

WALKING CHAMBER



Model No- SLE WCM-001

Sun Lab make Walking Chamber is designed for testing the capability of heat-endurance, cold-endurance, dryness-endurance, and humidity-endurance. Designed to Quality Control and R&D work across all industries. Temperature and Humidity conditioning of materials or products. Accelerated aging of samples and materials used to better understand product quality over extended periods.

- PLC Control system with touch screen display colored screen 4.3" HMI Display with Ethernet.
- Safety alarm devices for Temperature and Humidity overshoot and undershoot.
- Standby Humidifier is available.
- Standby cooling systems available.
- SS – 316 water heaters provided for Humidity.
- Scanner single point Temperature and Humidity scanner with its complete sensor with transmitter will be provided.
- S.S Boiler Tank with its accessories will be provided.
- Cooling system make EMERSON with complete cooling accessories.
- Trays perforated stainless steel (SS 304) trays will be provided.

Equipped with CFC free refrigerants and air-cooled compressors, the instrument performs conditioning procedures required in various industries. The Humidity Chamber comes with aerodynamically shaped fans for maintaining heating, cooling, humidification and dehumidification efficiency and provides environmental simulations.

Key Specifications:

Size	1700 mm x 1000 mm x 1800 mm (W x D x H) 3060 Liter (Number of trays – 10)
Construction:	Interior body made of Stainless Steel 304. Exterior body made of Stainless Steel 304 – GMP Model – both Matt Finish Door: Full view, toughened glass with air gap installed with imported hinges & lock for viewing stored sample without opening.
Insulation:	Double walled PUF insulation 60 MM modular panel.
Control System:	Fully controlled by Programmable Logic Controller (PLC) and communication on Ethernet.
HMI:	4.3" touch screen display.
Sensor:	Scanner single point Temperature and scanner single point Humidity sensor with transmitters will be provided. (4 mA To 20 mA) Universal input.
Cooling System:	Compressor make "EMERSON" fitted with ISO -9001 certified ozone friendly hermetically sealed compressor charged with CFC/HCFC free refrigerant.
Temperature	20 deg C to 60 deg C
Humidity	40% RH to 95% RH
Temperature accuracy	+/- 0.2 deg C
Humidity accuracy	+/- 2% RH

Highlights:

Boiler Tank:	Boiler Tank is made of Stainless Steel. Separate water tank and boiler tank will be provided. The above set includes humidifier heater, float switch and float valve.
Humidity System:	By steam injection method.
Heating System:	Long lasting (S.S) tubular fin type heating elements stainless steel.
Power Supply:	Mains supply 230V AC, 50Hz Single phase.
Air Circulation:	Forced air circulation for uniform temperature & humidity.
Trays:	Perforated stainless steel (SS 304).
Temperature uniformity	+/- 2 deg C
Humidity uniformity	+/- 3 % RH

Optional Features -

<ul style="list-style-type: none"> ▪ <u>Temperature and Humidity Scanner with Transmitter:</u> - Individual scanner single point Temperature and Humidity scanner with transmitter complete set fixed inside in each corner of the equipment. (4 mA to 20mA universal input)
<ul style="list-style-type: none"> ▪ <u>Common software:</u> - ▪ OE DAS – 2.0 Version (USFDA 21 CFR PART 11 COMPLIES) ▪ One software can connect to 10 equipment's in a single computer and able to monitor the same with equipment audit trail facilities. ▪ Various range of working chamber sizes & capacity of liters are available. (3060 liter to 16000 liter)

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Some of our Key LAB PRODUCTS:

					
Humidity Oven	Autoclave	Muffle Furnace	Vacuum Oven	Constant Temp Bath	BOD Incubator

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