



高新技术企业/专精特新企业
专业的高温加热制造工厂 (-100~2600°C)

中国热处理行业协会理事单位
ISO45001:职业健康管理认证
ISO14001:环境管理体系认证
ISO9001:质量管理体系认证
欧盟CE产品认证



咨询电话
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Vacuum atmosphere pit furnace model GWL-1600ZQJ



project	temperature
	1600°C
Voltage AC	380V
Specification	Heating zone 200x200mm
Rated operating temperature	1650°C
Long-term operating temperature	1600°C
Temperature control accuracy	±1°C
Temperature field uniformity measurement	±3% (depending on the size of the heating chamber)
element and measurement range inside the furnace	Nickel-chromium and nickel-silicon K temperature measurement range: 0-1350°C
Number of program curve segments	Group 1 has 50 segments, Group 2 has 22 segments, and Group 3 has 8 segments.
heating rate	Adjustable from 1°C/h to 20°C/min
Furnace door opening method	Top opening
Heating element	A silicon molybdenum rod is used as the heating element.
Heating element distribution	Evenly distributed around the furnace

Main website: www.gwdl.com Email: wqq@gwdl.com Contact: 13271526781 0379-69936789

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24h

Protect	<p>It adopts an integrated modular control unit, ensuring accurate control precision, and features dual-loop control and dual-loop protection.</p> <p>It includes protections against overshoot, over-adjustment, under-adjustment, thermocouple breakage, phase loss, overvoltage, overcurrent, overtemperature, current feedback, and soft start.</p>
control	<p>The system employs closed-loop technology with thyristor module trigger control, using a phase-shift trigger control method, to continuously adjust output voltage, current, or power.</p> <p>Adjustable, featuring constant voltage, constant current, or constant power characteristics; the current loop is the inner loop, and the voltage loop is the outer loop, which is adjusted in the event of a sudden increase in voltage.</p> <p>When the load or load current exceeds the current limit, the voltage regulator's output current is limited to the rated current range to ensure output stability.</p> <p>The voltage regulator operates normally; simultaneously, the voltage loop also participates in the regulation, limiting the output current of the voltage regulator to the rated current.</p> <p>Within the specified range, with sufficient adjustment margin, the output current and voltage are maintained constant; thereby protecting against overheating.</p> <p>The components avoid excessive current and voltage surges, achieving safe and reliable control effects and control accuracy.</p>
Display parameters	Temperature, temperature range number, time period, remaining time, output power percentage, voltage, current, etc.
Button	It features a preferred button with a lifespan exceeding 100,000 uses and includes an LED indicator.
Temperature profile setting	<p>It adopts an intelligent temperature controller, equipped with multiple adjustment methods such as standard PID, artificial intelligence adjustment APID, or MPT, and has...</p> <p>It features self-tuning and self-learning capabilities, excellent control characteristics with no overshoot and no undershoot, and is equipped with 10-100 segment programmable control functionality.</p> <p>Yes, it can achieve temperature rise and fall control with arbitrary slope, and has programmable functions such as jump (loop), run, pause, and stop.</p> <p>The program is operable and allows modification at any time during its controlled operation; it employs curve fitting functionality.</p> <p>The artificial intelligence adjustment algorithm can achieve a smooth and even curve control effect;</p>
Touchscreen control	7-inch true color touchscreen
Furnace body seals	The seals are made of silicone rubber rings (temperature resistant 260-350 degrees Celsius).
Vacuum value (vacuum gauge)	-0.1MPa
air intake	1
air outlet	1
Vacuum	Mechanical rotary vane pump
pump cooling	Double-layer furnace shell, air-cooled + water-cooled
structure	Self-supplied water source
water cooling part	Furnace door, furnace opening
Safety	<p>Pressure is detected using an electric contact pressure gauge, which drives the solenoid valve. Overpressure protection, audible and visual alarms, and simultaneous shut-off and release of gas supply are provided.</p> <p>Internal pressure; to prevent hazardous gases from generating excessive positive pressure at high temperatures, or from being blocked by volatiles at the outlet.</p> <p>Causes excessive air pressure, etc.</p>
Can open atmosphere	Hydrogen, nitrogen, argon, carbon monoxide, oxygen, etc.
Refractory materials	High-purity alumina fiberboard
Cooling structure	Double-layer furnace shell, air-cooled
Furnace body temperature	≤45 degrees

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Computer Interface	RS485 RS232 USB
Graphite crucible	Customer provides
Warranty coverage and period	The electric furnace comes with a one-year free warranty, but the heating element is not covered by the warranty (it will be replaced free of charge if it fails naturally within three months).
Random spare parts	Two heating elements, two sets of rods, one instruction manual, one certificate of conformity, one crucible tongs, and one pair of high-temperature gloves. One instruction manual, one acceptance report (factory inspection report), and one sales delivery note.

Thank you for contacting us!

Thank you to get in touch with us!

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