send Out An Alarm Signal To The Over-Temperature During The Working Process, And Automatically Complete The Protection Action.
- The Heating Element Is Made Of High-Quality Silicon Molybdenum Rod, Which Can Bear Large Load, Stable And Long Service Life; The Silicon Molybdenum Rod Is Evenly Arranged On Both Sides Of The Furnace, And The Temperature Field Uniformity Is Good.
- Using Intelligent Pid Temperature Control Instrument, With Program Function, Can Set The Temperature Rise Curve, Can Be Programmed 30 Segments.
- When The Instrument Program Is Set, Just Press The Run Button And The Next Work

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Will Be Completed Automatically.

- Patented Temperature Control Design, Fast Heating Rate, Good Temperature Uniformity, Can Be Raised To 1600°C Within 150 Minutes, More Than 3 Times Higher Than The Same Specification Electric Furnace Sintering Efficiency In The Industry, Safe And Efficient.
- Electronic Components Are Used Schneider Products, With Leakage Protection, Safe And Reliable.
- Optional Large-Screen Paperless Recorder Or Rs232 Communication Interface For Real-Time Recording Of Temperature Rise Curves, With Memory Card For Analysis And Printing Of Experimental Data.

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