



ARID-Dry®
**Corrosion Protection for Industrial Storage
and Surface Coatings**
Mobile Desiccant Dehumidifiers
Temporary Humidity Control Equipment

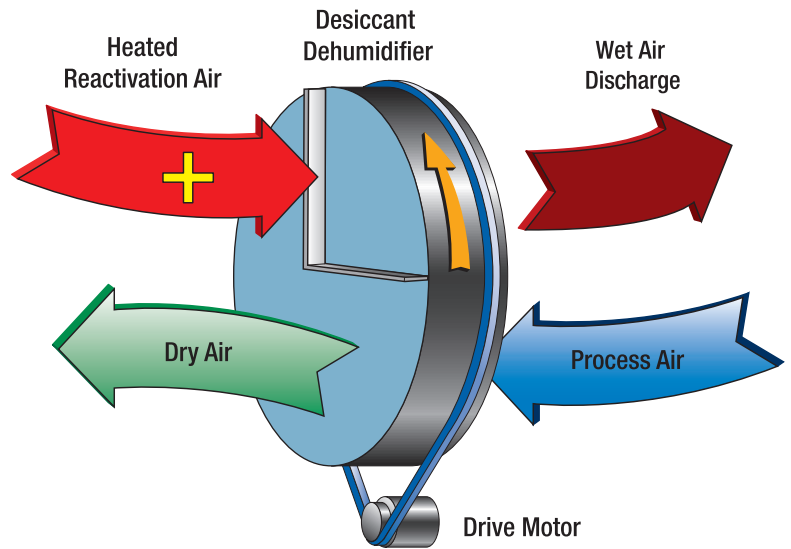
INTRODUCING CDI

Climate by Design International (CDI) is a flexible engineering and manufacturing company building large-capacity desiccant dehumidification systems for a wide variety of industrial and commercial applications.

The ARID-Dry® mobile product is comprised of large-capacity desiccant dehumidifiers to remove ambient water vapor from air. Large-capacity desiccant dehumidification units are used in a variety of industries, including water damage and remediation, document drying, industrial surface preparation for coating, mold and fungus prevention, long-term lay-up of industrial equipment, and industrial condensation prevention. We have the capability to incorporate many additions to provide complete solutions for the temporary humidity control market.

Special attention is paid to construction details to provide a resilient unit capable of meeting the demands of the rental and temporary humidity control market. The units incorporate state-of-the-art features to maintain peak efficiency. Our wide variety of sizes can be applied from the smallest residential project to the largest commercial industrial project.

Our goal is to maintain the highest ethical standards and professionalism in order to best satisfy our customers.



Desiccant Dehumidification

A simple solution to an old problem. Solid desiccant rotor adsorbs moisture from process air. Heat is used to “reactivate” the desiccant.

Why Use ARID-Dry® Desiccant Technology?

- **Very dry air can be achieved.**
- **Better thermodynamic efficiency:** Achieved because no change of phase (condensation) is necessary.
- **Simple construction:** Basic dehumidifier includes only two fans, a heater and the desiccant rotor assembly.
- **Simple maintenance:** Simply replace filters regularly and performance is assured. A yearly inspection by our service technicians is recommended to head off unscheduled outages.
- **Better Construction:** Double-wall insulated casing suitable for indoor or outdoor mounting. The MS 2400/2000 and MS 5000/4000 have stainless steel single wall weatherproof construction.
- **Modern Controls:** CDI includes standard intelligent microprocessor controllers with “Fail-Capable” mode.

Better Humidity Control Through ARID-Dry® Design

- **More Sizes:** Units range from 2000 to 18000 CFM.
- **More Flexibility:** Total system integration is available including heating, cooling, enthalpy recovery, and special filtration. Even custom configurations are available to meet unique project requirements.
- **More Support:** Application engineering assistance, start-up and owner training, and preventative maintenance programs offered by CDI.



Climate by Design International (CDI), **ARID-Dry** mobile desiccant dehumidifiers provide temporary humidity control for painting and coating, surface preparation and industrial condensation prevention.

