

Series 1000 & 2000

Desiccant Dehumidifiers

From 150 to 12,000 scfm



Series 1000

The DESICAiR® Series 1000 & 2000 models are industrial duty, silica gel desiccant dehumidifiers. Engineered to operate under severe operating conditions, the DESICAiR® Series 1000 & 2000 uses the most advanced desiccant technology available to remove moisture directly from the air.

DESICAiR® units utilize a desiccant rotor which contains silica gel “in situation” formed on the substrate. This results in very high desiccant loading which provides efficient moisture removal.

Humidity can be reduced to levels well below that which is achievable with a conventional refrigerant based dehumidification system. Maintenance issues associated with granular bed or liquid desiccant systems are avoided. Each dehumidifier is complete with all



Series 2000

the necessary blowers, controls, filters and drive components to assure the safe and automatic operation of the unit.

DESICAiR® Series 1000 & 2000 dehumidifiers are suitable for a multitude of applications where precision space or process humidity control is required.

- Warehouse & Storage Facilities
- Museums
- Film Storage
- Document Archives
- Military Equipment Preservation
- Laboratories & Clean Rooms
- Food Processing
- Pneumatic Conveying & Bulk Storage Silos
- Water Treatment Plants & Pumping Stations
- Corrosion & Condensation Prevention
- Mold/Mildew Prevention
- Electronics Storage

Series 1000 & 2000

Series 1000 - 150 to 600 scfm

- Versatility: space or process conditioning
- Portable units available
- Flexibility: a range of options to meet your needs
- Range of sizes: 150-600 CFM
- Code conformance: standard units NRTL Cert. to UL 1995 standards
- Internally isolated air paths
- Solid state control of electric reactivation heaters
- Wide selection of system control methods
- Industrial control panel UL508A listed
- Round or square duct connections
- LED status indicator lights



Series 2000 - 750 to 12,000 scfm



- Range of options to meet your needs:
 - Electric, gas or steam reactivation
 - Round or square duct connections
 - LED status indicator lights
 - Remote unit starting/monitoring
 - Left & right hand unit configurations
 - Insulated cabinets
- NRTL Cert. to UL 1995 Stds on electric & steam units, optional on gas units
- Industrial control panel UL508A listed
- Optional blower configurations
- Convenient service access to all operating components
- Hinged cabinet access doors
- Standard cabinet manufactured for outdoor installation
- Insulated reactivation heater sections
- Dual-double lipped, continuous, high temperature, silicone rotor seals

Outstanding Advantages: Series 1000 & 2000 Models

- Heavy duty, light weight, corrosion resistant, aluminum cabinet construction
- Externally mounted NEMA rated electrical enclosure
- Solid state controls: Precision humidity management with unrivaled, user friendly controls
- Convenient service access to all operating components
- TEFC blower motors standard
- Standard cabinet manufactured for outdoor Installation
- Bearing mounted rotor (no plastic rollers)
- Single point power connection
- Rotary style desiccant rotor for long life, maximum performance, and minimal maintenance
- Maintenance free rotor drive motor
- Comprehensive warranty: 5 year rotor, 24 months parts

Represented By: Ross & Pethtel
Phone: 225-273-2202 www.rosspethel.com