

1200°C Ceramic Fiber Muffle Furnace

- Mirror stainless steel mouth, long-term use will not change color.
- Double insulated ceramic liner, stable performance.
- Vacuum forming polycrystalline mullite fiber furnace, high efficiency insulation.
- In the double shell, the air sleeve is insulated, and the double guiding air passage.
- High-precision micro-computer temperature controller and precision sensor are perfectly integrated, and the temperature is accurate.
- Adding exhaust devices is beneficial to ashing.

◎TM4 model also has the following characteristics:

- Import time control system and high precise sensor with sensitive response, high precision and good stability.
- Split design, circuit detachable, easy to maintenance and repair.
- P model is program temperature control type. program temperature controller can programme multistage program, simplifies the experimental process and realizes automatic control and operation.



◎Main Technical Parameters:

Model		TM3-2-12	TM3-7-12	TM3-12-12	TM3-16-12
		TM4-2-12	TM4-7-12	TM4-12-12	TM4-16-12
		TM4-2-12P	TM4-7-12P	TM4-12-12P	TM4-16-12P
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	3.0kw	4.5kw	6.0kw
	Exhaust hole	Φ30mm(chimney size 80*60mm)			
Controller	Temp.control mode	TM3: Type:Chinese Brand single-stage temperature controller TM4 Type:Japaness conduction single-stage temperature controller TM4-P:Japanese Fuji color 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: No Timing Function;TM4-P:0-99 hours and 59 minutes(with Timing Waiting Function) TM3: 1-3200mins			
	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	200*300*120	200*300*200	250*400*160
	Exterior Size(W*L*H)(mm)	450*685*600	530*785*640	530*785*720	600*895*700
	Packing Size(W*L*H)(mm)	570*770*740	650*870*780	655*875*865	720*980*845
	Volume	2L	7L	12L	16L
	Current Rating(50/60hz)	AC220v/6.6A	AC220V/13.6A	AC220V/20.4A	AC380V/9.9A
	NW/GW(kg)	33/37	45/50	62/68	77/96
Optional type		Air port,USB interface, 5.0 inch ture color screen,programmable controller with USB date storage function			