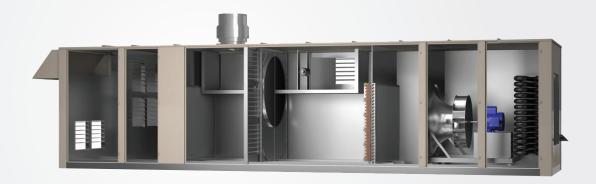


DESICCANT DEHUMIDIFIER







For applications requiring precise humidity levels such as advanced manufacturing, pharmaceuticals or archival storage, Fisen's active desiccant wheel technology maximizes efficiency and removes more moisture than traditional cooling coils.

Active desiccant technology incorporates a desiccant wheel and a heated drying cycle to remove moisture from the air. Traditional cooling coils are then used to reduce the temperature of the air to the desired levels.

Industries

Advanced Manufacturing

Due to the energy-intensive nature of producing many modern electronics, it's vital to capture and redirect that energy from a cost standpoint. Our custom HVAC solutions utilize energy recovery devices like enthalpy wheels and plate heat exchangers to reduce run times and maximize energy efficiency.

Pharmaceutical & Healthcare

Our highly efficient dehumidification systems offer precise humidity control to meet air quality standards for pharmaceutical manufacturing environments and surgical suites.

Archival Storage

Desiccant wheel technology is extremely effective for applications that require low dew-point depression and cooler supply air levels, like archival storage.

Visit **fisenusa.com** for more information.

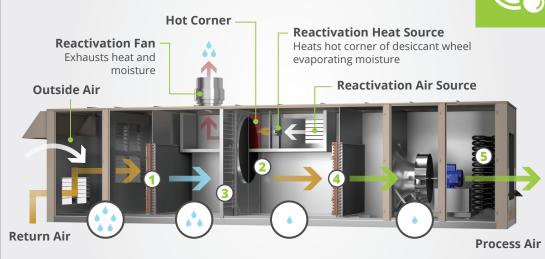
Benefits

- A full face air seal separates the process and reactivation air streams, and comes with a minimum 25,000 hour operational life expectancy
- Seamless integration with standard models
- Low operating costs and high energy efficiency
- Consistent dehumidification without over-cooling
- Backed by the Johnson Controls warranty and a national network of over 10,000 service providers

Popular Options & Standard Features

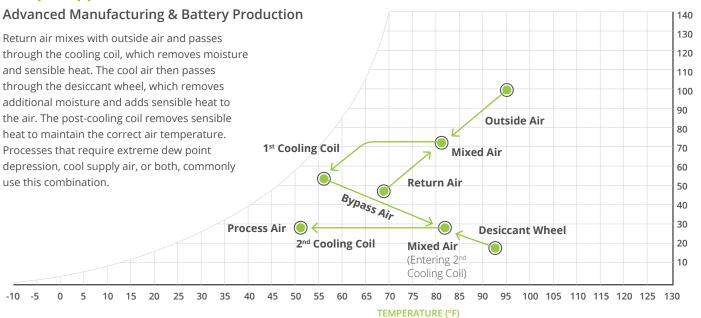
- Double-wall insulated & rugged outdoor construction
- 1,000 hour salt-spray tested finish
- 2-inch or 4-inch panel filters, 6-inch or 12-inch cartridge filters
- Epoxy coatings (coils and unit exterior)
- Factory tested refrigeration system
- Microchannel high efficiency condenser coil
- Water or integrated air cooled condenser
- Multiple independent refrigeration circuits
- LonWorks, BACnet, N2 or Modbus communications
- Gas, electric, steam or hot water heat
- Wheel reactivation: Natural gas or electric

- **1st Cooling Coil**
 - **Desiccant Wheel**
- **Bypass**During dry conditions, air can bypass desiccant wheel
- **2nd Cooling Coil**
- **Process Heating Source**



= relative air moisture content

Sample Application:



| Unit Performance | JCI Product | 5 | 10 | 20 | 40 | 100 | ХТО | XTI |
|------------------|----------------------|-----------------|-----------------|-----------------|------------------|------------------|------------------|------------------|
| | Process Air Range | to 2,000 CFM | to 4,000 CFM | to 8,000 CFM | to 16,000 CFM | to 46,000 CFM | to 55,000 CFM | to 70,000 CFM |
| | Cooling Type | DX | DX | DX | DX | DX | DX, CHW | DX, CHW |

LEARN MORE AT

FISENUSA.COM