

High Temperature Glass Melting Furnace (With Agitation System) (GWL-R)



GWL Series 1200°C-1800°C High Temperature Glass Melting Furnace(With Agitation System)

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.



Model	GWL-RJ				
Working Temperature	1200°C	1400°C	1600°C	1700°C	1800°C
Maximum Temperature	1250°C	1450°C	1650°C	1750°C	1820°C
Temperature Control Accuracy	±1°C				
Temperature Uniformity	±1°C				
Temperature Rise Rate	Temperature Rise Rate Can Be Modify (30°C/min 1°C/h) , Company Suggest: 1-20°C/min				
Crucible Cubage	1.6L/3L/5L/10L/17L				
Heating Element	Silicon Carbide Rod	Silicon molybdenum rod			
Agitation Speed	Digital frequency converter regulation device: 50-2800r/min(Can be modify)				
Agitation Rod	Silicon Carbide Rod/ corundum Rod				
Agitation Bracket	Rise& Fall& Horizontal rotation.				
Placing Crucible Method	Top side to placing crucible and remove				
Material Passes in and out	Top side to passes in and Bottom side pass out.				
Crucible Material	High purity zirconium quartz (99.9%)				
Cooling Structure	Double Layer Furnace Shell, With Air Cooling.				
Standard Accessories	Heating Elements, Specification Certificate, Heat Insulation Brick, Crucible Pliers, High Temperature Gloves.				

Characteristic:

Can be adding material under high temperature environment, The High temperature solution can be timely outflow.

1. Temperature accuracy: ±1°C ; Constant temperature: ±1°C (Base on Heating zone size) .
2. Simplicity for operation ,programmable, PID 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, Tolerance the extreme heat and cold)
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 materials: 1200°C: High Purity Alumina Fiber Board; 1400°C: High purity alumina (Contain zirconium) fiberboard; 1600°C: Import High Purity Alumina Fiber Board; 1700°C-1800°C: High Purity alumina polymer fiber board.
8. Crucible Cubage below 5L need to equip with an extension plug.

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