

Chamber Furnace GWL-XAD



GWL Series 1200°C High Temperature Chamber Furnace

GWL-XAD Series 1200°C High Temperature Chamber Furnace, Integrated control system and furnace. Furnace lining made up by vacuum forming high purity alumina light materials, using high temperature alloy resistance wire (containing molybdenum and the surface temperature can be up to 1400 degrees) or silicon carbide rod as the heating element.;

The equipment designed for pyrolysis, melting, analysis and production ceramics, metallurgy, electronics, machinery, chemical, glass, refractories, for develop new material, special materials, construction materials, the equipment is suitable for institutions of higher learning and laboratory of scientific research institute and industrial and mining enterprises.

The control panel equipped with the intelligent adjustment device, power control switch, main working/stop button, voltmeter, ammeter, Computer interface, Observe port / Air inlet port, for convenience to observe the furnace working status, the product using reliable integrated circuit, excellent working environment, anti-interference, the highest temperature of furnace shell temperature is less than 45 can greatly improve the working environment, micro computer program control, programmable setting temperature rise curve, Fully automatic temperature rise / cooling, Temperature control parameters and programs can be modified during operation, which is flexible, convenient and simple in operation.

Temperature Control Accuracy: $\pm 1^{\circ}\text{C}$, Temperature Constant Accuracy: $\pm 1^{\circ}\text{C}$. Fast Temperature rise rate, Maximum heating rate $\leq 30^{\circ}\text{C}/\text{min}$. Furnace hearth materials made up by vacuum forming high purity alumina light materials (Will be changing due to the temperature required), High temperature for use, Less heat storage amount, Tolerance the extremely heating and cold, no crack, No dregs, Excellent thermal insulation performance (the energy saving effect is over 60% of the traditional furnace). Reasonable structure, Double layer furnace cover, Air cooling, Greatly shortening the experimental period.

Extensible Structure: GWL-XA (Working Temperature 1200-1800°C)



Model	GWL-1200 XAD
Working Temperature	1200°C
Heating Element	Alloy Resistance Wire Silicon Carbide Rod
Furnace Hearth Dimension	320*200*120 mm 300*200*200 mm 400*250*160mm 500*300*200mm 500*300*300mm
Cubage	7.5 L 12 L 18L 36L 45L
Temperature Rise Rate	Temperature Rise Rate Can Be Modify (30°C/min 1°C/h)
Power Rating	3.5 kw 6 kw 7 kw 10 kw 12 kw
Rated Voltage	380V
Temperature Control	Temperature Control System
Temperature Control Accuracy	±1°C
Furnace Lining Materials	Vacuum Forming High Purity Alumina Light Materials
Appearance Dimension	580*450*530 mm 580*450*610 mm 680*500*580mm 780*550*610mm 780*550*730mm
Weight	35 kg 50 kg 55 kg 90 kg 120 kg
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.
Extensible Structure	Hot air circulation, Multiple-surface heating, Anti-corrosion, Multiple temperature Control, Touch Screen Control, Exhaust port& Air Inlet port.

Characteristic:**Open Mode: Side Open , With Lock, The Door Is Rotatable ; Less Land Occupation.**

- 1、Temperature accuracy: ±1°C; Constant temperature: ±1°C(Base on Heating zone size) 。
- 2、Simplicity for operation ,programable automatic modify, automatic temperature rise, automatic temperature retaining , automatic cooling, unattended operation;
- 3、High Speed Temperature rise rate .(temperature rise rate 1°C/h to 30°C/min can be modify);
- 4、Energy-saving (furnace hearth made up by import fiber material, excellent thermostability,)
- 5、Double layer loop protection. (over temperature protection, over pressure protection, over current protection, thermocouple protection, Power supply protection and so on)
- 6、Furnace surface after spraying plastics it will resistance acid and alkali and also having corrosion-proof, the furnace wall temperature approaching the indoor temperature.
- 7、Furnace hearth using Importing refractory material, high temperature resistance, Tolerance the extreme heat and cold.

Furnace Hearth Dimension Can Be Customized, More Details Please Contact Us