



PACKAGING ROOMS / WALK-INS

ON-SITE TAPPI ROOMS AND CONDITIONING SYSTEMS

Parameter manufactures custom walk-in rooms for the packaging, pulp and paper industries that comply with ICH, ASTM and TAPPI standards. Each room is built to your exact specifications and our systems provide the precise temperature and humidity control required by both TAPPI T402 om-88 and preconditioning specification, TAPPI T 402. The system can automatically cycle between the two conditions.

Common conditions for our rooms are:

- 23° C / 50% (Main TAPPI Spec.)
- 35° C / 30% (TAPPI pre-conditioning)
- 32° C / 90%
- 5° C / 85%

TAPPI Tolerance is $\pm 0.5^{\circ}\text{C}$ and $\pm 2\%$ RH

Parameter is a leading global provider of environmental control rooms and chambers for the packaging, pulp and paper industries. We understand the importance of quality control in developing consumer products. As your single-source provider of planning, designing, building, testing, installation and long-term maintenance and validation, we are here to help maximize your control.

Specifications

PACKAGING ROOMS

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

Temperature Range: -30 to 60°C
Temperature Constancy: +0.1°C
Temperature Uniformity: +0.5°C

OPTIONAL FEATURES

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



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.

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.