



美国凯美特技术公司

美国-洛杉矶 中国-上海 比利时-布鲁塞尔

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产品报价

名称/型号 model	描述 Description	数量 Qty	单价 (USD)	金额 (USD)
JGF1200-80	1200 Degree tube furnace ,Dia of Quarze is 80	1	3000	3000
JGF1200-100	1200 Degree tube furnace ,Dia of Quarze is100	1	3200	3200

- 1) Lead Time: 25 days
- 2) Delivery Term: FOB Shanghai
- 3) Payment Term: Delivery against payment



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Product Description:

Tubular atmosphere furnace with high standard, high configuration, high requirements of R & D and innovative design, in strict accordance with energy saving and environmental protection of new materials, new technology R & D and manufacturing, energy saving more than 50% than ordinary old electric furnace, replace (old type high energy consumption, high pollution) electric furnace, integrated design, small space, especially save experimental space and energy.

Jgf1200-80 tubular atmosphere furnace is mainly composed of light alumina fiber furnace, resistance wire, furnace body, electrical control system, quartz tube, vacuum system, vent system, etc.

1. Light alumina zirconium fiber furnace: 1400 type high-quality vacuum adsorption molding high-purity alumina polycrystalline fiber material and anti infrared thermal radiation and other new materials are used. The furnace is of assembled structure, with good thermal insulation performance, durability and high tensile strength. The furnace inner surface is coated with high temperature insulation coating, which can effectively prevent ash from falling, high temperature resistance and good thermal insulation performance. The insulation material is filled with 1260 alumina brazing material. The resistance wire material is ocr27a17mo2, which is embedded in the inner wall of the furnace as a whole and distributed around the furnace for heating.

2. Furnace shell: the furnace shell adopts an integrated design of double-layer structure. The surface of the furnace shell is treated with antirust and high-temperature baking paint. The two-color matching design of the exterior color is beautiful and generous. The inner layer of the furnace shell is made of thickened cold-rolled plate by special process folding and welding. The reinforcement around the shell is evenly distributed and strengthened. A ventilation device is installed between the two layers to ensure the temperature rise of the shell below 30 °C.

3. Electrical control system: the temperature control system adopts the digital program temperature controller, 30 sections of temperature rise and fall program can be programmed step by step, heating, heat preservation, cooling program (realize automation), Artificial Intelligence PID adjustment algorithm, solid state relay control mode. Electrical components are made of high quality

Components. The control panel includes digital program temperature controller, heating indication, power switch and start stop button. The control system has alarm protection functions such as over temperature, temperature deviation, electric leakage and broken couple, which can automatically cut off the heating power supply.

4. Vacuum gas filling system: the furnace tube adopts transparent quartz tube as the working room, and the two ends of the quartz tube are pressed and sealed with stainless steel flange and double O-type

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5. fluororubber ring. The professional vacuum design and sealing technology ensure that the vacuum degree and sealing performance far exceed those of similar products. It is equipped with valve joints for gas filling, gas discharging and vacuum pumping, with good sealing performance and a high pumping speed vacuum pump, It can quickly empty the air in the furnace. After vacuumizing, protective atmosphere can be introduced into the furnace. The inlet flow rate and pressure can be controlled by the charging valve and flowmeter of the tubular atmosphere furnace, which can realize flowing atmosphere protection and sealing atmosphere protection. The gases that can be injected into the furnace include nitrogen, argon, oxygen and other common gases.

This series of products are specially developed for sintering, melting, analysis and production of ceramics, metallurgy, electronics, glass, chemical industry, machinery, refractories, new materials development, special materials, building materials, metals, nonmetals and other chemical and physical materials in laboratories and industrial and mining enterprises of institutions of higher learning and scientific research institutes.

Product parameters

1. Product name Tubular atmosphere furnace
2. Product model JGF1200-80
3. Heating zone size Diameter 80 * length 300 mm
4. Tube size Diameter 80 * length 800mm (quartz tube)
6. Rated power 3KW
7. Working voltage 220V 50HZ/60HZ
8. Maximum temperature 1200°C
9. Long term service temperature $\leq 1100^{\circ}\text{C}$
10. Temperature control accuracy $\leq \pm 1^{\circ}\text{C}$
11. Furnace material 1400 type alumina polycrystalline fiber material
12. Thermocouple model Type K

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13. Heating rate < 15°C/min

14. Maximum vacuum 100Pa (pressure gauge indicates - 0.1MPa)

15. Maximum inflation pressure 0.03 Mpa

16. Door opening mode Two ends of quartz tube

17. Standard configuration One main engine, one vacuum pump, one high temperature glove, one stove hook, one instruction manual