

PARAMETER GENERATION & CONTROL

PRECISE HUMIDITY CONTROL SYSTEMS

7000 Series Reach-In Chambers

(Formerly Series 9310C)

*Unsurpassed RH
control of $\pm 0.5\%$.*

PGC's humidity generating systems are unique. The sources for humidity, dehumidification, heating, cooling, and circulation are all packaged in one self-contained unit. The 7000 Series is specifically designed to provide very precise humidity and temperature control.

These systems are applied in many industries including pharmaceutical development and manufacturing, electronic components, food packaging, semiconductor, pulp and paper, and wherever precise humidity and temperature replications are required.

These reach-in chambers are conveniently 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

*30 cu.ft. Cabinet
Model 7254-1164A
Cabinet sizes are available in
6, 10, & 40 cubic foot sizes*

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 chamber 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 multi segment programming for automatic cycling. High-low or deviation alarms and serial communications port (with free software) are standard.



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. Logging Software with digital interface

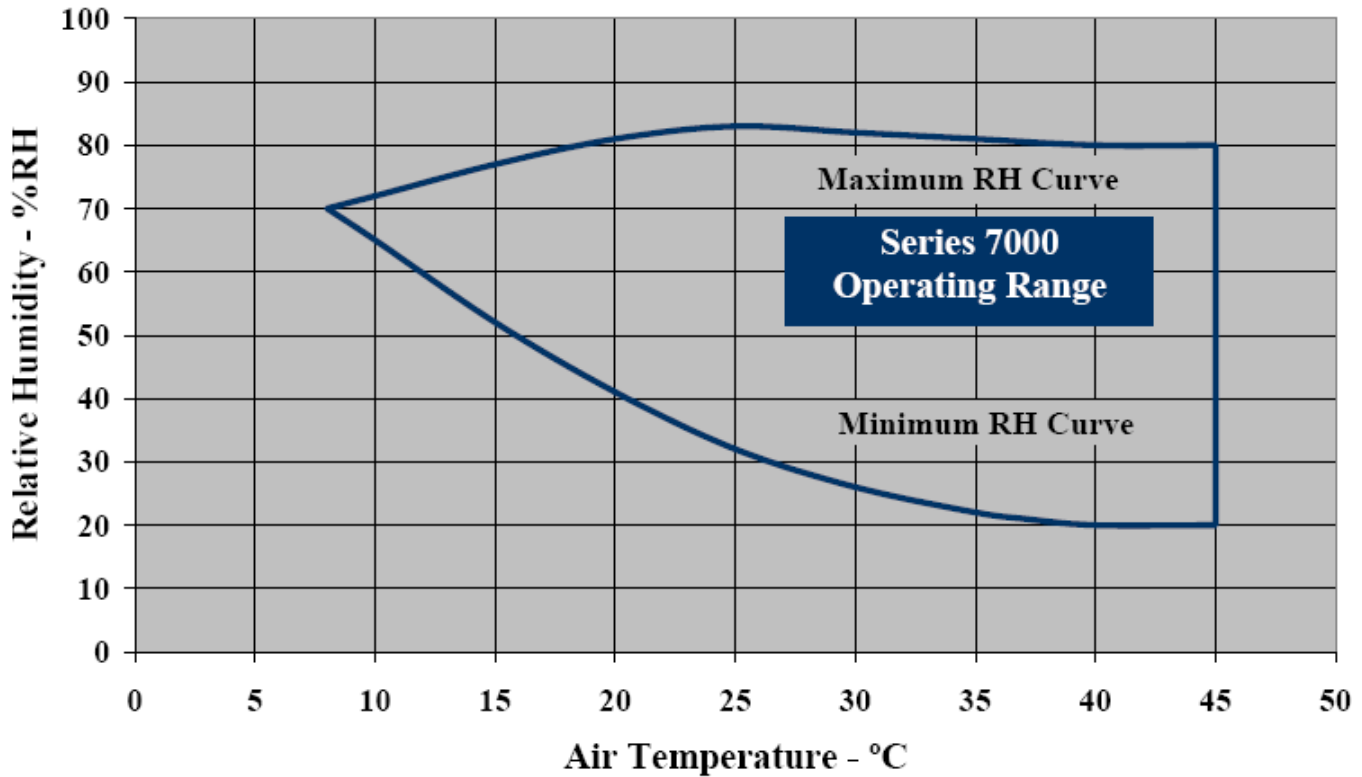
BENEFITS

1. Consistent and accurate results
2. Confidence in the measured condition
3. Durable
4. Security and safety
5. Confirm proper operation



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

System Range



SPECIFICATIONS

Series 7000

Relative Humidity Control: $\pm 0.5\%$
 Relative Humidity Uniformity*: $\pm 0.5\%$
 Relative Humidity Accuracy: $\pm 1.0\%$
 Relative Humidity Range: 20 to 83%

Temperature Control: $\pm 0.1^\circ\text{C}$
 Temperature Uniformity*: $\pm 0.3^\circ\text{C}$
 Temperature Accuracy: $\pm 0.2^\circ\text{C}$
 Temperature Range: 8 to 45°C

*uniformity is at $25^\circ\text{C}/60\%\text{RH}$

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

400-600 lbs. depending on size of chamber

Dimensions (full drawing set for each size available on request)

Size (Inches)

Size	Chambers			
	<u>6 cu.ft.</u>	<u>10 cu.ft.</u>	<u>30 cu.ft.</u>	<u>40 cu.ft.</u>
Exterior				
Height	41	54	83	78
Width	30	30	41	52
Depth	32	32	32	35
Interior				
Height	18	30	56	49
Width	24	24	28	44
Depth	24	24	32	32

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