AN UNSURPASSED RH CONTROL OF ± 0.5%.

Parameter’s test chambers are designed to accurately produce temperature and humidity conditions required for applications including stability studies, package testing, TAPPI, MIL-SPEC, and vapor transmission. The 30 cu. ft. chamber features our unique humidity control system, enabling the user to attain unsurpassed levels of RH/temperature control and uniformity.

Applications for this unit include diverse industries, such as pharmaceutical development and manufacturing, electronic components, food, semiconductor, paper and pulp, and anywhere precise humidity control and temperature replications are required.

The interior chamber of the unit is constructed of a very durable, corrosion resistant 304 stainless steel. Low watt density heaters are used that also contribute to the unit’s longer life.

Depending on the application, the chamber airflow can be factory configured from the standard horizontal flow to a vertical flow. Additional options include extended ranges, chart recorders, outer door window, or clear inner door with optional iris opening.

### Specifications

<table>
<thead>
<tr>
<th>7311-3110 SERIES (Domestic)</th>
<th>7331-5110 SERIES (International)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative Humidity Range: 10 to 95% (limited by a 4° dew point)</td>
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</tr>
<tr>
<td>Relative Humidity Constancy: ± 0.5%</td>
<td>Relative Humidity Uniformity: ± 0.5% at 25°/60%</td>
</tr>
<tr>
<td>Relative Humidity Uniformity: ± 1.0% at 25°/60%</td>
<td>Temperature Constancy: ± 0.2%</td>
</tr>
<tr>
<td>Temperature Uniformity: ± 0.2% at 25°/60%</td>
<td>Temperature Range: 7 to 85°C</td>
</tr>
</tbody>
</table>

### UTILITIES

- **Domestic:** 208/230V, 1-Phase, 60Hz, 25.6 FLA, 16.2 RLA
- **International:** 230V, 1-Phase, 50 Hz, 20.6 FLA, 12.5 RLA

Refrigerant: R-134A (non-ozone depleting gas)

### EXTERNAL CHAMBER DIMENSIONS

53.5”w x 36”d x 79”h (nominal)

### INTERNAL CHAMBER DIMENSIONS

34.5”w x 28.45”d x 52.5”h (nominal)

### WEIGHT

- **750 lbs.**
- **Shipping Weight:** 1000 lbs
Benefits
Extremely stable and uniform environment
Maintains superior constancy and uniformity
Security and safety
Equipment longevity; corrosion resistant
Ease of operation

Features
RH control constancy of ± 0.5%
Temperature control constancy of ± 0.2°C
Multiple safety cut-offs
304 stainless interior chamber
User-friendly and unit-specific digital controller

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.