

# Muffle furnace

Muffle furnace is suitable for universities, scientific research institutes, factories, enterprises and other industrial laboratories, widely used in metal materials, ceramic materials, nanomaterials, semiconductor materials and other new materials high temperature heat treatment field. The maximum temperature of the product is 1800°C, according to the sample heat treatment process to choose the appropriate temperature and furnace size, if there are special heat treatment requirements, you can also choose customized products according to specific requirements.



## Feature

- The furnace adopts vacuum forming alumina ceramic fiber material, does not drop powder at high temperature, small heat capacity, energy saving more than 50%.
- The heating speed is fast, from room temperature to 1300 degrees Celsius, generally takes 50 minutes;
- High temperature control accuracy, low impact temperature, with temperature compensation and temperature correction functions, accuracy of +1°C;
- Intelligent PID temperature controller table, with program function, can set the temperature curve, can edit 30 program segments;
- Integrated structure, can reduce the use of space, excellent appearance design, beautiful, generous;
- Electronic components are made of Delixi products, with leakage protection function, safe and reliable;
- The machine will send an alarm signal to the overtemperature in the working process, and automatically complete the protection action;
- When the instrument program is set up, just press the run button, and the following work will be completed automatically.

## Specification

Model	Max Temperature °C	Inner Dimensions			Volume	Max.connected load	Voltage
		d	w	h	L	KW	V
INO-MF10	1000	200	150	150	4.5	2	220V
		200	200	200	8	3	
		300	200	120	7.2	3	
		300	200	200	12	4	
		300	300	300	27	5	
INO-MF12	1200	200	150	150	4.5	2	
		200	200	200	8	3	
		300	200	120	7.2	3	
		300	200	200	12	4	
		300	300	300	27	5	
INO-MF14	1400	200	150	150	4.5	2	
		200	200	200	8	3	
		300	200	120	7.2	3	
		300	200	200	12	4	
		300	300	300	27	5	
INO-MF16	1600	200	150	150	4.5	2	
		200	200	200	8	3	
		300	200	120	7.2	3	
		300	200	200	12	4	
		300	300	300	27	5	
INO-MF18	1800	200	150	150	4.5	2	
		200	200	200	8	3	
		300	200	120	7.2	3	
		300	200	200	12	4	
		300	300	300	27	5	
		400	300	300	36	6	
		400	300	300	36	6	
		400	300	300	36	6	
		400	300	300	36	6	
		400	300	300	36	6	

Heating element	U-shaped silicon carbide rod
Furnace material	1460 °C
Temperature control accuracy	±1°C
Temperature measuring element	Type S thermocouple
Temperature control instrument	Intelligent microcomputer PD temperature control instrument, SCR/SSR control, PID parameter self-tuning function; Can program 30 periods, program heating, program heat preservation, program cooling
Heating rate	1-25°C/min free adjustment
Furnace structure	Furnace temperature control integrated structure
Equipment protection	Modular control, the working process of the overtemperature, break the couple will emit sound and light alarm signal, and automatically complete the protection action
Security protection	The air-open circuit breaker is installed on the equipment, which will automatically spring open in case of short-circuit leakage, which can protect the safety of the equipment and the operator
Shell	High quality cold rolled steel sheet CNC machine tool cutting processing, after welding, grinding, polishing, phosphating, pickling, surface electrostatic spraying plastic powder
Quality certification	ISO9001 CE
Standard configuration	1. Furnace 1 ; 2. Temperature controller 1; 3. Power cord 3 meters; 4. Thermocouple 1; 5. Copy of instructions 1; 6. Crucible pliers 1; 7. High-temperature gloves 1 pair
Optional accessories	1. Optional exhaust chimney, for the discharge of volatile substances; 2. Matching corundum crucible, furnace floor, shed board and other kiln tools; 3. Optional paperless recorder for online record of temperature curve