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 (Touch)

SJ-THSC

150R1/252R1
150R2/252R2

CE




SJ-THSC series allows smart and precise control of temperature and humidity.
(**Temperature Range**: R1 -20 ℃ ~ 98 ℃, Max 120℃ / R2 -40 ℃ ~ 98 ℃, Max 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

Smart Touch Controller / Thermo-glass Window and a LED lamp for Easy Monitoring / One-side Focused Control Panel / Adjustable Shelf Rack / Auto-tuning / Retractable Leveling Caster

Safety Device

1. Electric Leakage Prevention 2. Overcurrent Prevention 3. Over-temp Prevention 4. Manual Door Lock
5. Low Water Alarm


Controller


Handle

Glass Window (LED)


Water Level Indicator


Program Controller (Options)


Recorder (Options)


Second Water Tank (Options)


Cable Hole (Options)

SJ-THSC 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-THSC150R1	SJ-THSC252R1	SJ-THSC150R2	SJ-THSC252R2
EACH MAX. TEMP. RANGE	Max -25℃ ~ 120℃		Max -50℃ ~ 120℃	
OPERATION TEMP. RANGE	-20℃ ~ 98℃ (Less than RT. 25℃)		-40℃ ~ 98℃ (Less than RT. 25℃)	
OPERATION HUMI. RANGE	30% ~ 98% (±2%)			
DIMENSION INTERNAL(mm)	500x500x600	600x600x700	500x500x600	600x600x700
DIMENSION EXTERNAL(mm)	1,000x956x1,528	1,100x1,056x1,628	1,040x956x1,718	1,140x1,056x1,818
CAPACITY	150ℓ	252ℓ	150ℓ	252ℓ
MATERIAL INTERNAL	Stainless Steel (304) With Polishing Finished			
MATERIAL EXTERNAL	Steel Plate SS #41 With Powder Heating Coated			
MATERIAL VIEW WINDOW	Thermopane Glass 41T (Viwe 250x350)			
MOVING CASTER	Foot Master #60 F			
MATERIAL PACKING	Silicon Rubber Packing			
VENT	40Ø Vent Hole			
TEMP & TIME CONTROLLER	Digital Microprocess Touch Screen 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	2.4Kw (Dry, Wet)	3Kw (Dry, Wet)	2.4Kw (Dry, Wet)	3Kw (Dry, Wet)
HEATER CONTROL	S.S.R.(Solid State Relay)			
MOTOR & FAN	60W Motor - 150Ø x 80h AL Siroco Fan	60W Motor - 125Ø x 80h AL Siroco Fan x 2	60W Motor - 150Ø x 80h AL Siroco Fan	60W Motor - 125Ø x 80h AL Siroco Fan x 2
POWER	220-230V~, Max 16A	220-230V~, Max 20A	220-230V~, Max 22A	220-230V~, Max 25A
SAFETY	Electric Leakage Breaker, Over Temp. Protection Device			
REFRIGERATION	Dehumidification Refrigerator 1EA, Low Temp. Refrigerator 1EA		Dehumidification Refrigerator 1EA, Binary Cooler 2EA	
SHELVES	SUS (304) Punching Plate Shelves x 2ea			
INSULATED COMPONENT	GLASS-WOOL			
OPTION	RECORDER / CABLE HOLE / WATER TANK			