Muffle furnace

1000-1800℃

Product Overview

Additional configuration
* Optional
•viewing hole
•ional exhaust chimney
•furnace bottom plate
•installation, commissioning and training
•door opening power off function
•30 -segment programmable function
•touch screen LCD display
•high quality cold rolled coil and stainless steel structure

Product Features

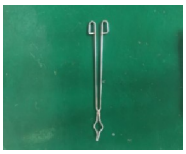
Main use: This equipment is widely used in colleges, scientific research institutes, institutes, industrial and mining enterprises for powder, electronics, metallurgy, medicine, ceramics, new materials, chemicals, metal sintering and metal heat treatment experiments and production ideal equipment.
Brief introduction of box type resistance furnace series:
The energy-saving, environmentally friendly, new box-type resistance furnace independently developed and produced has a reasonable structure and beautiful appearance. It is made of high-quality cold-rolled steel plates, processed into high-precision shells by advanced CNC machine tools, high-precision laser cutting machines, and CNC bending machines. The surface is electrostatically sprayed with beautiful, luxurious, and high-quality imported environmentally friendly oxidation powder for high-temperature operation, so as to achieve a durable, non-fading, high-temperature and corrosion-resistant surface treatment.
The inner tank of the box-type resistance furnace is made of imported ultra-high temperature refractory materials and constructed by a unique process. It has strong thermal shock resistance, good corrosion resistance, no collapse, no crystallization, no slag, no pollution, and long service life!
Heating elements, choose different high-quality heating elements according to the furnace temperature. The heating elements are divided into: electric furnace wire, resistance belt, silicon carbon rod, molybdenum wire, silicon molybdenum rod.
The control system adopts microcomputer fully automatic intelligent adjustment technology, with PID adjustment, module control, self-tuning function, multi-stage program programming, and can compile various heating, insulation and cooling programs. High temperature control accuracy; integrated module thyristor control, phase shift trigger, protection system; independent over-temperature protection, over-pressure, over-current, leakage, short circuit and other protections are adopted, with a high degree of automation, and various indicators have reached international standards.

MODEL NO	DS-12MJ-4	DS-12MJ-8	DS-12MJ-7	DS-12MJ-12	DS-12MJ-27	DS-12MJ-36
Max temperature ℃	1200℃					
Dimension (DxWxH)	200x150x150	200x200x200	300x200x120	300x200x200	300x300x300	400x300x300
Volume	4.5	8	7.2	12	27	36
Max. connected load (KW)	2	3	3	4	5	6
Voltage (V)	200V					
Heating rate ℃ in min	1-40					

MODEL NO	DS-14MJ-4	DS-14MJ-8	DS-14MJ-7	DS-14MJ-12	DS-14MJ-27	DS-14MJ-36
Max temperature ℃	1400℃					
Dimension (DxWxH)	200x150x150	200x200x200	300x200x120	300X200X200	300X300X300	400X300X300
Volume	4.5	8	7.2	12	27	36
Max. connected load (KW)	2	3	3	4	5	6
Voltage (V)	200V					
Heating rate ℃ in min	1-40					

MODEL NO	DS-16MJ-4	DS-16MJ-8	DS-16MJ-7	DS-16MJ-12	DS-16MJ-27	DS-16MJ-36
Max temperature ℃	1600℃					
Dimension (DxWxH)	200X150X150	200X200X200	300X200X120	300X200X200	300X300X300	400X300X300
Volume	4.5	8	7.2	12	27	36
Max. connected load (KW)	2	3	3	4	5	6
Voltage (V)	220 V					
Heating rate ℃ in min	1-40					

MODEL NO	DS-18MJ-4	DS-18MJ-8	DS-18MJ-7	DS-18MJ-12	DS-18MJ-27	DS-18MJ-36
Max temperature ℃	1800 ℃					
Dimension (DxWxH)	200X150X150	200X200X200	300X200X120	300X200X200	300X300X300	400X300X300
Volume	4.5	8	7.2	12	27	36
Max. connected load (KW)	2	3	3	4	5	6
Voltage (V)	220 V					
Heating rate ℃ in min	1-40					

	name	Schematic diagram	Standard quantity	Performance effect
	High temperature resistant gloves		Standard 1 pair	The material is made of high temperature resistant asbestos rope, which has the characteristics of temperature resistance up to 450 ℃ and not easy to fall off, which can effectively prevent burns.
	Crucible Tongs		One standard	It is made of high temperature resistant industrial stainless steel and built according to the principle of saving effort and distance. It is specially used for all products in the PD -MJ series.
Heating elements	Silicon Carbon Rod		Standard 1 set	The surface temperature of the heating part can reach 1400℃, with the advantages of high temperature, anti-oxidation, corrosion resistance, long life, no deformation, easy installation and maintenance, etc.
	Silicon molybdenum rod		Standard 1 set	The surface temperature of the heating part can reach 1900℃, with the advantages of high temperature, anti-oxidation, corrosion resistance, long life, slight deformation, easy installation and maintenance, etc.
Furnace bottom plate		Silicon carbide furnace bottom plate, hard ceramic furnace bottom plate, metal furnace bottom plate		The furnace bottom plate is selected according to the equipment and matched with the process.