



## 250-400 CFM HORIZONTAL CONDITIONER

### PRECISE CONTROL IN A COMPACT PACKAGE

Parameter's humidity generating systems are unique. The sources for humidity, dehumidification, heating, cooling, and circulation are all packaged in one self-contained unit. This unit is specifically designed to provide 250- 400 CFM of conditioned air to small rooms and reach-in chambers. The conditioner is designed to produce very precise humidity and temperature control.

Since this generating unit is self- contained, it can be easily used to condition existing spaces, small walk- in rooms, and custom chambers. The size of this unit allows it to sit on top of existing chambers or rooms and circulate conditioned air through the contained space.

The 250 to 400 CFM unit is one of our smaller conditioners and is designed to easily connect to the conditioned space. This unit does not require compressed air or ultra pure water (tap water is generally fine). The interior and exterior are constructed of corrosion-resistant stainless steel. Low watt density heaters also contribute to the unit's durability. Various safety devices are also included.

The conditioner is controlled by Parameter's Smart Pad, a user-friendly system that provides optimum accuracy and control. The Smart Pad is equipped with direct readings for both temperature and humidity. It also features 60 segment programming for automatic cycling. High-low or deviation alarms and serial communications port (with software) are standard.

### Specifications

#### 9324-31E0 SERIES (Domestic)

#### 9324-5150 SERIES (International)

Relative Humidity Control:  $\pm 0.5\%$   
Relative Humidity Uniformity:  $\pm 0.5\%$   
Relative Humidity Accuracy:  $\pm 1.0\%$   
Relative Humidity Range: 20 to 93%

Temperature Control:  $\pm 0.1^{\circ}\text{C}$   
Temperature Uniformity:  $\pm 0.2^{\circ}\text{C}$   
Temperature Accuracy:  $\pm 0.2^{\circ}\text{C}$   
Temperature Range: 5 to  $40^{\circ}\text{C}$

### UTILITIES

Domestic: 208/230V, 1-Phase, 60HZ,  
14.7 FLA, 9 RLA  
International: 230V, 1-Phase, 50Hz,  
11.9 FLA, 9 RLA

Process Water: 3 gallons per day  
maximum

Condensate drain: 3 gallons per day  
maximum

Refrigeration Unit: Fractional HP  
utilizing non-ozone depleting gas  
Maximum heat of rejection: 7,025 BTU  
per hour

### WEIGHT

320 lbs.

### SHIPPING WEIGHT

400 lbs.



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

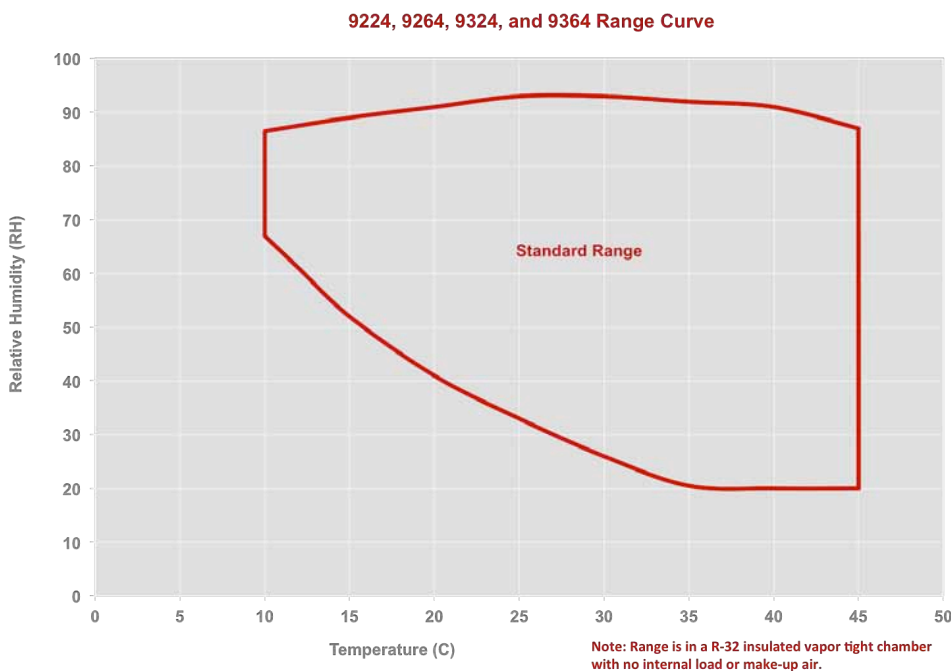
Extremely stable and uniform environment  
Maintains superior constancy and uniformity  
Security and safety  
Equipment longevity; corrosion resistant  
Ease of operation

### Features

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

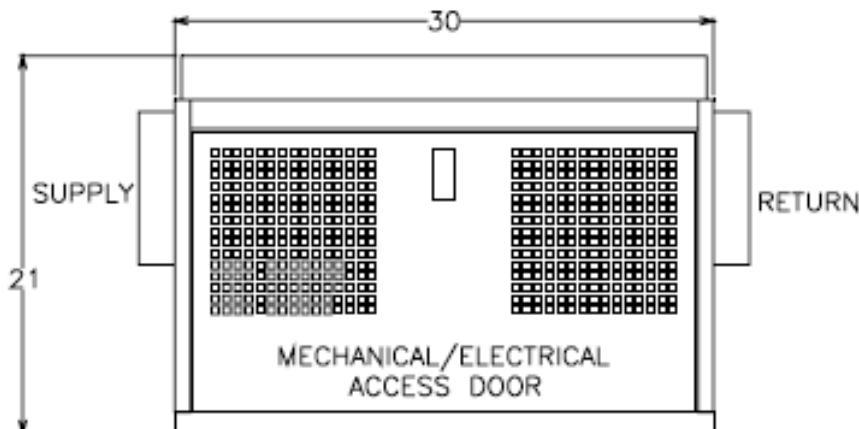
### SmartPad Microprocessor

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 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, visit  
[www.humiditycontrol.com](http://www.humiditycontrol.com).



PO Box 129  
1054 Old US 70 West  
Black Mountain, NC 28711  
800.438.5494 toll-free  
[www.humiditycontrol.com](http://www.humiditycontrol.com)