



## 10 CU FT CHAMBER

### AN UNSURPASSED RH CONTROL OF $\pm 0.5\%$ .

Parameter chambers feature our unique humidity control system, which enables the user to attain unsurpassed levels of RH/temperature control and uniformity. 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.

Applications for the 7000 Series units 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 each unit is constructed of a very durable, corrosion resistant 316 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. The 7000 Series system includes free logging software.

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

Extremely Precise Control  
Low Energy Requirements  
Low Maintenance

### Specifications

#### 7104-3140 SERIES (Domestic)

#### 7104-5140 SERIES (International)

Relative Humidity Range: 22 to 83%  
(limited by a 5° dew point)

Relative Humidity Constancy:  $\pm 0.5\%$

Relative Humidity Uniformity:  $\pm 1.0\%$  at  
25°/60%

Temperature Range: 8 to 40°C

Temperature Constancy:  $\pm 0.2\%$

Temperature Uniformity:  $\pm 0.2\%$  at 25°/60%

#### UTILITIES

Domestic: 208/230V 1-Phase, 60Hz, 9.3  
FLA, 6.6 RLA

International: 230V, 1-Phase, 50Hz, 6.8  
FLA, 4.2 RLA

Refrigeration Unit: Fractional HP utilizing  
non-ozone depleting gas

Maximum heat of rejection: 4,200 BTU per  
hour

#### WEIGHT

390 lbs.

#### SHIPPING WEIGHT

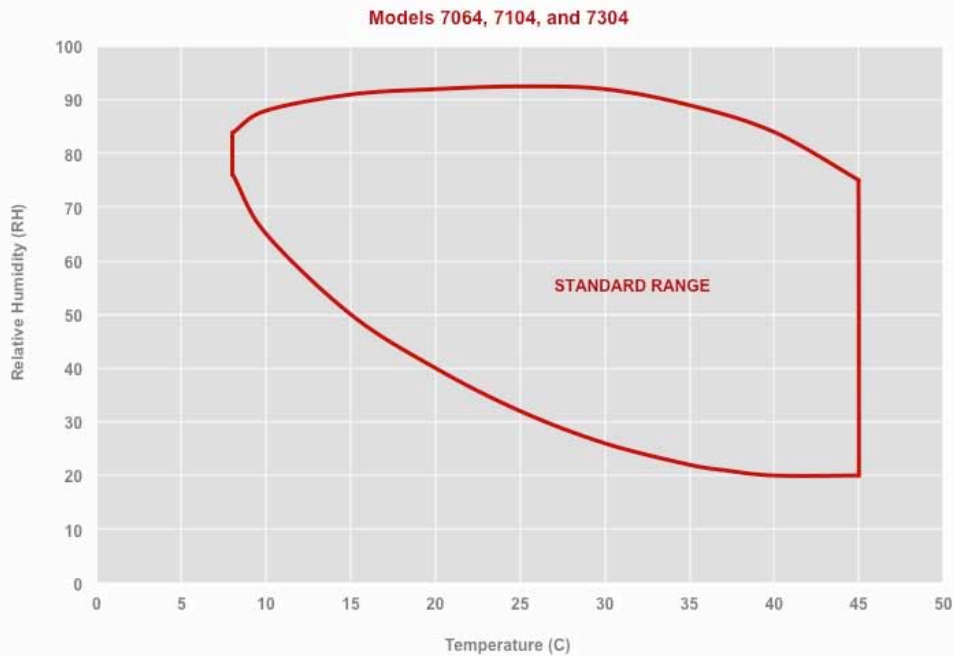
575 lbs.

#### EXTERNAL CHAMBER DIMENSIONS

34"w x 32"d x 55"h (nominal)

#### INTERNAL CHAMBER DIMENSIONS

24"w x 26"d x 27"h (nominal)



### 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  $\pm 0.5\%$
- Temperature control constancy of  $\pm 0.2^{\circ}\text{C}$
- Multiple safety cut-offs
- 316 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 40-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.**