

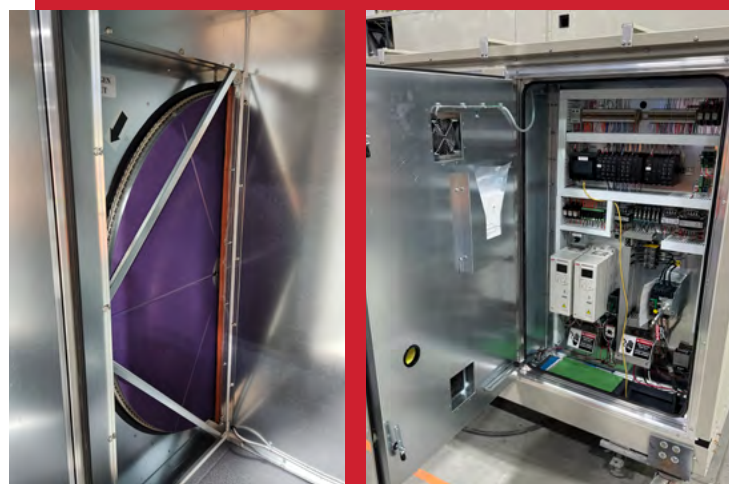
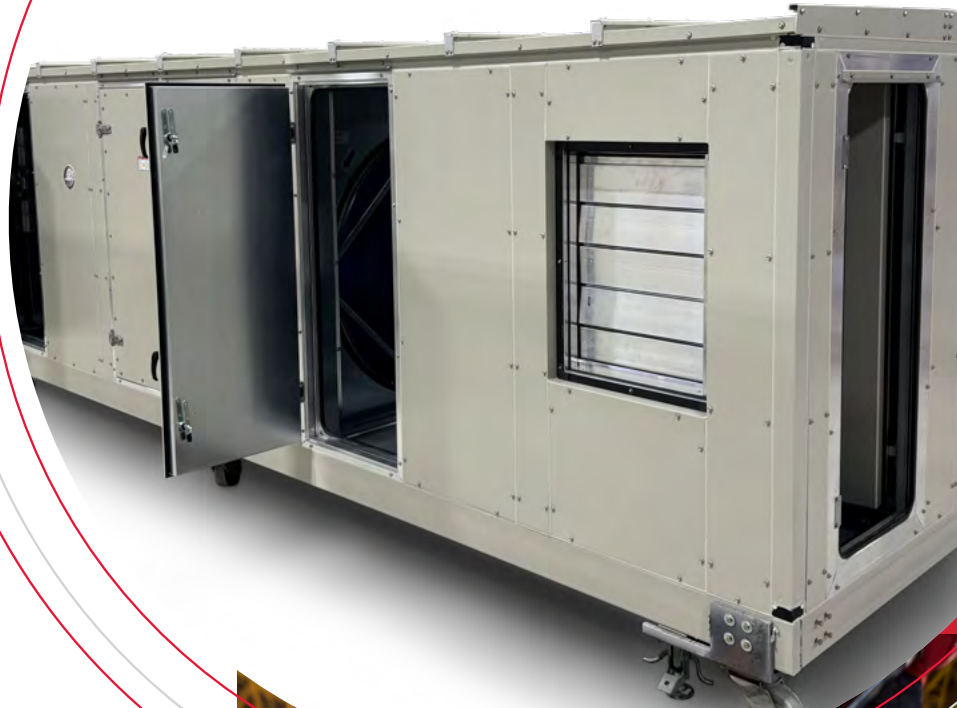
Desiccant Dehumidification Air Handlers

Nortek Air Solutions understands how important air handling equipment is to commercial and industrial applications that require precise humidity control, which is why we offer a low humidity air handler capable of managing humidity levels below 45 °F.

By incorporating desiccant wheel technology with Nortek Air Solutions Design Assistant (NASDA) capability, difficult performance requirements can be achieved—while still benefiting from the custom design options customers have come to expect from Nortek Air Solutions.

Product Features

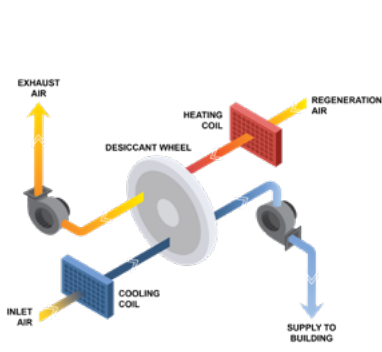
- CFM ranging from 2,000 to 50,000
- Dew points from 45 °F to -20 °F
- Multiple heating and cooling options including DX, chilled water, hot water, steam, natural gas, and electric
- Efficient integrated DX design in the process and regeneration air streams when needed
- Tube and frame construction with less than 1% cabinet leakage
- Integrated Delta controls



Market Applications

	Low Temp Regeneration	High Temp Regeneration	Dual Wheel Active Regeneration	Ice Rink Dehumidification
Operating Rooms	✓	✓	✓	
K-12	✓		✓	
Office Space	✓		✓	
Grocery Stores	✓		✓	
Industrial Manufacturing		✓	✓	
Defense Manufacturing		✓	✓	
Pharmaceutical		✓	✓	
Ice Rink Arenas			✓	✓

PRODUCT DESIGN LAYOUTS



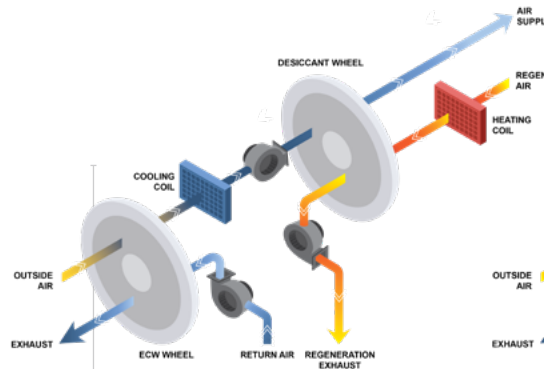
Active Regeneration

Low Temperature Regeneration

- Utilizes 120 °F regeneration temperature from condenser heat, hot water, steam, or electric heat
- Discharge dew point down to 35 °F

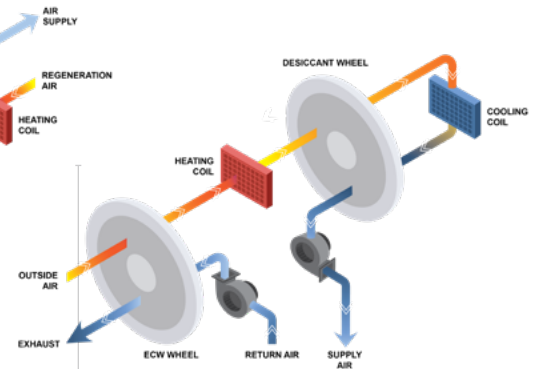
High Temperature Regeneration

- Utilizes 150 °F and up regeneration temperature from hot water, gas, steam or electric heat
- Discharge dew point down to -20 °F



Dual Wheel Active Regeneration

- Adds energy conservation wheel to the low temperature regeneration design
- Increased efficiency in the system from pre-cooling the outside air
- Preferred design when a large amount of outside air is being brought into the space



Ice Rink Dehumidification

- Supply cold, dry air to the arena to avoid condensation freezing and fog on the playing surface
- Utilizes condenser heat for regeneration instead of natural gas or electric heat
- Energy conservation wheel in place to heat up the outside air with the return air