

Photo Stability Chamber



Trays:

- Stainless Steel perforated trays

Lighting:

- Interior illumination for working area.

Insulation:

- 3" Thick CFC free PUF Insulation.

Heating System:

- U shaped S.S. Nichrome wire air heaters.

Humidity Sensor (Optional):

- Direct Digital read out of % RH with a electronic capacitance type sensor

Observation Door:

- Inside see through unbreakable acrylic door

Refrigeration System:

- Hermetically Sealed CFC Free Emerson Copeland Compressor with R 134a (Eco Friendly) refrigerant having state of art by pass system for continues run of compressor.



Humidity System:

- Non condensing type steam injection system with water level arrangement with insulation to save heat energy.

Control System:

- Precise control of temperature and humidity by using CE approved micro controller based PID controller (Auto tuning type)

Validation Port:

- 50 mm validation Port Hole with silicone rubber seal to insert sensor for validation purpose.

Power:

- Works on 230 V AC single phase 50Hz

Other:

- Castor wheels, MCB, Adjustable Tray Height arrangements. Heavy-duty latch with lock & key.

Safety Features:

- Float switch to cutoff the mains supply in case of low water level in the boiler tank.
- Dedicated safety controller with separate sensor to cut off the supply in case of overshoot and undershoot of Temperature giving audio visual alarm.
- Additional safety thermostat to cut off the boiler system in case of overshoot of temperature.
- Sec. compressor 'ON' delay timer to safe guard the compressor

SPECIFICATIONS:

Temperature Range	:20° C to 60° C
Temperature Accuracy	:± 0.2° C
Temperature Uniformity	:± 1° C
Humidity Range	:40% RH to 95% RH.
Humidity Accuracy	:± 2% RH.
Humidity Uniformity	:± 3% RH.
Alarm	:Audio Visual Alarm
Capacity in Liters	:324
Internal Size in cms	:(W x D x H)

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