Chamber Furnace GWL-LB

GWL Series 1200℃-1800℃ High Temperature Chamber Furnace

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：± 1℃，Temperature Constant Accuracy： ±1℃. Fast Temperature rise rate，Maximum heating rate≤30℃/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-LBF(Separated Structure)

Model	GWL-LB				
Working Temperature	1200℃	1400℃	1600℃	1700℃	1800℃
Maximum Temperature	1250℃	1450℃	1650℃	1730℃	1820℃
Heating Element	Silicon Carbide Rod	Silicon Molybdenum Rod			
Furnace Hearth Standard Dimension	240*150*150mm | 300*200*200mm | 400*200*200 mm | 500*300*200mm | 500*300*300 mm				
Cubage	5.4L | 12 L | 16L |30L |45L				
Temperature Rise Rate	Temperature Rise Rate Can Be Modify（30℃/min | 1℃/h）				
Power Rating	4 kw | 8 kw | 10 kw | 13 kw | 15 kw				
Rated Voltage	380V				
Temperature Uniformity	±1℃				
Temperature Control Accuracy	±1℃				
Refractories	High Purity Alumina Oxide Fiberboard	Import Morgan Material			
Appearance Dimension	500*550*1300mm | 600*600*1350mm | 700*600*1350mm | 800*700*1350mm | 800*700*1450 mm				
Weight	100 kg | 140 kg |150 kg | 180 kg | 190 kg				
Standard Accessories	Heating Elements 2 Pieces, Specification Certificate, One Piece Heat Insulation Brick, A Pair Crucible Pliers, One Pair Of High Temperature Gloves.				
Optional Features	Furnace Control Software And Hardware; Touch Screen Control Temperature Controller; Exhaust Port; Air Inlet port; Heat Elements; Observation port; Crucible and so on.				
Extensible Structure	Hot air circulation, Multiple-surface heating, Anti-corrosion, Multiple temperature Control, Touch Screen Control.				

Characteristic：

Open Mode: Side Open , With Lock ,The Door Is Rotatable ； No need working table.

1 ,Temperature accuracy：±1℃ ; Constant temperature：±1℃(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℃/h to 30℃/min can be modify);

4, Energy-saying (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