

Product Name :
Humidity Oven Refrigerated-Inner

Product Code :
CHINAELABC5450005



Description :

Humidity Oven Refrigerated-Inner S.S - 90X60X60 CM

Technical Specification :

Double wall construction
Interior fabricated from high grade stainless steel.
Exterior body made of Mild steel material which is duly powder coated in attractive shades
Full size polycarbonate sheet inner door to inspect samples without affecting the chamber temperature.
Properties of polycarbonate sheet door (Unbreakable, Unscratchable, High temperature resistant, Robust, Air tight and Transparent)
Double walled metal door with sponge type silicon gasket for air tight sealing
Electrical wiring as per CE Compliances
Chamber illumination is accomplished by Fluorescent light with door switch.
Cord wire duly tested and inspected with stress factor as per CE standard
Electric Motor located at the back side of unit, protected with safety cover to avoid accident
Standard motor of reputed companies Equivalent Make
User friendly and tactfully designed chamber door and locking mechanism
Aesthetic outer appearance and high quality

Insulation :

70mm polyurethane insulation (PUF)/ fiberboard to ensure better insulation and less leakage of temperature or RH from inner body to the surroundings.

Air Circulation :

Temperature is maintained by a quiet running blower circulation air throughout the chamber.
Forced air circulated vertically down and re circulated throughout the chamber for uniform temperature and

humidity.

Humidity :

Humidity created by steam injection method.

The boiler tank is fitted in the back side of the chamber for better servicing, Electromagnetic switch for controlling the wet heater from burning off if water level is not adequate.

Float valve provided to control water level in the boiler tank.

Heating & Cooling System :

Long lasting SS tubular heaters used as heating element.

The stainless steel fins provided to ensure better heat transfer.

Hermetically sealed compressor CFC free compressor (134 A gas) coupled with evaporation coil and condenser.

Trays for samples :

Removable perforated trays

Manufactured from strong S.S. Rods to withstand heavy load of test specimens

Such trays also facilitates better air circulation

The distance between trays will be 15-20 centimeters

Control :

Microprocessor based Digital Auto-Tune PID temperature and direct RH digital controller.

Humidity directly measured in % RH by electronic sensor.

Temperature Range: 10 °C to 70 °C, Accuracy : ± 0.5 °C

Humidity Range: 40 % RH to 95 % RH, Accuracy : ± 2 % RH

Safety Features :

High temperature safety cut off

Low water level boiler cut off

Electrical overload cut off

Time delay for compressor switch ON

Electrical circuit breaker

Documentation :

Supplied with IQ, OQ, PQ, DQ, Documents as per USFDA Guidelines, Validation Report and Instruction Manual.

Pre installation mandatory requirement : (Guarantee void in case of non compliance)

Distilled water OR DM water continuous supply with tap for boiler input of 3/8" BSP at 3 feet height.

Room temperature around machine preferably at 25 °C with air conditioning or a well ventilated room with exhaust fan.

However surrounding temperature should not exceed 30 °C .

Stabilized Input Voltage of 230 Volt, 50 Hz, 20 Amps, AC Supply. Use of Servo Controlled Stabilizer is recommended.

Water drain line with 3/8" nozzle to be provided at floor level.

Recommended to install the chamber 2 ft. away from the back wall and 1 ft. from all sides

UPS for control system upto 1 KVA



Engineering Lab China

