항온항습기

TEMP & HUMID TEST CHAMBER

How It Works

Temp & humid test chamber is progressed by interaction among very complex heat and vapor generating components such as condensers, water pumps, refrigerator units, vapor steam generators, sensors and etc. 2 sensors (temperature and humidity) in the chamber check the value in real-time. The P.I.D system precisely controls the temperature and humidity inside. Also, stainless-steel structured inner components and insulation material covered and wrapped around the cabinet help holding the temperature.

The Purpose of Use

Manufacturers have the duty to know how reliable and usable their products are in the market. The design purpose of Temp and Humid Test Chamber is to simulate conditions to identify the performance, life-period, and durability of products under certain temperature and humidity environments.

The Field of Use

Research, Industries such as Automobiles, Electronics, Foods, Medicines and etc.

Temp & Humid Test Chamber (Mini)

SJ-TH

31/31R1

CE

SJ-TH (Mini) series is suitable for restricted spaces to test. It is designed to be able to set upon a table.
(**Temperature Range**: Basic type 5 ℃ ~ 120 ℃ / R1 type -20℃ ~ 120℃), (**Humidity Range**: 30 % ~ 98 %)

Excellent Uniformity, Accuracy, and Stability

P.I.D Control System / Stainless Steel 304 (Chamber) / Glass-wool Chamber Insulation / Silicone Rubber Gasket

Convenient User-friendly Design

Temper-glass Window for Easy monitoring / One-side Focused Control Panel / Adjustable Shelf Rack / Intuitive and Simple Controller (Digital & LED) (R1 type - Touch Screen) / Auto-tuning / Retractable Leveling Caster

Safety Device

1.Electric Leakage Prevention 2.Overcurrent Prevention 3.Over-temp Prevention 4.Low Water Alarm


Controller


Glass Window


Water Level Indicator


Vent Hole


Program Controller (Options)


Recorder (Options)


Second Water Tank (Options)


Cable Hole (Options)

SJ-TH (Mini) series Specifications

For product improvement, the specification below is subject to change without prior notice. Please, contact us for the specification consultant.

Spec / Model	SJ-TH31	SJ-THSC31R1
EACH MAX. TEMP. RANGE	Max -5℃ ~ 120℃	Max -25℃ ~ 120℃
OPERATION TEMP. RANGE	+5℃ ~ 98℃ (Less than RT. 25℃)	-20℃ ~ 98℃ (Less than RT. 25℃)
OPERATION HUMI. RANGE	30% ~ 98% (±2%)	
DIMENSION INTERNAL(mm)	350x300x300	350x300x300
DIMENSION EXTERNAL(mm)	707x668x963	707x668x963
CAPACITY	31ℓ	31ℓ
MATERIAL INTERNAL	Stainless Steel(304) With Polishing Finished	
MATERIAL EXTERNAL	Steel Plate SS #41 With Powder Heating Coated	
MATERIAL VIEW WINDOW	Thermopane Glass 38T (Viwe 200x200)	
MOVING CASTER	Foot Master #40 F	
MATERIAL PACKING	Silicon Rubber Packing	
VENT	40Ø Vent Hole	
TEMP & TIME CONTROLLER	P.I.D. Controller	Digital Microprocess Programming Controller
TIME RANGE	00.00 ~ 99Hr 59Min (0r Min-Sec) Selectable Digital Timer	
TEMP SENSOR	PT-100Ω 6.4Ø	
HUMI SENSOR	Electronic Sensor Non-Coverter, 4 ~ 20㎃ Output Signal	
HEATER CAPACITY	1.8Kw (Dry, Wet)	1.8Kw (Dry, Wet)
HEATER CONTROL	S.S.R.(Solid State Relay)	
MOTOR & FAN	30W Motor - 100Ø x 50h AL Siroco Fan	
POWER	220-230V~, Max 9.5A	220-230V~, Max 10A
SAFETY	Electric Leakage Breaker, Over Temp. Protection Device	
REFRIGERATION	Dehumidification Refrigerator 1EA	Dehumidification Cooler 1EA
SHELVES	SUS (304) Punching Plate Shelves x 2ea	
INSULATED COMPONENT	GLASS-WOOL	