

PARAMETER GENERATION & CONTROL

PRECISE HUMIDITY CONTROL SYSTEMS

Humidity / Temperature Conditioners



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

Parameter Generation and Control (PGC) manufactures Relative Humidity / Temperature conditioners for rooms provided by PGC and existing rooms or enclosures. These systems are designed to provide precise temperature and humidity control.

PGC conditioners provide:

- **Extremely precise control** and uniformity within the room or chamber to allow customers to easily maintain their specified conditions.
- A unique dew point control system utilizes **much less energy** than other stability control systems.
- Self-contained conditioners allow easy **installation** on-site anywhere in the world.
- **On-site** start-up is available.
- PC based **monitoring** systems that are standard with each unit. System monitors temperature, relative humidity, saturator, and mechanical outputs.
- Easy temperature / relative humidity **Calibrations** and simple **Preventative Maintenance** schedules.
- **User Friendly controls** (PGC's SmartPad) that allow for either steady state conditioning or programmable cycling of conditions.

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	$\pm 1.0\%$	$\pm 2.0\%$

PGC Relative Humidity and Temperature Conditioners

Series Number	CFM Range	Maximum Enclosure Size*	Max. Room Size* 8-foot Ceiling (2.5 meter Ceiling)	Conditioner Dimensions Inches (cm)
9300 Series				
9310	100-200	350 cu.ft. (10 cubic meters)	6' x 7' (1.8m x 2.1m)	30w x 30d x 20h (76w x 76d x 51h)
9320	250-400	1,000 cu.ft. (28 cubic meters)	10' x 12' (3m x 3.7m)	30w x 34d x 24h (76w x 86d x 61h)
9340	400-700	1440 cu.ft. (40 cubic meters)	12' x 15' (3.7m x 4.6m)	65"w x 45"d x 37"h (165w x 114d x 94h)
9350	500-1000	2,150 cu.ft. (60 cubic meters)	15' x 18' (4.6m x 5.5m)	58"w x 43"d x 42"h (144w x 109d x 107h)
9380	800-1200	2800 cu.ft. (80 cubic meters)	16' x 22' (4.9m x 6.7m)	80"w x 49"d x 43"h (203w x 125d x 109h)
9330	1500-2000	4800 cu.ft. (136 cubic meters)	20' x 30' (6m x 9.1m)	80"w x 49"d x 43"h (203w x 125d x 109h)
9200 Series				
9240	400-700	1440 cu.ft. (40 cubic meters)	12' x 15' (3.7m x 4.6m)	32"w x 40"d x 81"h (81w x 102d x 206h)
9280	800-1200	2800 cu.ft. (80 cubic meters)	16' x 22' (4.9m x 6.7m)	72"w x 40"d x 81"h (182w x 102d x 206h)
9230	1500-3000	6800 cu.ft. (193 cubic meters)	20' x 40' (6m x 12m)	72"w x 40"d x 81"h (182w x 102d x 206h)
9250	3500-5000	12,000 cu.ft. (340 cubic meters)	30' x 50' (9.1m x 15m)	62"w x 52"d x 105"h (158w x 132d x 267h)
9270	5000-7000	16,800 cu.ft. (475 cubic meters)	35' x 60' (10.7m x 18.2m)	62"w x 52"d x 105"h (158w x 132d x 267h)
(2) 9250s	7000-10000	24,000 cu.ft. (680 cubic meters)	40' x 75' (12.2m x 22.9m)	(2) 62"w x 52"d x 105"h (158w x 132d x 267h)

* Note: Maximum size may vary depending on internal heat load, set points, ambient conditions, and make-up air requirements.

Systems are available in multiple electrical and refrigeration configurations