

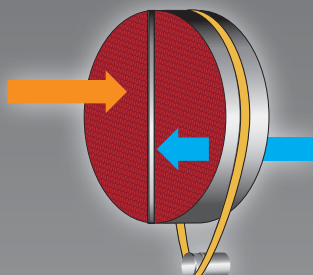


Commercial Product Overview

Munters manufactures a wide variety of dehumidification and energy recovery products to suit different commercial applications. Products range from stand-alone dryers and energy recovery units to fully integrated systems complete with cooling coils, packaged dx cooling, heating and more. Additional information regarding all Munters products can be found at www.munters.us.

Dehumidification

Desiccant Products

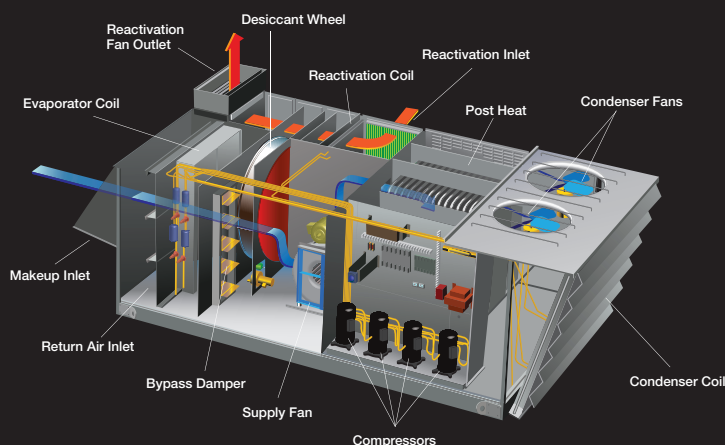


Munters HoneyCombe desiccant wheel, invented by Carl Munters in the 1950s, is the core product in all Munters desiccant dehumidifiers. Munters DDS products are a traditional heat reactivated desiccant unit, utilizing high temperature heat in the form of direct fired gas, steam, high temperature hot water or electric to reactivate the wheel for low dewpoint applications.

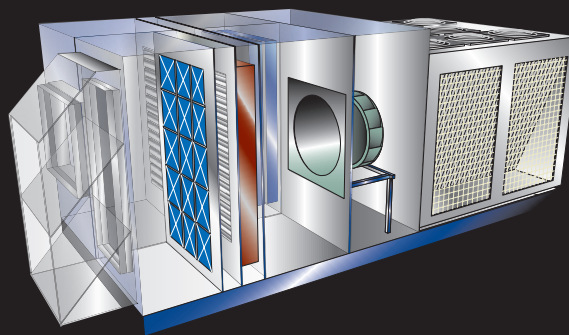
DryCool products, previously referred to as HCU, utilize direct expansion condenser heat to reactivate the desiccant wheel while the evaporator provides cooling prior to the desiccant process. Designed to provide 100% makeup air at space neutral temperature and below space humidity.

Wringer Products

Energy recovery and dehumidification are the key ingredients to this product family. A cooling coil is used to provide dehumidification with heat exchangers providing energy recovery for free cooling prior to the cooling coil and free rehear after the cooling coil. Configurations are available with or without exhaust recovery.



- **DryCool Mini** – 200 cfm unit in small package
- **DryCool Split System** – 1,000 to 2,200 cfm unit in a vertical configuration with optional electric heat
- **DryCool Standard System** – 1,000 to 16,000 cfm available as a packaged or split air cooled system, water cooled and chilled water and heating options.
- **DryCool ERV** – 1,000 to 16,000 cfm unit with enthalpy recovery in addition to the desiccant dehumidification process. Post cooling and heating options available.
- **DryCool Pool** – 1,000 to 8,000 cfm unit designed specifically for the indoor pool environment. Includes exhaust fan and heating options.
- **FreeDry** – 1,000 to 16,000 cfm unit for low dew point applications, such as ice rinks, offering cooling and heating optional modes
- **Desiccant DDS Product** – 1,500 to 100,000 cfm unit with dehumidification capacities of up to 1,500 lb/hr. Pre-Engineered modules and customization options create flexible system designs and configurations.

