

ICA with RightDry™
Integrated Custom Air Handler
Desiccant Dehumidifier Optimized
for Low-Temperature Reactivation

Features

- Optimized energy efficiency at 20°F to 40°F supply dew point
- Utilize hot water as low as 100°F or low pressure steam
- Double wall design, no-through metal design
- Multiple options for humidity and temperature control

ICA with RightDry™ Integrated Custom Air Handler

Desiccant Dehumidifier with Low-Temperature Reactivation

Munters Integrated Custom Air Handler (ICA) with RightDry provides improved energy efficient operation when your building or manufacturing process needs 20°F to 40°F dew points. By optimizing the rotor design and reactivation circuit, Munters has improved the energy efficiency by 10-15% over standard desiccant dehumidifier systems. Using advanced selection software, you and your Munters sales engineer can create the perfect system for your application.

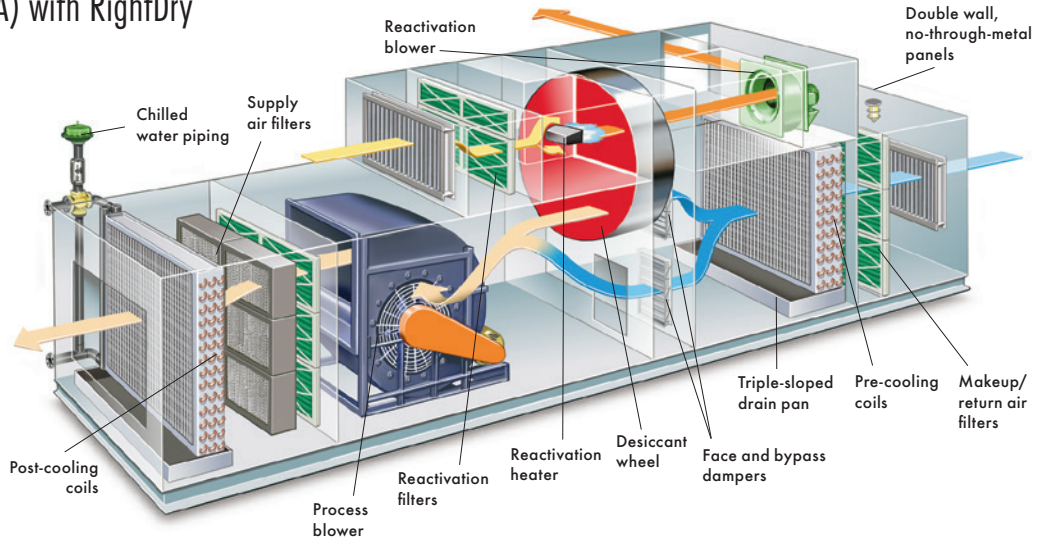
Munters ICA is available in multiple configurations capable of up to 100,000 cfm. This system includes a dehumidifier with options for nine rotor sizes, high performance heating and cooling coils, refrigeration package and supply and return HEPA filters. In addition, the system is NRTL approved to UL standards and is manufactured in an ISO 9001:2008 certified facility. The ability to use hot water, as low as 100°F, or low pressure steam as a regeneration source, allows for tight humidity control using an existing energy source, or recovered from a waste energy source.



ICA Desiccant Dehumidifier with RightDry™

Integrated Custom Air Handler (ICA) with RightDry™

- Double wall, no-through metal design
- Galvalume, aluminum or stainless steel interior and exterior casing
- Steam (<15 psig) or hot water (100°F - 200°F) reactivation
- Merv 8 - Merv 14 and HEPA filters available
- DX, chilled water and ammonia coils available
- Nine rotor sizes available



ICA Advanced Features

Advanced Housing Design

Adaptable construction provides design flexibility, while large, smooth fitting panels create fewer joints, preventing leaks and improving sanitation. Sloped roof eliminates standing rainwater. System can be split to accommodate size constraints.

Double Wall Construction

Surface options of galvalume, textured aluminum, stainless steel or any combination with option of:
 2.5" Thick = R-16
 4.0" Thick = R-25

Superior Panel Joints

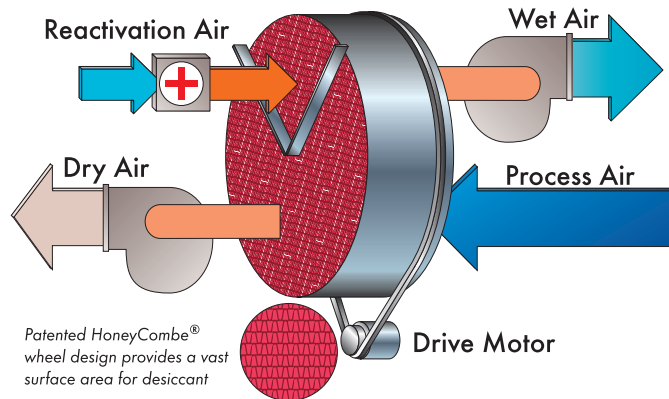
Cam and lock system fits panels tightly, preventing leaks at seams, while strengthening the housing.

Clean-In-Place Design

Smooth surfaces, "seamless panel joints," and triple-sloped self-draining floors allow for thorough and fast interior washdowns.

Access Doors

Munters manufactures its own access doors with triple seals to minimize air leakage. Door design maintains the no-through-metal feature. Available inward and outward swinging or plug design. Door surfaces match the interior and exterior of the system.



In the 1950s, Munters invented modern industrial dehumidification when it introduced the self-regenerating desiccant rotor, the heart of the dehumidifier.

Patented HoneyCombe® wheel design provides a vast surface area for desiccant

Controls

Humidity is controlled with process air face and bypass dampers. Control options for temperature and airflow are available in either electric or pneumatic. Custom control packages are available.

Custom Options

A wide range of custom options are available with the ICA. Including steam, chilled water and refrigerant piping, mounted condensing units, turnkey chiller packages, high pressure fans and many more.

Desiccant Rotor

Munters patented HoneyCombe® rotor is the heart of the system. As the only air handler manufacturer to build its own rotors, Munters has the expertise to match other system componentry with the rotor for maximized performance. The position of the desiccant rotor provides unprecedented accessibility, and "cleanability," while maintaining a small footprint.

By optimizing the rotor design and reactivation circuit, Munters has improved the energy efficiency by 10-15% over standard desiccant dehumidifier systems.

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