



30 Cu. Ft. PHOTOSTABILITY CHAMBER

THREE-SHELF 30 CUBIC FOOT PHOTOSTABILITY CHAMBER

- Air-cooled internal refrigeration system.
- Door latch allows for a pad lock.
- System will be capable of operating in the range defined below:
 - Minimum air temperature of 5°C (with no RH control)
 - Minimum air temperature of 15°C (with RH control)
 - Maximum air temperature of 30°C
 - Maximum dew point of 25°C
 - Minimum dew point of 8°C
- Temperature and relative humidity tolerance will adhere to International Conference on Harmonization (ICH) Guideline for Stability Testing over the defined operating range.
 - Temperature $\pm 2^{\circ}\text{C}$
 - Relative Humidity $\pm 5\%$
- Digital high grade, thin film temperature compensated RH/temperature sensor/transmitter which allows for very convenient, low cost calibrations.
- Safety devices including over-temperature safety switch, high and low refrigeration pressure switch and low water cutoff.
- Three adjustable-intensity, lighted shelves
 - Any combination of shelves (visible verses UV) can be selected at the time of order.
 - The ballasts for the visible and UV lamps are interchangeable. The lamps can be replaced to convert from one type of light source to another. (If the automatic light control feature is purchased the light sources are not interchangeable).
 - Each shelf will adhere to photo stability requirements as defined in the International Conference on Harmonization (ICH) Guideline Q1B entitled Guidance for Industry Q1B Photo Stability Testing on New Drug Substances and Products

Specifications

9134 SERIES

Relative Humidity Range: 35 to 70%
(limited by a 4°C dew point)
Relative Humidity Constancy: $\pm 0.5\%$
Relative Humidity Uniformity: $\pm 1.0\%$ at 25°/60%
Temperature Range: 15 to 30°C
Temperature Constancy: $\pm 0.2^{\circ}\text{C}$
Temperature Uniformity: $\pm 0.2^{\circ}\text{C}$ at 25°/60%

UTILITIES

Domestic: 208/230V, 1-Phase, 60Hz
International: 230V, 1-Phase, 50Hz
Refrigerant: R-134A (non-ozone depleting gas)

DIMENSIONS

External:
53.5" w x 36" d x 79" h (nominal)

Internal:
34.5" w x 28.75" d x 52.5" h (nominal)

WEIGHT

750 lbs.

SHIPPING WEIGHT

1000 lbs.



- Maximum usable height from light source to process area bottom will be 14". This includes riser and light sensor area if so equipped.
- Basic light source includes a manual dimmer for light intensity control.

RH VARIABLES	OURS	THEIRS
TOTAL	± 2.5%	± 6.0%
CONTROL CONSTANCY	± 0.5%	± 2.0%
CHAMBER UNIFORMITY	± 1.0%	± 2.0%
SENSOR ACCURACY	± 1.0%	± 2.0%

Extremely Precise Control
Low Energy Requirements
Low Maintenance

Benefits

Reduces uncertainty
Easy to provide NIST recertification
Proven methodology
Extremely stable and uniform environment
Reliable data
Worry-free operation

Features

Precise chamber control
Rack-mounted hygrometer
Hygrometer utilizes primary measurement technique
Long proven and unsurpassed humidity control system
Highly accurate NIST traceable sensor
Sensing system discriminates between dew and contaminants

SmartPad Microprocessor

Parameter's SmartPad microprocessor controller is a user-friendly system that provides optimum accuracy and control. The SmartPad is equipped with direct readings in both temperature and humidity. It features 60-segment programming for automatic cycling and ramping and soaking excursions. High-low or deviation alarms and digital communications ports are standard features.

All Parameter equipment is exhaustively tested at your specified condition prior to shipping to ensure trouble-free operation.

To see more schematics, please visit www.humiditycontrol.com.

