



INNOVATIVE AIR TECHNOLOGIES

Innovative Air Technologies

was founded in 2001 as a manufacturer of low-humidity desiccant dehumidifiers.

Desiccant dehumidification technology has a successful track record over more than 60 years in solving some of the most complex moisture and temperature control challenges. From missile engine testing to food processing to healthcare environments, if you need a dehumidification system, we can build it.

? WHAT IS A DESICCANT?

A desiccant is anything that has a high affinity for water.

That stuff that comes in your jacket pocket or in your electronic packaging? That's silica gel. One of the best desiccants on the planet. We utilize silica gel in our equipment; it's the driving force behind our technology. That and our good looks.



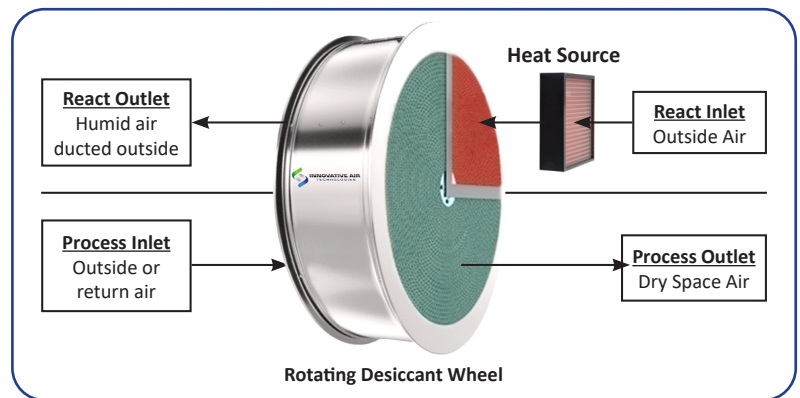
How do our products work?

Our equipment removes moisture from the air by means of a desiccant. This desiccant media is comprised of silica gel-infused corrugated fiberglass, then wound into a wheel, called the rotor.

The rotor is divided into two sectioned air streams: *process* and *reactivation*.

When the process air stream passes through the rotor, the moisture in that air stream is adsorbed by the rotor, leaving the dried air to be sent to the designated space.

The moisture from the processed air now needs to be removed from the rotor to continue the dehumidification process. The reactivation air stream provides this task.



Reactivation air is heated to 225°F - 285°F and passes over the rotor, setting free the bound water. This extremely humid air is ducted outside.

? WHO NEEDS A DESICCANT DEHUMIDIFIER?

Any application that requires dew point temperatures at or below ??.
More information here.

- Corrosion prevention
- Condensation prevention
- Mold/fungus prevention
- Moisture regain prevention
- Product drying
- Dry cooling
- Cold storage
- Healthcare
- Cleanrooms
- Lithium battery
- Aerospace
- Military storage
- Ice rinks
- Plastic injection
- Pharmaceuticals
- Packaging
- Breweries
- *and many more!*

Product Options

COMPACT SERIES

Small Industrial Dehumidifiers
75-600 CFM

- Advanced circuit breaker system
- Compact design
- Open design layout for easy service access
- Stainless steel
- High capacity pleated



ROTOR SERIES

Large Standard Dehumidifiers
600-30,000 CFM

- Customized to customer needs
- Quick access panels
- Dew points as low as -100°F
- Chain drive system
- No fuses, only circuit breakers



IDP SERIES

Integrated Dehumidification Package
50-30,000 CFM

- Advanced integrated control
- Completely customizable
- Streamlined maintenance
- Dew points as low as -100°F
- Comprehensive temperature & humidity management



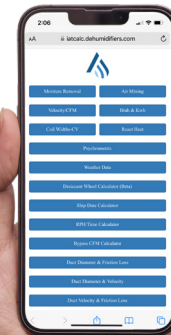
DRYWARE

Need a comprehensive Psychrometric HVAC Calculator?

Calculations Include:

- Psychrometric calculators
- Moisture load calculator
- Air mixing
- Weather data
- Ship date calculators
- Duct sizing
- *and much more!*

Scan the QR Code to download the app.



iControl

iControl has all the information about your desiccant dehumidification system in one convenient place. Whether you need remote access control, touchscreen integration, or data logging, iControl will exceed your PLC expectations.

iControl is customizable for your company's specific control and monitoring needs.