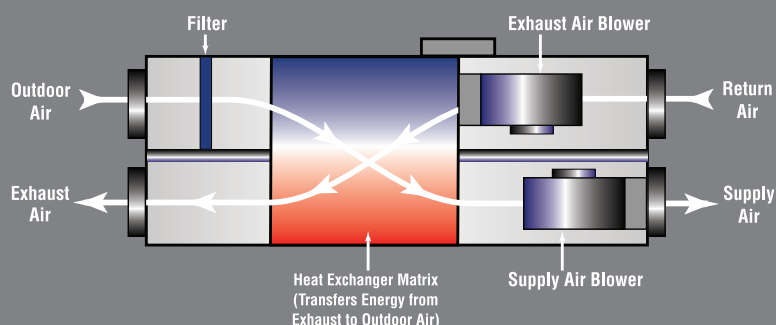
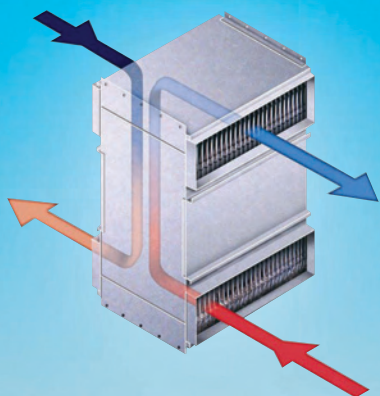


- **Wringer** – 800 to 11,000 cfm unit with options for packaged dx, electric, hot water, and indirect fired gas heating
- **Wringer Custom** – Up to 100,000 cfm and virtually any option and configuration available
- **Wringer Pool** – Up to 100,000 cfm unit designed specifically for the indoor pool environment. Virtually any option and configuration available.

Energy Recovery

Energy Recovery Products

Exhaust recovery ventilation utilizes energy from the exhaust air stream to precondition the outside air being introduced into the building. In the winter it provides free heating and in the summer free cooling.

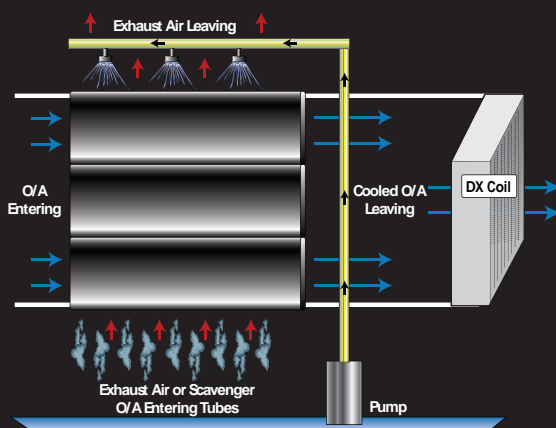


- **Micro Z** – 600 to 5,500 cfm unit with sensible counterflow heat recovery. Cooling, electric and hot water heating are available options.
- **MZP** – 4,500 to 20,000 cfm unit with sensible counterflow heater recovery. Cooling, electric, indirect fired gas and hot water heating options available.
- **X-Pack** – 600 to 26,600 cfm unit with sensible crossflow heat recovery. Cooling, electric, indirect fired gas and hot water heating options available.
- **E-Z-Aire** – 700 to 4,400 cfm unit with sensible counterflow heat recovery
- **Complevent** – 1,000 to 11,000 cfm unit with enthalpy wheel heat recovery. Cooling, including packaged dx, electric, and hot water heating are available options.
- **MOACS** – 800 to 11,000 cfm enthalpy wheel heat recovery. Cooling, including packaged dx, electric, indirect fired gas, and hot water heating are available options.
- **Ventilation Pool** - Up to 100,000 cfm unit designed specifically for the indoor pool environment utilizing outside air to provide the majority of the dehumidification requirement. Virtually any option and configuration available
- **Custom ERV** - Up to 100,000 cfm. Virtually any option and configuration available.

Indirect Evaporative Cooling

Oasis Product

Direct evaporative cooling, indirect evaporative cooling or the combination of both is available in the Oasis product. In dry climates this allows for part or all of the cooling requirements of the building to be met without refrigeration based cooling. Direct evaporative cooling utilizes Munters CELdek and GLASdek evaporative pad. Indirect evaporative cooling utilizes heat pipes or the EPX polymer heat exchanger. Units are available up to 100,000 cfm with virtually any option and configuration available. Cooling, including packaged dx, is available. Efficiencies as high as 100 EER have been achieved.



Munters is the world leader in humidity control and energy efficient air conditioning with services and products for dehumidification, energy recovery, humidification, and water and fire damage restoration. Customers are served in a wide range of markets, the most important being insurance, utilities, food, pharmaceutical, electronics, and education. Manufacturing and sales are carried out via the Group's own companies in 30 countries. The Group has approx. 3,900 employees and net sales of SEK 5,712 million.

For more information see www.munters.us



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