

Munters ICA

Integrated custom air handler desiccant dehumidifier

Features

- Energy efficient for 40°F to -40°F dew points
- Highly configurable pre/post air treatment modules
- No-through-metal design
- Full contact rotor seal
- Purge configuration for low dew point conditions



Munters Integrated Custom Air Handler (ICA) simplifies incorporating humidity control into your building or manufacturing process. Now, integrating a desiccant dehumidifier with other air conditioning components has been made easy with a truly state-of-the-art dehumidification system. Using advanced selection software, the ideal system for your application can be designed.

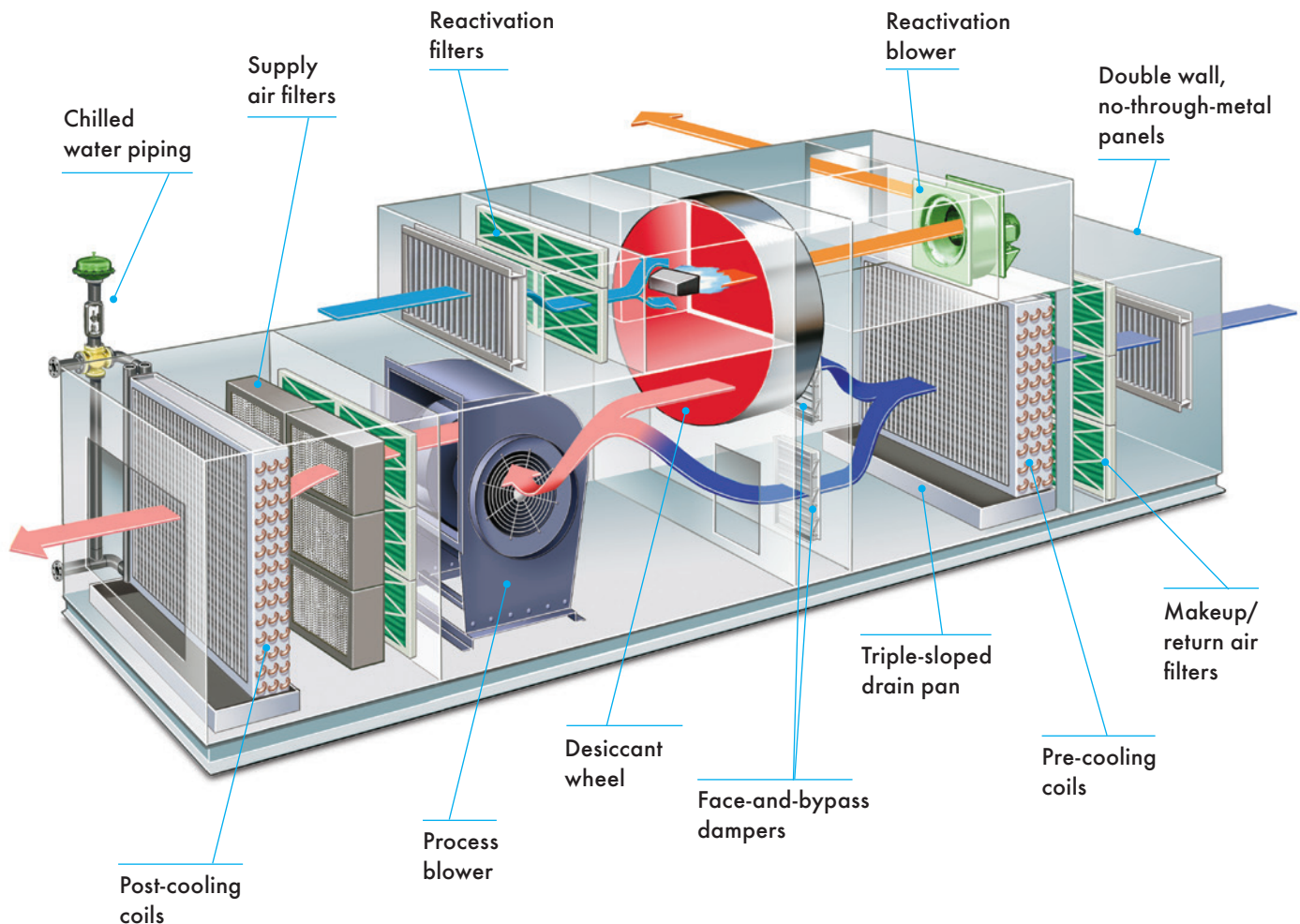
Munters ICA is available in multiple configurations capable through 100,000 cfm and can hold conditions as rigorous as a -40°F dew point with dependability. This system includes a dehumidifier with five desiccant options and eleven rotor sizes, high performance heating and cooling coils, refrigeration package, supply and return HEPA filters and the peace of mind knowing your system is NRTL approved to UL standards and is manufactured in an ISO 9001:2015 certified facility.

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Integrated Custom Air Handler (ICA)

- Five desiccant types available
- High level of configurable pre and post air treatment modules
- DX, chilled water and ammonia coils available
- Steam, electric or gas reactivation
- High pressure fans
- Heat exchanger options
- Turnkey chiller packages



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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" or 4" thick insulation. HFO, a low Global Warming Potential (GWP) blowing agent is used.

Superior panel joints

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

Controls

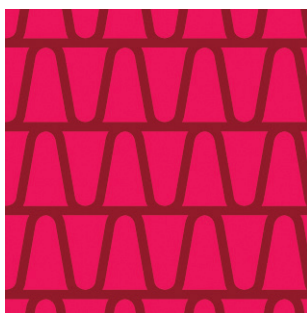
Humidity is controlled with either process air face-and-bypass dampers or reactivation energy modulation for less demanding applications. Control options for temperature and airflow are available in either electric or pneumatic. Custom control packages are available.

Custom options

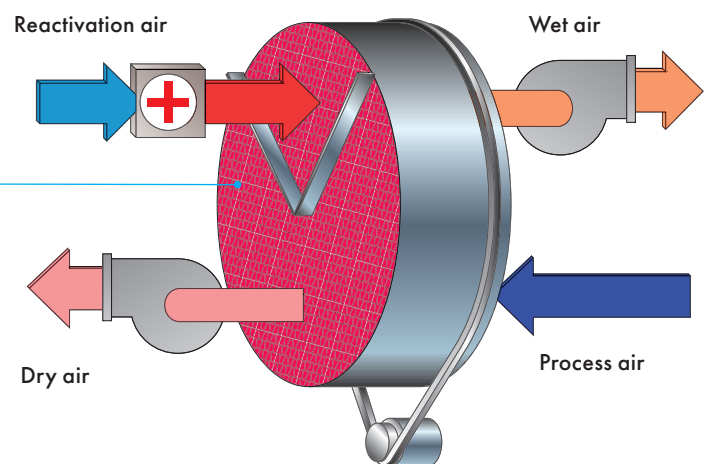
A wide range of custom options are available with the ICA. Including steam, chilled water and refrigerant piping, mounted condensing units, turnkey chiller packages, high pressure fans and many more.

Desiccant rotor

This is the "heart" of the system. No other air handler manufacturer builds its own rotors or has the expertise to match other system components with the rotor for maximized and dependable performance. The position of the desiccant rotor provides unprecedented accessibility, and "cleanability," while maintaining a small footprint.



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



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

Find your nearest Munters office at www.munters.com

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