

Furnace



Technical Specifications

Model	1200-8L-220VAC
Chamber size	200x200x200mm (Width * Height * Depth)
Max. temperature	1700 °C (< 2 hours)
Max. Working temperature	0-1600 °C
Temperature controlling LED Screen	<ul style="list-style-type: none"> ● PID automatic control via SCR (Silicon Controlled Rectifier) power control with phase angle fired, current limiting resistor. ● 51 programmable segments for precise control of heating rate, cooling rate and dwell time. ● Built in PID Auto-Tune function with overheating & broken thermocouple broken protection. ● Over temperature protection and alarm allows for operation without attendant.
Temperature accuracy	± 1 °C
Temperature uniformity	± 5°C
Heating rate	0-20 °C /min



Thermocouple	B type
Heating element	High purity MoSi ₂ heating element
Furnace chamber	Three layers of ceramic fiber insulation materials
Furnace structure	Double layer steel casing with dual cooling fan, surface temperature below 60°C
Working voltage	220V, 50HZ, 1 phases
Rated power	7 kW
Warranty	<ul style="list-style-type: none"> ● One year limited warranty with life time support. (Consumable parts such as heating elements and crucibles are not covered by the warranty, please order the replacement at related products) ● <i>ATTENTION: Any damages caused by the use of corrosive and acidic gases are not under the coverage of One Year Limited Warranty.</i>
Application Notes	
Using Attentions	<ul style="list-style-type: none"> ● Cooling rate shall also not exceed 10 °C /min. at above 800 °C only ● Toxic or explosive gases are not recommended for use with this furnace without necessary safety controls and supervision. ● Small cracks may appear on the surface of the refractory ceramics over extended use. This is a normal occurrence and the cracks may be repaired with alumina coating. ● Refractory door block must be inserted before closing door.