

ThermaSure Chambers from CustomVault

Our walk-in cold rooms offer reliable, efficient environmental controls for a variety of pharmaceutical applications. They are typically supplied with desiccant or refrigeration based dehumidification in order to maintain a low dew-point and prevent ice accumulation on both product and equipment surfaces. Typical temperatures for our cold rooms range from 0° C to 10° C.

COLD ROOMS



BENEFITS

- Tight temperature control for reliability and accuracy
- Temperature uniformity of $\pm 0.5^{\circ}$ C or better throughout the room.
- Flexible custom applications to accommodate space constraints.
- Precision Fluid Temperature Control Unit cooling system with a combination of refrigerant technologies and glycol/ water heat exchange technologies.
- Eco-friendly, typically requiring fewer than 1000 Watts to operate.
- Simple, easy-to-use, easy-to-service control systems.
- Oversize evaporator fan coil eliminates the need for a defrost at 4° C or more.

- Smooth ceiling (aluminum or steel) for optimal cleaning, airflow and mold prevention.
- LED lights for more light, less radiant heat, and reduced energy consumption.

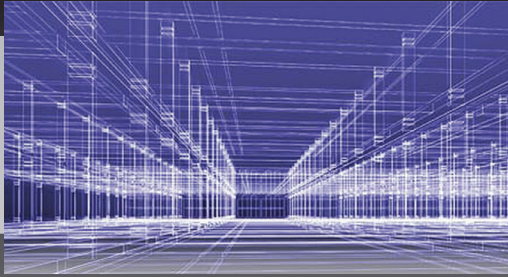
STANDARD FEATURES

- 4" to 6" Polyurethane Foam Insulated Panels, R-Value 31+ or Higher
- Embossed White Aluminum Interior Surface Finish
- Embossed White Galvanized Steel Exterior Surface Finish
- Exceptional Temperature Uniformity
- Temperature Control At Sensor / Set-Point: $\pm 0.2^{\circ}$ C
- High / Low Alarms
- Complies With LEED Standards
- Non-Proprietary Controls
- Corrosive Resistant Equipment
- Diurnal Cycling Temperature

All ThermaSure Chambers from CustomVault are covered by warranty. Products are complemented by access to services including calibrations, validations and qualifications.

OPTIONAL FEATURES

- Added Dehumidification and/or Ultrasonic Humidification
- Extended Temperature And Humidity Ranges
- Stainless Steel / Special Surfaces
- Ethernet / Remote Monitoring / Alarming
- Added Redundancy in Controls and/or Conditioning System
- Data Logging
- High Weight Capacity Flooring
- Calibration / Validation / Maintenance Services
- Water or Air Cooled Condensers



ThermaSure Chambers from CustomVault

Our Freezer Rooms are designed for maximum reliability, efficiency, and stability. Standard freezers will accommodate a -20°C set-point with a control tolerance $\pm 0.5^{\circ}\text{C}$, or better. Many are custom-engineered for a wide variety of applications. Freezer rooms are typically supplied with desiccant or refrigeration-based dehumidification in order to maintain a low dew-point and prevent ice accumulation on both product and equipment surfaces.

FREEZER ROOMS



BENEFITS

- Tight temperature control for reliability and accuracy.
- Tight temperature uniformity of $\pm 0.5^{\circ}\text{C}$ or better throughout the room.
- Flexible custom applications to accommodate space constraints.
- Redundancy options that allow uninterrupted operation for critical applications.
- Simple, easy-to-use, easy-to-service control systems.

STANDARD FEATURES

- 4" to 6" Polyurethane Foam Insulated Panels, R-Value 31+ or Higher
- Embossed White Aluminum Interior Surface Finish
- Embossed White Galvanized Steel Exterior Surface Finish
- High / Low Alarms
- Complies With LEED Standards
- Energy Efficient
- Pre-tested, Pre-charged Refrigeration Systems
- Non-Proprietary Controls
- Corrosive Resistant
- Diurnal Cycling Temperature

All ThermaSure Chambers from CustomVault are covered by warranty. Products are complemented by access to services including calibrations, validations and qualifications.

OPTIONAL FEATURES

- Added Dehumidification
- Ethernet / Remote Monitoring / Alarming
- Stainless Steel / Special Surfaces
- Added Redundancy in Controls and/or Conditioning system
- Data Logging
- High Density Shelving
- High Weight Capacity Flooring
- Calibration / Validation / Maintenance Services
- Water or Air Cooled Condensers