

Stability Test 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 R134a (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 silicon 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:

- Capacity 280 liters
- Temperature Range: 20° C to 60° C
- Temperature Accuracy: $\pm 0.2^{\circ}$ C
- Temperature Uniformity: $\pm 1^{\circ}$ C
- Humidity Range: 40% RH to 95% RH.
- Humidity Accuracy: $\pm 2\%$ RH.
- Humidity Uniformity: $\pm 3\%$ RH.
- Alarm: Audio Visual Alarm
- Internal Size: 58 X 50 X 102 (W X D X H) cm

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 **Analytical**®
Technologies Limited

HPLC Solutions MultipleLabs Analytical Bio-Med Analytical Distributors Analytical Foundation (Trust)

Corporate & Regd. Office:
Analytical House, # E67 & E68,
Ravi Park, Vasna Road, Baroda,
Gujarat 390 015. INDIA

T: +91 265 2253620
+91 265 2252839
+91 265 2252370
F: +91 265 2254395

E: info@hplctechnologies.com
info@multiplelabs.com
info@analyticalgroup.net
info@analyticalbiomed.com

W: www.ais-india.com
www.analyticalgroup.net
www.hplctechnologies.com
www.multiplelabs.com

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