

PARAMETER GENERATION & CONTROL

PRECISE HUMIDITY CONTROL SYSTEMS

C CONDITIONING UNITS

*Versatility with $\pm 0.5\%$
RH control.*

PGC's humidity generating systems are unique. The sources for humidity, dehumidification, heating, and refrigeration are all packaged in one self-contained unit. The unit is specifically designed to condition both modular paneled walk-in rooms and pre-existing laboratory or process areas. A PGC conditioner is designed to produce very precise humidity and temperature control.

Since these generating units are self-contained, they can be easily used to condition existing walk-in rooms, custom chambers, and even existing laboratory or process areas. Units are manufactured in both vertical and horizontal configurations. Horizontal units can be positioned on top of a walk-in room.

The interiors are constructed of very durable, corrosion-resistant 316 stainless steel. Low watt density heaters also contribute to the unit's longer life. Various safety cutouts are also included.

The conditioners are 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 and also ramping and soaking excursions. High-low or deviation alarms and a serial communications port are standard.



FEATURES

- RH control constancy of $\pm 0.5\%$
- Temperature control constancy of $\pm 0.1^\circ\text{C}$
- Relative humidity uniformity of $\pm 0.5\%$
- High-low or deviation alarms
- 316 stainless steel construction throughout the chamber

BENEFITS

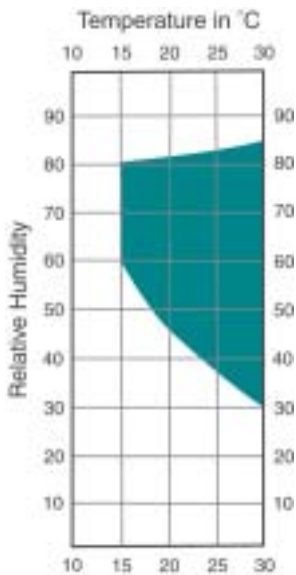
- Consistent and accurate results
- Stable and uniform environment
- Unsurpassed accuracy
- Security and safety
- Ease of operation

RH Variables	PGC, Inc.	Competition
Control Constancy	$\pm 0.5\%$	$\pm 2.0\%$
Chamber Uniformity	$\pm 0.5\%$	$\pm 2.0\%$
Sensor Accuracy	$\pm 1.0\%$	$\pm 2.0\%$
Total	$\pm 2.0\%$	$\pm 6.0\%$

CFM Range	Series Number	External Dimensions
100-200	9210	30" w x 30" d x 49" h
400-700	9240	32" w x 44" d x 69" h
	9340*	68" w x 45" d x 37" h
800-1200	9280	74" w x 32" d x 79" h
	9380*	83" w x 50" d x 43" h
1500-3000	9230	74" w x 32" d x 79" h
1500-2000	9330*	83" w x 50" d x 43" h
3500-5000	9250	62" w x 52" d x 99" h
5500-7000	9270	62" w x 52" d x 99" h

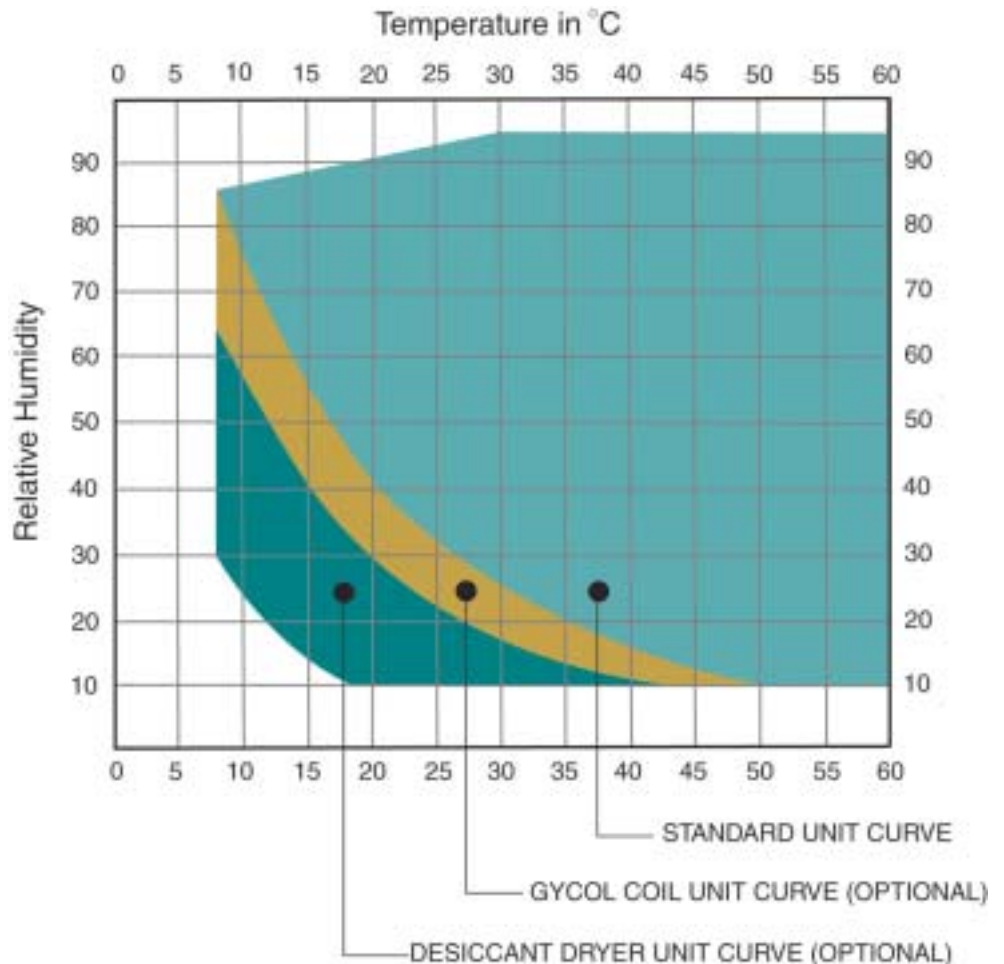
*horizontal (ceiling mount) unit

Performance Curve for Units
100-200 cfm
3500-5000 cfm
5500-7000 cfm



Performance Curve for Units
400-700 cfm
800-1200 cfm
1500-3000 cfm

*Low temperature option available



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