Constant Temperature and Humidity Chamber

CH-A Series Constant Temperature and Humidity Chamber
CY-A Series Drug Stability Test Chamber



Usage Overview

This series of products has the function of constant temperature and humidity control, can provide very stable temperature, humidity and light environment, and accurately simulate various climate conditions. Satisfy the relevant conditions for accelerated test, intermediate test, long-term test and influencing factor test stipulated in the new national pharmacopoeia, GMP, FDA, ICH and GLP and other standards. Widely used in research and development and quality control laboratories of pharmaceutical companies, drug research institutions, drug testing institutions, etc.



CH-A Series Constant Temperature and Humidity Chamber
CY-A Series Drug Stability Test Chamber

Structural Features

This product has a novel and beautiful shape; the shell is made of stainless steel, the surface is electrostatically sprayed, and has strong corrosion resistance; the studio is made of stainless steel, with four-corner arc design, easy to clean; double-layer door structure, the outer door is equipped with a standard lock , Tempered glass inner door, original built-in design, excellent sealing effect; the left side of the box is equipped with a test hole (50mm)

Unique air duct design, adjustable wind speed, to ensure uniform and stable temperature and humidity inside the studio; stainless steel shelves, height can be adjusted freely

Using intelligent multi-segment programmable P.I.D controller, fixed value/program multi-segment operation can be set freely; with a temperature correction function of up to 10 points to avoid multi- point temperature linear mismatch; 7-inch large-screen true-color LCD touch screen with screen password lock function; Date, time, temperature and humidity, light and ultraviolet real-time display; with Chinese and English menu switching function

Equipped with large-capacity memory, it can store 1.25 million data records and 16,000 event records; real-time view temperature, humidity, light operation curves, and historical operation data, operation logs and alarm logs, and the original files can be exported through the instrument's USB interface or not Changed PDF files

Hierarchical management of user permissions: administrators can create up to 5 sub-users and assign different permissions to each sub-user (14 different operation permissions are optional), and the operations of each sub-user will generate a unique traceable imprint in the instrument event record

It has a power failure memory function, and the power recovery mode can be selected to stop, restart or continue to run

Imported high-precision temperature and humidity sensors are used, which are accurate and reliable, and require no maintenance for long-term use

Frequency conversion refrigeration system, energy saving and water saving, small fluctuations in temperature and humidity, fast recovery after opening the door, and ensuring long-term frost-free operation of the equipment under non-limit conditions; international famous brand compressors are selected, and environmentally friendly fluorine-free refrigerants

CY-G series comprehensive drug stability test box: equipped with a light module with a light intensity of about 10,000 Lux, the light intensity is stepless adjustable

Reduce the illumination attenuation and affect the test process; multi-layer illumination unified control or separate control is optional

The illumination module (standard with a layer, which can be added) includes: cold white light (light source D65,6500K) and ultraviolet light with a wavelength of 320~400nm

Meet ICH: Q1B total illumination≥1.2×10 6 Lux.hr, the total near-ultraviolet energy is not less than 200w.hr/m 2

The high light irradiation test is 4500 ± 500Lux; the illumination and UV irradiation test can be completed simultaneously

Option

*Can be equipped with embedded micro printer (optional): real-time printing of temperature and humidity data, printing time interval can be set by yourself

*4G or WiFi intelligent IoT gateway can realize 7*24 hours remote intelligent monitoring through WeChat applet and PC terminal. It can push alarms, monitor equipment operating status, view historical operating data and curves, and export PDF files

*SMS alarm module: GPRS mobile phone SMS alarm (sent to the designated mobile phone through communication software to ensure the safety of the test process)

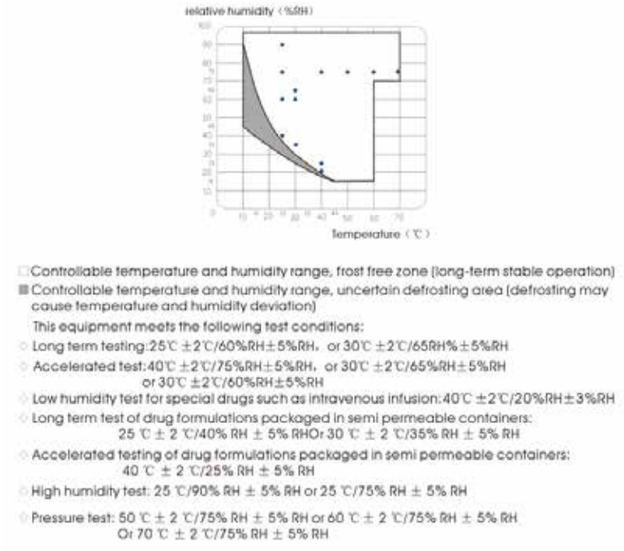
*With RS-485 communication interface, it is used to connect to the computer, monitor the experiment process or record the experiment data synchronously through the computer

*Communication protocols can be provided to access the comprehensive equipment management platform of pharmaceutical companies

*3Q verification service can be provided

Parameters

Model	CH-250A CY-250A	CH-420A CY-420A
Volume (L)	250	420
Control method/program	P•I•D fuzzy logic control/ Fixed value/program control fuzzy operation	
Temperature control range	0℃-80℃ Humidification: 10℃-70℃	
Humidity control range	15-98%RH	20-98%RH
Display resolution	0.1	
Temperature fluctuation	Temperature fluctuations≤±0.3℃	
Humidity fluctuation	Humidity fluctuations≤±0.8%RH	
Heating and humidifying total power (W)	1950	2650
Compressor power (W)	280	395
Power supply voltage	AC 220V 50/60Hz	
Stainless steel shelf	Standard 3 layers (can be added)	
External water tank volume (L)	12	
Dimensions (mm)	750×825×1585	850×970×1760
Inside size (mm)	565×485×920	665×615×1030



Explanation: The parameters are the test results of the equipment after stable operation for 2 hours at an ambient temperature of 20-25 ℃ and a voltage fluctuation of<10 .
Our company reserves the right to change technical specifications at any time.

Security Function

Independent studio over-temperature protector, which will automatically interrupt the operation if the temperature exceeds the limit
Equipment faults are automatically detected and displayed
Upper and lower limit temperature and humidity deviation sound and light alarm and protection
Humidification system automatically replenishes water, low water level alarm and protection door alarm
Sensor failure alarm
Call recovery/auto start/Auto stop/Scheduled operation Compressor overheating, overcurrent, overload protect