

Vacuum atmosphere Lift Furnace

(Furnace inside with agitation)

GWL-VSF-SR



GWL Series 1200°C-1800°C High Temperature Vacuum Atmosphere Lift 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: $\pm 1^{\circ}\text{C}$, 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-VSF-SR					
Working Temperature	1200°C	1400°C	1600°C	1700°C	1800°C	
Maximum Temperature	1250°C	1450°C	1650°C	1750°C	1820°C	
Heating Element	U Type Silicon Carbide Rod		U Type Silicon molybdenum rod			
Diameter Of Furnace Hearth	200 mm 300mm 500mm 800mm					
Height Of Furnace Hearth	300mm 500mm 800mm 1000mm					
Lift Method	Screw Mandrel					
Temperature Rise Rate	Temperature Rise Rate Can Be Modify (30°C/min 1°C/company Suggest 10-20°C/min.					
Vacuum Degree	-0.1Mpa (Can Customize As 1Pa, -1Pa, -0.01Pa and so on)					
Rated Voltage	380V					
Temperature Uniformity	±1°C					
Temperature Control Accuracy	±1°C					
Furnace Lining Materials	High Purity Alumina Fiber Board	Import Morgan Light Material	Import High Purity Morgan Light Material			
Rotation Speed	1-50r/min					
Standard Accessories	Heating Elements 2 Pieces, Specification Certificate, One Piece Heat Insulation Brick, A Pair Crucible Pliers, One Pair Of High Temperature Gloves. One-piece special crucible for tube furnace, Two-piece seal rings					

Characteristic:**Furnace hearth with agitation; High Temperature uniformity.**

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. Cooling structure: Double layer furnace shell, air cooling and water cooling
4. Furnace surface temperature approach the indoor temperature.
5. double layer loop protection. (over temperature protection, over pressure protection, over current protection, thermocouple protection, Power supply protection and so on)
6. Importing refractory, excellent temperature retaining effect, high temperature resistance, Tolerance the extreme heat and cold
7. More gas options (Oxygen、Nitrogen、Argon、hydrogen and so on)

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