



ENVIRONMENTAL CHAMBER BCEV-105

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A perfect appliance for environmental simulation that consistently is designed to give you a lasting performance. It precisely performs controlled material tests, aging tests and function tests. Durable interiors along with safety features make it an ideal option.

Used in Widely used for controlled testing of substances of specified environmental conditions. A perfect partner for stability and stress testing, shelf life studies and other biological research..

Also known as Environment Simulation Chamber, Test Chamber, Laboratory Environmental Chamber.

BCEV-105 ENVIRONMENTAL CHAMBER

Stainless steel SUS304 inner chamber and cold rolled steel plate with electrostatic powder spraying exterior

Forced cold-air circulation system with low-noise axial flow and centrifugal fan ensures the temperature uniformity

Warped type evaporator

Air cooling system

Digital Controller with fix running mode

Refrigerant: CFC free R404A

Door with non-condensation observation window and illumination

Silicon rubber material ensures tight sealing and prevents heat loss

Test hole with a diameter of 1 set x 50 mm

Heat insulation: PU FOAM + Glass fibre cotton material

Brazed plate heat exchangers (BHEs) offers highest heat transfer performance

High quality hermetic compressor: Low energy consumption, low noise level and low heat dissipation

Noise level: ≤ 65 dB

Castors: 4 units for easy handling

Safety features:

Over-temperature, Over-current, Electric leakage, Power phase, Fuse, Ground, and Water shortage Protection

Over-pressure, Over-heating, Over-current protection for compressor

SPECIFICATIONS

| Model | BCEV-105 |
|-------------------------|-------------------------|
| Capacity | 250 L |
| Temperature Range | 0-65°C |
| Temperature Accuracy | $\pm 1^\circ\text{C}$ |
| Temperature Uniformity | $\pm 2.0^\circ\text{C}$ |
| Temperature Fluctuation | $\pm 0.5^\circ\text{C}$ |
| Temperature Resolution | 0.1°C |
| Temperature Sensor | Pt 100 Ω |
| Humidity Range | 55-95 %RH |
| Humidity Accuracy | $\pm 0.5\%$ RH |
| Humidity Uniformity | $\pm 2.0\%$ RH |
| Humidity Fluctuation | $\pm 2.0\%$ RH |
| Humidity Sensor | Dry and wet bulb sensor |
| Heating Rate | 2-3°C/min |

| | |
|--------------------|-------------------------------------|
| Cooling Rate | 1-2°C/min |
| Timer Range | 1-9999 min |
| Shelves | 3 |
| Load per Shelf | 15 kg |
| Inner Dimension | 550x445x1100 mm |
| Overall Dimension | 820x570x1835 mm |
| Weight (Net/Gross) | 164/170 kg |
| Power | 680 W |
| Power Supply | 120V/220V/240V/380V/415V, 50Hz/60Hz |



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