



1200 °C High Temperature Tube Furnace

Main uses: ceramics, metallurgy, electronics, glass, chemicals, machinery, refractory materials, special materials, building materials, universities, research institutes, industrial and mining enterprises to do powder roasting, ceramic sintering, high temperature experiments, material processing, quality universities, research institutes Industrial and mining enterprises do high temperature atmosphere sintering, atmosphere reduction, CVD experiments, vacuum annealing and so on.

- Brand:TOB NEW ENERGY
- Item No.:TOB-G1200-250
- Order(Moq):1set
- Payment:L/C,T/T,Western Union, Paypal
- Product Origin:China
- Shipping Port:XIAMEN

Product Detail

1200 °C High Temperature Tube Furnace

SPECIFICATIONS

Model	TOB-G1200-250 Tube Furnace
Voltage AC	220V
Heating power	7KW
Furnace tube size	Dia 250*1000mm
Furnace tube material	Custom quartz tube
Heating zone	400mm
Constant temperature zone	200mm
Extreme working temperature	1200°C
Long-term working temp	1100°C
Heating stuff	KANTHAL Nichrome wire
Heating rate	1-20°C/min adjustable
Recommended heating rate	5-8°C/min Temperature rate
Temperature control accuracy	±1°C
Passible atmosphere	Various inert atmospheres such as nitrogen and argon
Temperature measuring element and temperature range	K thermocouple, temperature range 0-1200 ° C, thermocouple close proximity (contact) tube outer wall, can reduce the external temperature to normal temperature and make the inner cavity temperature distribution even.
Original electrical appliance	Partial selection of Schneider imported brands
Instrument control	Yudian GP518P
Sealing component	Custom flange
Vacuum system (optional)	Low vacuum 200- 2000pa High vacuum 6.67x10 ⁻³ pa
Flow meter (optional)	0-500ml/min

Control method	Control mode: Adopt automatic control system, it can run automatically after setting the program from room temperature to set temperature. The system is controlled by thyristor, the temperature control system is modular in design, the structure is simple, and the maintenance is convenient. Yudian instrument, imported thyristor control, programmable 31-segment, multi-segment power limit function, multi-group PID parameter self-tuning function, freely set constant temperature and heat preservation curve, no interference switching function, instrument with temperature correction and compensation Features.
Number of programmed curve segments	31 segments are adjustable to reduce unnecessary troubles caused by artificial settings.
Display accuracy	±1°C
Digital display	Measuring temperature, setting temperature double display
Control features	Control system modular structure, long life design of key components of the equipment, simple and reliable process, good stability and high precision.
Air cooling system	The fan impeller is mounted directly on the bottom of the double furnace shell and assembled with the control system. When the sintering furnace is heated, air cooling can reduce the surface temperature of the furnace shell and protect the heat of the electric appliance, and the personnel operation is safer and the efficiency is improved.
Refractory	The lining is made of high-quality high-purity alumina fiber, vacuum-formed fiber-reinforced light-weight board material, light-weight hollow-balloon alumina board, high temperature, low heat storage, resistance to rapid heat and cold, no cracks, no slag, good insulation performance (The energy saving effect is more than 80% of the old electric furnace). The double-furnace structure patent is a patented feature that not only heats up quickly, but also has durability and long-term use without collapse.
Insulation Materials	High-quality alumina multi-fiber insulation material, insulation layer is 150mm.

shell	The furnace shell is made of steel plate and profile welded, and the outer casing is equipped with a removable protective plate. The protective plate is electrostatically sprayed and painted. Fine workmanship and beautiful appearance.
Furnace structure	Double-layer furnace shell structure, air-cooled circulation, reducing the temperature of the shell. The surface temperature of the shell is < 60 degrees. The surface of the inner furnace is coated with a high-temperature alumina coating to increase the heating efficiency of the equipment and to extend the life of the instrument.
Energy saving performance	Light weight, fast heating, energy saving of more than 50%, saving time and effort.
Random spare parts	One copy of the manual, one certificate, tongs, high temperature gloves

Main uses: ceramics, metallurgy, electronics, glass, chemicals, machinery, refractory materials, special materials, building materials, universities, research institutes, industrial and mining enterprises to do powder roasting, ceramic sintering, high temperature experiments, material processing, quality universities, research institutes Industrial and mining enterprises do high temperature atmosphere sintering, atmosphere reduction, CVD experiments, vacuum annealing and so on.

PRODUCT DISPLAY

