Steel Graphite Heating Element Furnace / Large Vacuum Brazing Furnace Durable

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: OEM
- Certification: CE Certification
- Model Number: OEM
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: Carton, pallet, wooden case or according to customer's package requirements
- Delivery Time: 30 working days
- Payment Terms: 30% deposit + 70% T/T before shipping
- Supply Ability: 20 sets per month

Product Specification

- Name: Graphite Heating Element Furnace
- Material: Steel
- Dimension(L*W*H): Custom
- Cooling Method: Internal Circulation Cooling
- Max Operating Temp: 2380 ° C
- Application: Silicon Carbide, Ceramics
- Highlight: **industrial vacuum furnace**, **high vacuum furnace**

Our Product Introduction

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Product Description

Steel Graphite Heating Element Furnace / Large Vacuum Brazing Furnace

Graphite Heating Element Furnace is specially adapted to the automated production equipment of silicon carbide pressureless (normal pressure) sintering. The equipment adopts the constant temperature field optimization design, which has the functions of removing the forming agent-vacuum sintering-pressureless sintering in the furnace once. The furnace can adapt to various atmospheres and is suitable for the production of silicon carbide and silicon nitride. The process is simple to prepare, the pressure in the furnace, the degree of vacuum and the atmosphere are effectively and accurately controlled. The temperature field in the furnace is uniform and the design of the sintering chamber is reasonable. It is an advanced ultra-high temperature sintering equipment capable of both pressureless sintering and low vacuum sintering.

Graphite Heating Element Furnace Application:

Mainly used for vacuum, atmosphere sintering of silicon carbide, ceramics, cemented carbide, powder metallurgy, tungsten, molybdenum, AlNiCo permanent magnet, Smco5, Sm2co17 and aluminum alloy shed, titanium alloy and other alloy materials.

Graphite Heating Element Furnace parameters:

Maximum operating temperature: 2380 ° C
Common temperature: 2280 °C
High temperature zone volume: 200-2000mm × 300-4000mm; or square
Heating method graphite tube squirrel cage structure
Temperature control accuracy: ±1 °C
Temperature control mode: WRe5/26 thermocouple (0-1700 °C) + US RATEK dual colorimetric infrared thermometer (1000-3200 °C)
Power adjustment mode thyristor phase shift adjustment
Cooling method
Cooling water temperature <35°C

The device has a measurement record function, which can record 10,000 times of data, and the data can be queried through the historical curve;
Adopt Taiwan imported power regulator, very complete thyristor overload, short circuit and overvoltage protection;
Multi-channel data acquisition of the whole machine, and display and operation on the man-machine interface, the operating parameters of the whole machine are clear at a glance and easy to operate;
Furnace body: double-layer water-cooled structure, which can pump vacuum under vacuum; has vacuum pipe interface, increase vacuum failure valve, and inflating hole;
Uniform temperature: graphite rod combined heating method, good temperature uniformity;
Convenient operation: the furnace body is horizontal, double front and rear doors, convenient for loading and unloading, and easy to operate.

Volume (L)	150	274	452	769
Rated temperature (°C)	2280	2280	2280	2280
Limit temperature (°C)	2380	2380	2380	2380
Power (KW)	180	250	300	500
Temperature control method	Japanese island electric thermostat			
heating method	Resistance heating			
Vacuum system	Spool valve vacuum pump + Roots vacuum pump (vacuum degree requires high oil distribution diffusion pump)			
Sintering atmosphere	N2, Ar2, etc.			
Rated power supply voltage (V)	380			
Rated heating voltage (V)	According to the design, configure the furnace transformer			
Vacuum limit (Pa)	40 (vacuum cold state)			

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