

SK-SY17

CONSTANT TEMPERATURE AND HUMIDITY INCUBATOR



SK-SY17

FEATURES AND HIGHLIGHTS

Design: Widely applicable to sterile testing, stability testing, and other tests in medicine, textiles, and food processing, providing various simulated environmental conditions. Used for the growth and cultivation of cell tissues, seed germination, seedling breeding, insect and small animal feeding, as well as the cultivation and preservation of microbial antibiotics.

Working principle: The constant temperature and humidity incubator consists of two parts: temperature control (heating, refrigeration) and humidification. By installing a rotating fan inside the chamber, the air is circulated to balance the temperature and humidity inside the chamber. The temperature and humidity sensor installed in the chamber collects data and sends it to the temperature and humidity controller for editing and processing. Temperature and humidity control instructions are issued, and the air heating unit, condenser, and water tank heating and evaporation unit work together to complete the process.

Protection System: The temperature sensor abnormal protection function is extremely gentle, with an independent over-temperature protection device, and automatic alarm when the work is finished.

Technical parameters

▪ Volume	160L
▪ Power	500W
▪ Temperature control range	5~50°C, humidification: 10~45°C
▪ Temperature fluctuation	±1°C
▪ Humidity range/fluctuation	50-90%RH(±5% - ±8%RH)
▪ Humidifier area	7L
▪ Timing	0-999min
▪ Power supply	220V 50Hz
▪ Machine size(mm)	600x590x1340
▪ Gross/net weight	120/78kg



Material

The cabinet is made of thick cold-rolled steel plate, which is sturdy and reliable. The working chamber is made of stainless steel and the four corners of the inner liner are semi-circular, making it easy to clean.



Internal frame and hardware

Using high-quality stainless steel rivets for connection, with high cost-effectiveness, not easily rusted and strong in strength.



Surface treatment

Electrostatic sprayed casing, no paint peeling, corrosion-resistant.



Observation window

Equipped with a double-layer glass observation window for real-time monitoring of indoor working status.



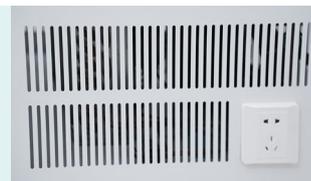
Dehumidification method

Adopting internal dehumidification for convenient and reliable operation, with ducted ventilation and gentle airflow in the workspace for uniform temperature and humidity control.



Compressor

Install branded compressors in the lower unit, use environmentally friendly refrigerants, high efficiency, and low energy consumption.



casters

Mobile silent casters with locks to prevent the cabinet from moving.



Temperature and humidity control

An accurate temperature and humidity control system, controlled by a microcomputer and equipped with an over-temperature alarm device.



Control panel

LCD control panel with dual digital display for setting and measuring temperature, displaying operating time, and allowing for the setting of multiple parameters such as temperature, humidity, and time in the incubator. It can be operated continuously or in timed mode, and has excellent control performance and anti-interference ability.



Humidification method

External humidifier using ultrasonic humidification for reliable and uniform humidity control.





CONSTANT INNOVATION



Design



Research



Manufacturing



Maintenance



Service



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Company video



General catalogue