



250-400 CFM VERTICAL 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. This unit is a great choice if you do not have ceiling space above to house a conditioner. This vertical unit attaches directly to the wall of the room to minimize floor space required.

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

9224-31E0 SERIES (Domestic)

9224-51E0 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: 8 to 40°C

UTILITIES

Domestic: 208/230V, 1-Phase, 60 Hz,
12.21 FLA, 9.42 RLA
International: 230V, 1-Phase, 50Hz, 12
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: 8,323 BTU
per hour

WEIGHT

640 lbs.

SHIPPING WEIGHT

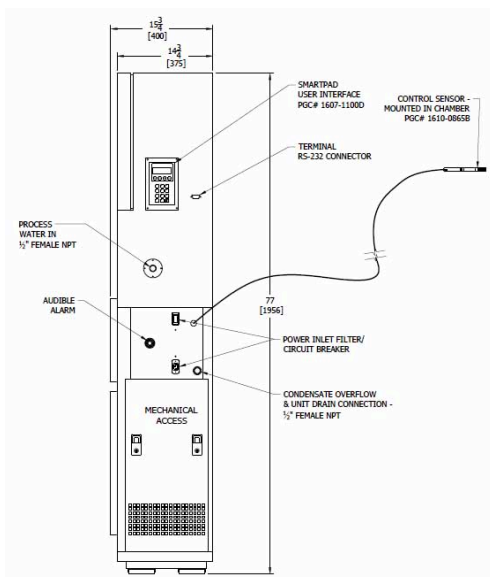
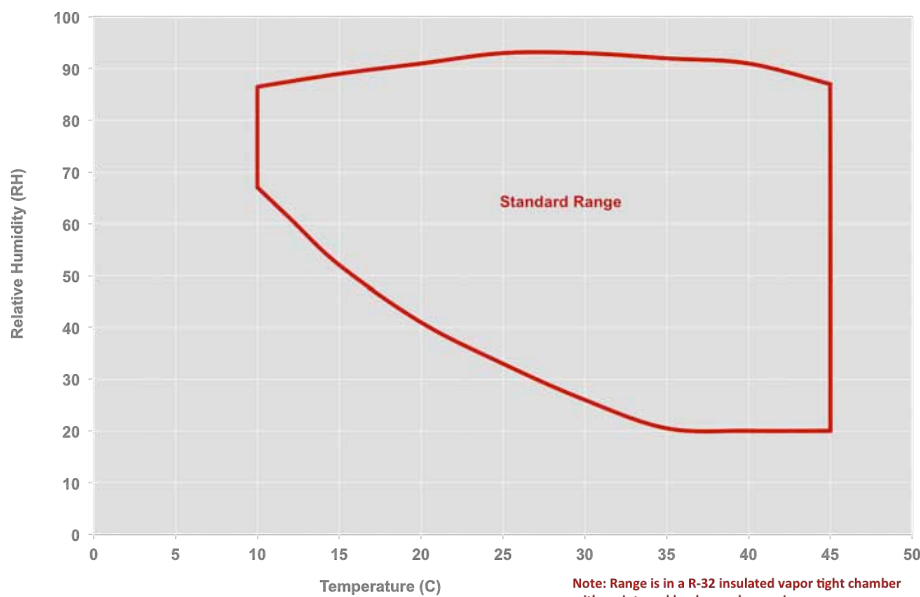
750 lbs.



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

9224, 9264, 9324, and 9364 Range Curve



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 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.

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