

Specialty Environment Rooms

Tescor designs and manufactures environmental rooms to meet not just your temperature and humidity requirements, but also your specific application specifications. With a proven track record of building laminar airflow, hyperbaric, hypoxic, anechoic, weather simulation and clean rooms, Tescor is the partner you need to ensure your specific environment conditions and airflow requirements are met.

Key Benefits:

- Steady or variable state temp and RH
- Custom transition rates available
- Laminar airflow directions – top to bottom, bottom to top, side to side
- ISO 14644-1 compliant filtering available
- Hypoxic altitude simulation up to 12,000 feet
- Low noise/anechoic construction available
- A number of interior and exterior finishes are available
- Full suite of controls, data acquisition, test automation, and interfaces available
- Wind, rain, and solar radiation simulation available

Applications and Test Types:

- Refrigerator and freezer testing
- Ramp/soak temperature and humidity testing
- Human performance testing
- Apparel testing
- Clean environment work
- Sound level testing
- Building material and wall leakage testing
- Weather and environmental simulation

Specifications:

Temperature Control Stability	As low as $\pm 0.2^{\circ}\text{C}$
Temperature Uniformity	As low as $\pm 0.5^{\circ}\text{C}$
Air Velocity	>40 FPM (0.2 m/s)
Velocity Uniformity	+/- 10%
Sound Level	Custom on request
Temperature Range	Custom on request

