



Low RH Rooms

Our low RH rooms are designed and constructed to support applications at temperatures from +4°C to +20°C and can help you achieve and maintain RH levels of 10% to 35%, with ZERO dust particles and contaminants.

STANDARD FEATURES

- Modular metal skinned panels with urethane insulated tongue and groove construction for chamber enclosure
- “Cam-locking” construction with vinyl gasketed seams fitted on the interior and exterior of each panel to provide moisture and vapor-tight seal
- Optional airlock, air curtain to minimize moisture migration into the low RH room
- Aluminum or stainless steel housings of air handlers and unit coolers for efficient air delivery of DX and chilled water evaporator coils
- Totally accessible hinged drain pan for maintenance and cleaning of all interior plenum components from within the space
- ECM fan motors for energy efficiency
- Semi-hermetic compressors continually operating for extended equipment life and increased temperature & humidity control and uniformity
- Air-cooled or water-cooled condensing units
- Third party listings (UL, MET Labs) of all major sub-components, including wall panel systems, desiccant dehumidifier systems, refrigeration systems, ceiling systems, control panels, electrical panels, and light fixtures
- Uniform horizontal and vertical air distribution through a lay-in ceiling air distribution system with anodized aluminum support
- Fully accessible control panel to efficiently and securely house all controls, alarms, recording devices and communication networks
- Personnel Emergency Alarm (PEA) in all freezers
- Man-In-Box Alarm in all freezers
- QA/QC Bench Testing of complete control panel and electrical devices prior to shipment
- Control Panel certification built to MET, UL 508A
- Conformance to FDA 21 CFR11 requirements for data recording, audit trails of controller settings modification, alarm history logs, operator event logs and secure file transfers
- Touchscreen system control of chamber parameters with 0.1°C resolution for temperature and 0.1% resolution for RH

**Infinitely
Precise.
Ultimately
Reliable.**

STANDARD FEATURES

- Electrical wiring to National Electric Code (NEC)
- Vapor proof LED, fluorescent, incandescent, or high-bay light fixtures
- Factory leak testing of all refrigeration assemblies prior to shipment
- Factory leak testing standards: Helium mass spectrometer to 1E-5, Nitrogen leak testing unit coolers to 300 pounds, condensing units to 175 pounds, evacuations minimum 200 microns.

