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100-200 CFM CONDITIONING UNIT

Precise control in a compact package

PGC'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 100-200 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 100 to 200 CFM unit is our smallest conditioner and is conven-



iently designed to run on a 15 amp 115 volt power source. 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 cutouts are also included

The conditioner is controlled by PGC's SmartPad, a user-friendly system that provides optimum accuracy and control. The SmartPad is equipped with direct readings in 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.



*100-200 CFM Conditioner
Can be connected to PGC 10
or 25 cu.ft. chamber as well
as small walk-in rooms*

FEATURES

1. Precise temperature and humidity control
2. High grade temperature compensated humidity sensor
3. Stainless steel construction
4. High-low or deviation alarms
5. Compact Package

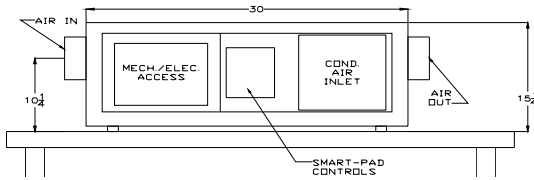
BENEFITS

1. Consistent and accurate results
2. Confidence in the measured condition
3. Durable
4. Security and safety
5. Easy to apply



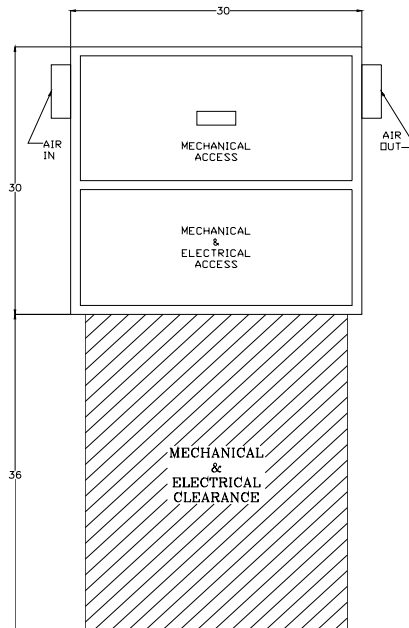
RH Variables	PGC, Inc	Competition
Control Constancy	±0.5% RH	±2.0% RH
Chamber Uniformity	±0.5% RH	±2.0% RH
Sensor Accuracy	<u>±1.0% RH</u>	<u>±2.0% RH</u>
Total	±2.0% RH	±6.0% RH

Dimensions



Front View

Top View



System is designed for connection to:

- 10 or 25 cubic foot PGC reach-in chamber.
- Existing reach-in chambers.
- Walk-in rooms. (existing or provided by PGC)

SPECIFICATIONS

Series 9310

Relative Humidity Control: $\pm 0.5\%$
 Relative Humidity Uniformity: $\pm 0.5\%$
 Relative Humidity Accuracy: $\pm 1.0\%$
 Relative Humidity Range: 22 to 83%

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

115 V, 15 FLA, 1 phase, 60 Hz (Available in 230 V, 1 phase, 50 Hz)
 Water: 1 gallon per day maximum (can be manually refilled without hard piping)
 Drain: Condensate drain or pan required

Weight

240 lbs.

Shipping Weight

290 lbs. (domestic)



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System Range

