Muffle Furnace

Brand **Master Science** | Unit **Pc**



FeaturesMaximum Operating Temperature: 1200°C.Insulation: High-purity fibrous alumina for maximum energy saving.Temperature Controller: Equipped with a domestic Xiamen Yudian single-stage temperature controller.SafetyDouble-Layer Steel Structure: Includes an air cooling fan to keep the furnace exterior safe to touch.Safety Interlock System: Automatically powers off the furnace when the door is opened.OptionalChamber Sizes: Various sizes available.LCD Touchscreen Control...

KEY HIGHLIGHTS

- Insulation
- Temperature Controller
- Double-Layer Steel Structure
- Safety Interlock System

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Key Features

Insulation
High-purity fibrous alumina for maximum energy saving.

Temperature Controller
Equipped with a domestic Xiamen Yudian single-stage temperature controller.

SAFETY

Double-Layer Steel Structure
Includes an air cooling fan to keep the furnace exterior safe to touch.

Safety Interlock System
Automatically powers off the furnace when the door is opened.

Technical Specifications

PARAMETER	SPECIFICATION
Maximum Operating Temperature	1200°C.
Heating Mode	Alloy wire heating in three sides (left, right, top side).
Temperature Range	100-1200℃
Temperature Resolution Ratio	1℃
Temperature Motion	±1℃
Temperature Rising Time to Max Temp	≤30 min
Chamber Material	Ceramic fiber
Outer Shell	Cold rolling steel electrostatic spraying exterior
Insulation Layer	Ceramic fiber

PARAMETER	SPECIFICATION
HeaterAlloy heating wire	
Power Rating3.0 kW	
Exhaust Holeφ30mm (chimney size 80*60mm)	
Temperature Control ModeDomestic single-stage temperature controller	
Temperature Setting ModeTouch button setting	
Temperature Display ModeLED upper row (measuring temperature), lower row (setting temperature)	
TimerTiming Function	
Operation FunctionFixed temperature operation, auto stop.	
SensorPlatinum-rhodium sensor	
Inner Chamber Size (WDH)200300120 mm	
Exterior Size (WDH)530785640 mm	
Packing Size (WLH)660875770 mm	
Volume7L	
Current Rating (50/60HZ)AC220V/13.6A	
Function	
Structure	
Controller	
Additional FunctionSensor deviation correction, Temperature overshoot self-tuning, Internal parameter locked, Power-off parameter memory	
Safety Device	
Manual door security lock	
Over temperature sound-light alarm	
Door opening electrical outage	
Over-temperature protection thermo couple failure	
Chamber Specification	

Optional Accessories

- Chamber Sizes: Various sizes available.
- LCD Touchscreen Control: Available as an option.
- Program Software: Optional software for computer connectivity