



## 40 CUBIC FOOT REACH-IN CHAMBER

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

The Parameter 40 cubic foot chamber features our unique humidity control system that enables the user to attain unsurpassed levels of RH/temperature control and uniformity.

The chamber has been designed with an exceptional heat exchange system that takes the refrigeration coil out of the process air stream to enhance the long-term performance of this chamber. These 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 are found in such diverse industries as pharmaceutical development and manufacturing, electronic components, food, semiconductor, paper and pulp, and wherever precise humidity control and temperature replications are required.

The interior and exterior chamber 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.

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

#### 7407-3110 SERIES (Domestic)

#### 7407-5110 SERIES (International)

Relative Humidity Range: 10 to 95%  
(limited by a 7°C dew point)

Relative Humidity Constancy:  $\pm 0.5\%$

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

Temperature Range: 10 to 60°C

Temperature Constancy:  $\pm 0.2\%$

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

### UTILITIES

Domestic: 208/230V, 1-Phase, 60Hz, 6  
FLA, 6 RLA

International: 230V, 1-Phase, 50Hz, 6  
FLA, 6 RLA

Refrigeration Unit: Fractional HP utilizing  
non-ozone depleting gas

### WEIGHT / SHIPPING WEIGHT

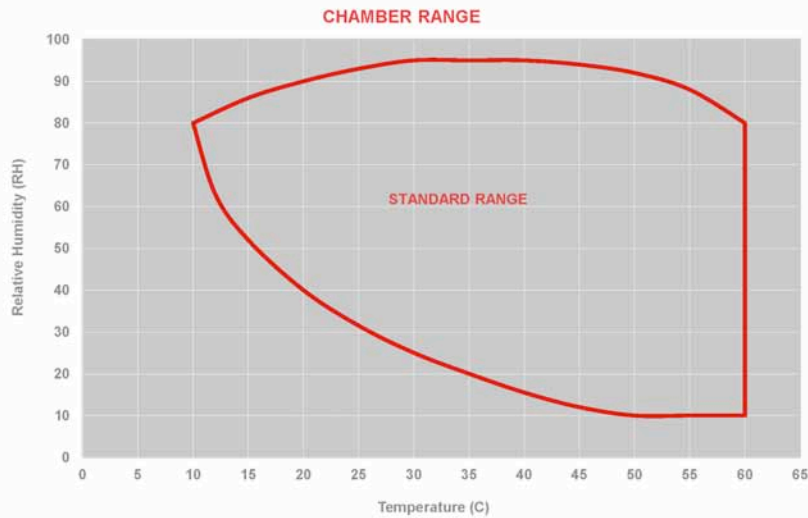
800 lbs. / 1200 lbs.

### EXTERNAL DIMENSIONS

58" w x 32" d x 78" h (nominal)

### INTERNAL DIMENSIONS

33" w x 29" d x 68" h (nominal)



### Benefits

- Extremely stable and uniform environment
- Maintains superior constancy and uniformity
- Security and safety
- Equipment longevity; corrosion resistant
- Ease of operation

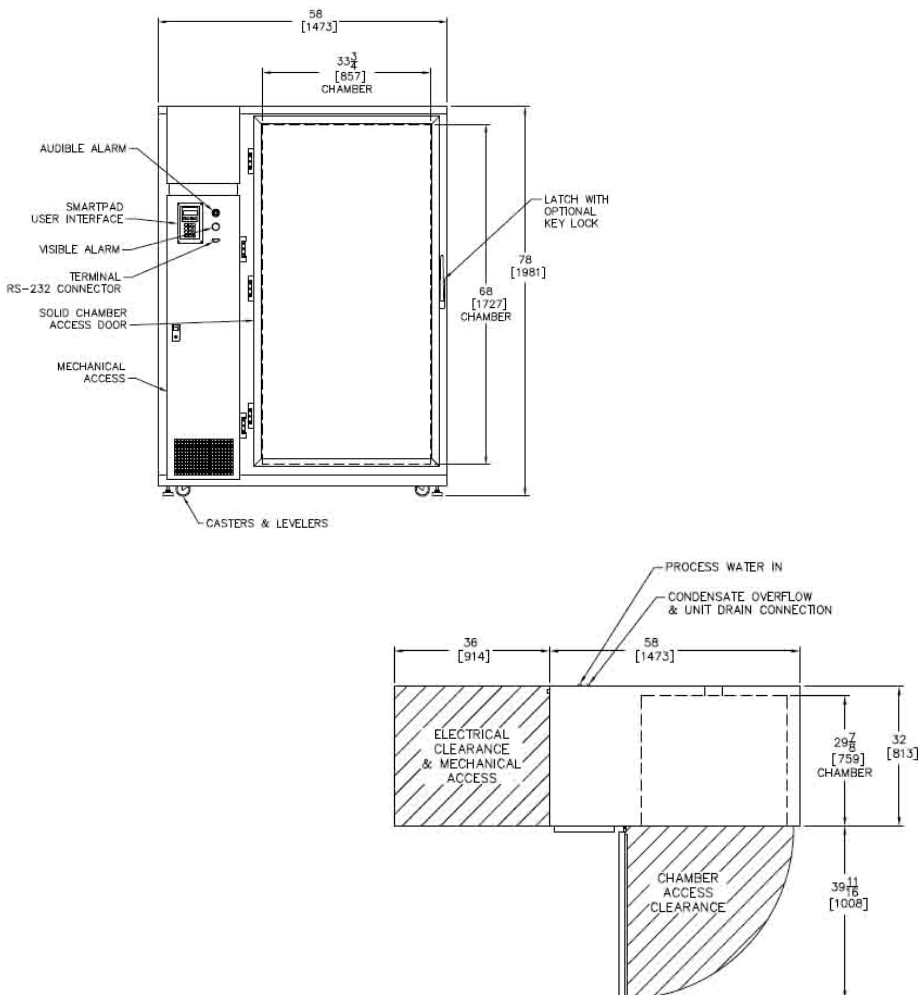
### Features

- RH control constancy of  $\pm 0.5\%$
- Temperature control constancy of  $\pm 0.2^{\circ}\text{C}$
- Multiple safety cut-offs
- 316 stainless steel interior chamber
- User-friendly and unit-specific digital controller

### Smart Pad Microprocessor

Parameter's Smart Pad microprocessor controller is a user-friendly system that provides optimum accuracy and control. The Smart Pad 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.**



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