

PARAMETER GENERATION & CONTROL

PRECISE HUMIDITY CONTROL SYSTEMS

7000 Series Chambers

AN UNSURPASSED RH CONTROL OF $\pm 0.5\%$

The PGC 7000 series chambers feature our unique humidity control system that enables the user to attain unsurpassed levels of RH/temperature control and uniformity.

These test chambers are designed to accurately produce those temperature and humidity conditions required for applications such as stability studies, package testing, TAPPI, MIL-SPEC, and vapor transmission.

Applications are found in such diverse industries as pharmaceutical development and manufacturing, electronic components, food, semiconductor, paper and pulp, and wherever precise humidity and temperature replications are required.

Additionally, PGC'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 also features 40-segment programming for automatic cycling and ramping and soaking excursions. High-low or deviation alarms as well as digital communications ports are standard features.

The interior chamber is constructed of very durable, corrosion resistant stainless steel. Low watt density heaters are used that also contribute to the unit's longer life.

Should your application require it, the chamber airflow can be factory configured from the standard horizontal flow to vertical. Other options include extended ranges, chart recorders, a window in the outer door, and a clear inner door with optional iris opening. System includes free logging software.

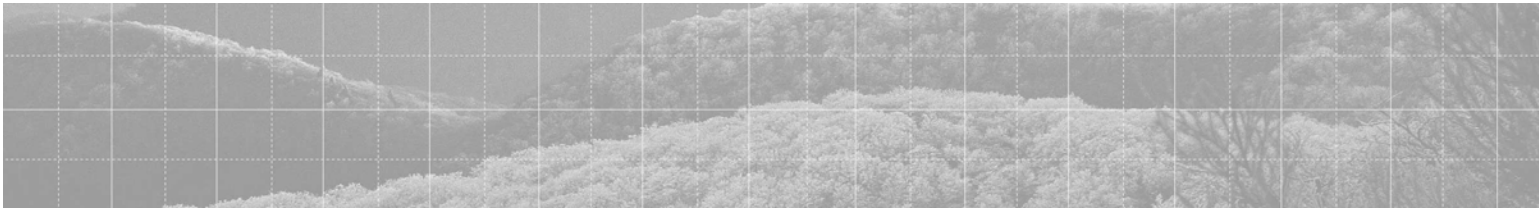
Lastly, all PGC equipment is exhaustively tested at your specified condition before being shipped to ensure trouble-free operation.



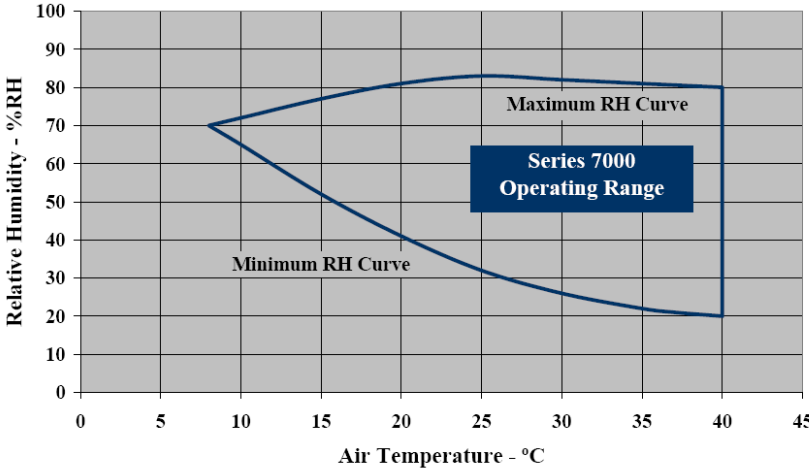
30 cubic foot model (series 7304)

EXTREMELY PRECISE CONTROL
LOW ENERGY REQUIREMENTS
LOW MAINTENANCE

RH VARIABLES	PGC, INC.	COMPETITION
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	$\pm 1.0\%$	$\pm 2.0\%$



System Range



SPECIFICATIONS

SERIES 7000

Relative Humidity Range: 22 to 83% (limited by a 5°C dew point)

Relative Humidity Constancy: ±0.5%

Relative Humidity Uniformity: ±1.0% at 25°/60%

Temperature Range: 8 to 40°C

Temperature Constancy: ±0.2C

Temperature Uniformity: ±0.2C

UTILITIES

115v, 12 FLA, 1 phase, 60 Hz

220v, 8 FLA, 1 phase, 50 Hz

Refrigeration Unit: Fractional HP utilizing non-ozone depleting gas

Maximum heat of rejection: 4,200 BTU per hour

WEIGHT

6 cubic foot: 220 lbs

10 cubic foot: 390 lbs

30 cubic foot: 400 lbs

SHIPPING WEIGHT

6 cubic foot: 280 lbs

10 cubic foot: 450 lbs

30 cubic foot: 500 lbs

FEATURES

RH control constancy of ±0.5%

Temperature control constancy of ±0.2°C

Various safety cut-offs

316 stainless interior chamber

User-friendly digital Controller with logging software

BENEFITS

Extremely stable and uniform environment

Maintains superior constancy and uniformity

Security and safety

Equipment longevity; corrosion resistant

Ease of operation

Chamber Models and Sizes

Size	7064 6 cu.ft.	7104 10 cu.ft.	7304 30 cu.ft.
Exterior (inches)			
Height	41	54	83
Width	30	30	41
Depth	32	32	32
Interior (inches)			
Height	18	30	56
Width	24	24	28
Depth	24	24	32



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