



## AG & TOBACCO ROOMS / WALK- INS

### TESTING ROOMS FOR AGRICULTURE AND TOBACCO COMPANIES

Parameter designs and manufactures the ideal rooms for testing products in the agriculture and tobacco industries. Our conditioning systems and custom configurations offer both precise control and multiple monitoring options for industries where new standards and regulations are coming into play.

Whether its testing of raw product, filters, processing equipment or finished product, Parameter's experience in regulated industries makes us the perfect resource for rooms that will meet your strict temperature and humidity needs. Application of Parameter equipment for agriculture and tobacco includes smoking machines and rooms for tobacco sample conditioning.

### CUSTOM DESIGN

Parameter designs and manufactures rooms in our North Carolina facility to operate at the specific requirements and exact sizes you've specified. To insure product integrity, Parameter assembles and thoroughly tests all systems prior to shipment and provides complete installation and on-site start-up instruction anywhere in the world. Parameter is fully capable of upgrading any brand of existing rooms. Due to the flexibility of the Parameter conditioning systems we can also condition your existing rooms.

### Specifications

#### AG & TOBACCO ROOMS

Relative Humidity Range: 10 to 90%  
(limited by a 5°C dewpoint)  
Relative Humidity Constancy: +0.5%  
Relative Humidity Uniformity: +0.5% at  
25°/60%

Temperature Range: -30 to 60°C  
Temperature Constancy: +0.1°C  
Temperature Uniformity: +0.5°C at  
25°/60%

#### OPTIONAL FEATURES

Stainless steel room construction  
Dessicant dryer  
HEPA-filtered air supply  
Filtered return air grills



Rooms are built using modular insulated panels with either a 32 R-value (four inch) or a 40 R-value (five inch) to maximize efficiencies and uniformity. We can provide options for stainless steel construction, dryers, and air and water filters if needed.

**WE OFFER A COMPLETE PACKAGE:**

- We **manufacture** your room or chamber to operate at you specific requirement at the exact size you need. Systems can automatically cycle conditions for running profiles.
- Complete **installation** on site anywhere in the world.
- **On-site** start-up instruction.
- PC based **monitoring** systems comes standard with each unit. System monitors temperature, relative humidity, saturator, and mechanical outputs.
- **Calibration** and **PM** contracts.

RH VARIABLES	OURS	THEIRS
TOTAL	± 2.5%	± 6.0%
CONTROL CONSTANCY	± 0.5%	± 2.0%
CHAMBER UNIFORMITY	± 1.0%	± 2.0%
SENSOR ACCURACY	± 1.0%	± 2.0%

Extremely Precise Control  
Low Energy Requirements  
Low Maintenance

**Benefits**

- Unsurpassed humidity performance
- Superb temperature stability
- Flexibility of operation
- Increased measurement options
- Ease of assembly
- Assurance of proper operation

**Features**

- RH uniformity to ±0.5%
- Temperature uniformity to ±0.5°C
- Multi-range rooms from -30°C to +60°C
- Humidity ranges from 10% to 90% RH
- Modular insulated panels
- Rooms factory-tested prior to shipment

**SmartPad Microprocessor**

Parameter’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 features 60-segment programming for automatic cycling and ramping and soaking excursions. High-low or deviation alarms and digital communications ports are standard features.

**All Parameter equipment is exhaustively tested at your specified condition prior to shipping to ensure trouble-free operation.**