When drying interior spaces, humidity control is crucial. An ARID-Dry mobile dehumidifier increases your productivity and profitability. The advantages of using large capacity mobile dehumidifiers with your projects are many. You can get more consistent drying cycles, faster and more consistent drying times. It's also the most effective system on the market, outperforming refrigeration and convection-style heat-drying methods.

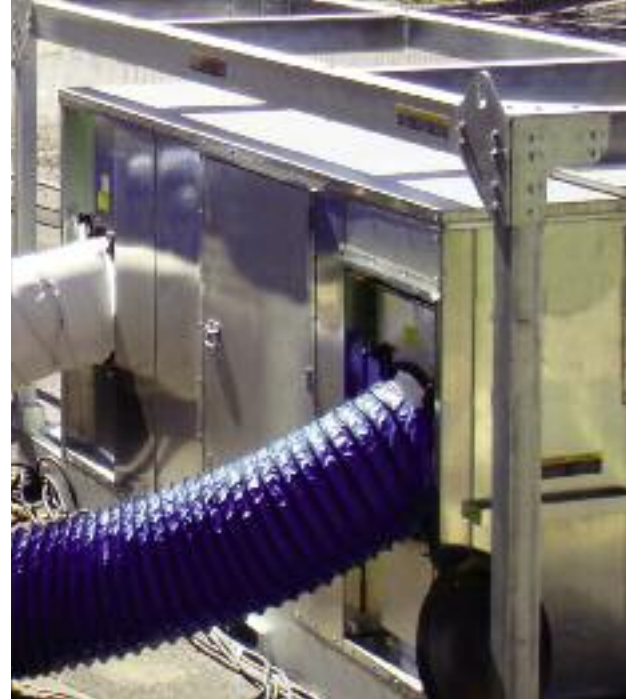
ARID-Dry units are the leading solutions available for quickly and efficiently removing ambient water vapor from air. Useful in surface preparation, painting and coating and industrial condensation prevention, ARID-Dry is the best-in-class dryer available.

Industrial Condensation Prevention

Many industrial companies use chilled water to remove heat from various processes. As the air or process is cooled below the ambient dewpoint, condensation can occur. Temporary or permanent desiccant dehumidifiers can eliminate the condensation. Often, this results in a higher quality part or reduced cycle time, allowing parts to be produced faster.

Utility Boiler Long-Term Storage

If a utility or industrial boiler or generator is idled for long periods of time, corrosion can result. Corrosion is caused when elevated ambient dewpoint air contacts the metal surfaces. Temporary or permanent desiccant dehumidifiers can reduce the ambient dewpoint, which prevents corrosion. Large boiler/generators and ancillary components can be protected for long periods by providing dry air blankets to protect equipment.



A MS-6000/5000 pulls moisture from ambient air.



MS-18000/15000



F-15 Eagle and maintenance crew.

Photo courtesy of U.S. Air Force.

ARID-Dry DEHUMIDIFIERS FOR TEMPORARY HUMIDITY CONTROL



Painting and Surface Coatings

Many applications for painting coatings require low humidity to ensure industrial coatings can bond properly to surfaces. Ambient dewpoints can cause condensation on cool, large metal surfaces. Temporary dehumidification can eliminate the potential for condensation, allowing SPC contractors to blast and paint during the most extreme conditions.

CDI builds the largest-capacity mobile dehumidifier available. Systems utilize natural gas, propane, or electric reactivation.

ARID-Dry is more thermodynamically efficient because there's no change-of-phase necessary. It's simple design makes it highly reliable, while our superior construction makes the system dependable day-in and day-out in the most demanding environments. Our intelligent microprocessor even makes using ARID-Dry equipment easy to monitor!



MS 6000/5000

ARID-Dry MOBILE PRODUCTS

CDI is the largest mobile dehumidifier systems manufacturer in North America. Our equipment is offered by the largest heavy equipment renters in the United States.

Choose from an extensive line of dehumidifiers for jobs of all sizes, with lots of options and world-class support to make sure you're on the right track.

To increase profits and build your business, you need the best.
You need ARID-Dry.



Mobile Line Up



Caster-Mounted MS-2400/2000



MS 5000/4000



MS-6000/5000



MS 18000/15000



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