Ss Vacuum Curing Oven Transformer Drying Oven Precise Temperature Control

Our Product Introduction

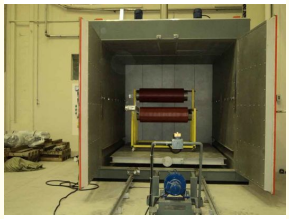
Basic Information

- Place of Origin: China
- Brand Name: JC
- Certification: SGS CE,UL
- Model Number: 8245-1
- Minimum Order Quantity: 1 pcs
- Price: consult
- Packaging Details: Export standard packaging
- Delivery Time: 5 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 100pcs/month

Product Specification

- Driving Type: Electric
- Life Time: 100000000 Times
- Chamber Size: 500*500*500mm
- Control System: PID Control
- Cooling Time: 30min
- Heating Element: SUS304
- Insulation Material: Glass Wool
- Power: 2.2KW
- Product Name: Transformer Drying Oven
- Safety Protection: Over Temperature Protection
- Temperature Control Accuracy: ±1
- Temperature Range: 50-200
- Highlight: **ss curing oven**, **vacuum curing oven**, **oven transformer**

More Images



Our Product Introduction

Product Description

Transformer Drying Oven: Precise Temperature Control for Curing & Drying

Drying oven:

A curing drying oven is a specialized equipment used for the drying and curing processes of various types of insulation parts. It is commonly used in industries such as manufacturing, automotive, aerospace, and electronics.

The primary purpose of a curing drying oven is to remove moisture or solvents from the insulation parts and facilitate the curing process. The oven provides a controlled environment with specific temperature, humidity, and airflow conditions to ensure efficient and effective drying and curing.

The types of insulation parts that can be processed in a curing drying oven include casting insulation parts, which are typically made of materials like resins or polymers and require curing to achieve their final strength and properties. Impregnation insulation parts are components that have been impregnated with a resin or coating material to enhance their insulation properties, and the oven helps in drying and solidifying the impregnated material. Fiber insulation parts, made of materials like fiberglass or ceramic fibers, also require drying and curing to enhance their insulation capabilities.

The curing drying oven is designed with features such as temperature control systems, ventilation systems, and timers to ensure precise and consistent drying and curing processes. It allows manufacturers to optimize production cycles, improve product quality, and achieve desired insulation properties for the parts being processed.

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Main technical parameters of HG Series transformer curing oven

Parameter	HG-1	HG-2	HG-3	HG-4	HG-5
Dimension of working chamber(width×depth×height) mm	550×450×550	850×800×1000	1500×1000×1500	1900×800×1500	1700×1800×2000
Operating temperature(ºC)	Indoor temperature-200	Indoor temperature-200	Indoor temperature-200	Indoor temperature-200	Indoor temperature-200
Operating voltage/ frequency(V/ Hz)	3-380/50	3-380/50	3-380/50	3-380/50	3-380/50
Heating power(kw)	4	10.5	18	21	36
Temperature uniformity(%)	±2.5	±2.5	±2.5	±2.5	±2.5
Temperature fluctuation(ºC)	±1	±1	±1	±1	±1
Note: Non-standard product can be designed and manufactured in accordance with the requirement of the user.					

Oven accepts customization

Manufacturers of drying ovens typically offer a range of standard models, but they also have the capability to design and manufacture custom drying ovens based on specific user requirements. This flexibility allows them to meet the diverse needs of different industries and applications.

When designing a custom drying oven, manufacturers take into account factors such as the type of materials being dried, the desired drying or curing process, the required temperature range, the size and shape of the parts to be processed, and any specific environmental or safety considerations.

Based on these requirements, manufacturers can customize various aspects of the drying oven, including:

Size and Capacity: The dimensions of the oven can be adjusted to accommodate the size and quantity of the parts to be dried or cured. This ensures optimal space utilization and productivity.

Temperature Range and Control: The temperature range of the oven can be tailored to suit the specific drying or curing requirements of the materials. Precise temperature control systems can be incorporated to maintain consistent and accurate drying conditions.

Airflow and Ventilation: The airflow patterns and ventilation systems can be designed to provide uniform heat distribution and efficient moisture removal. This ensures thorough and even drying or curing of the parts.

Controls and Automation: Custom drying ovens can be equipped with advanced control systems and automation features, such as programmable logic controllers (PLCs), touchscreen interfaces, and data logging capabilities. These features enhance process control, monitoring, and data analysis.

Safety Features: Depending on the application and industry requirements, safety features like temperature alarms, overheat protection, explosion-proof construction, and exhaust systems can be integrated into the oven design to ensure safe operation.

By designing and manufacturing drying ovens according to user requirements, manufacturers can provide tailored solutions that meet specific needs, optimize drying processes, and enhance overall productivity and quality.

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