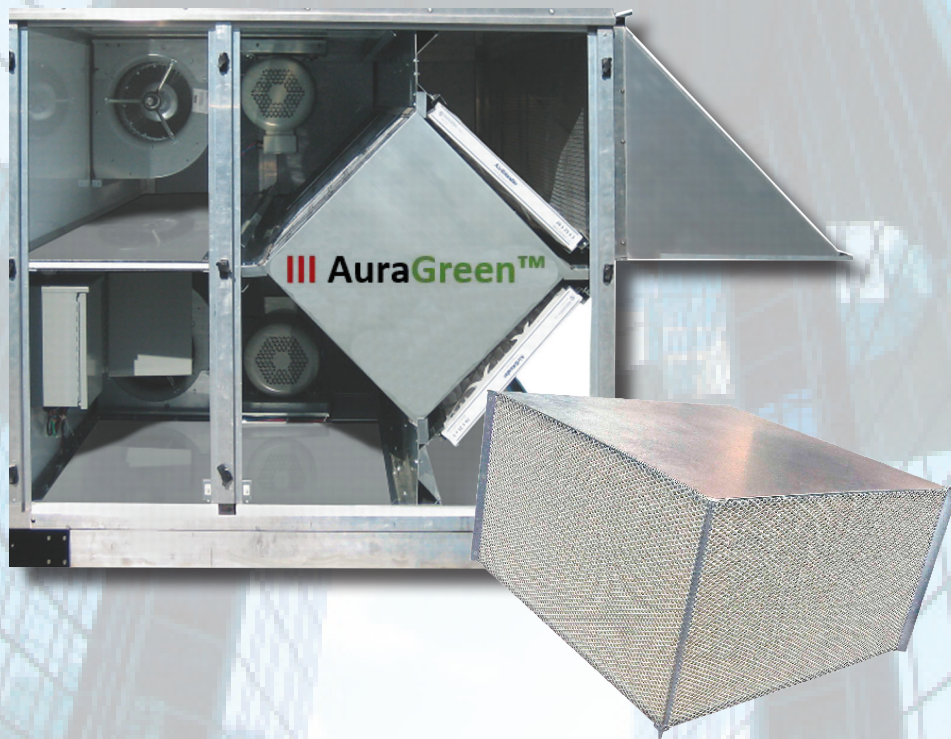


# AuraGreen™



AuraGreen™ Energy Recovery Ventilators

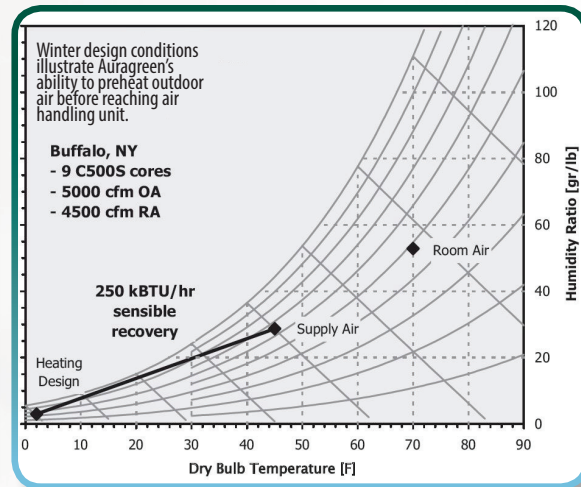
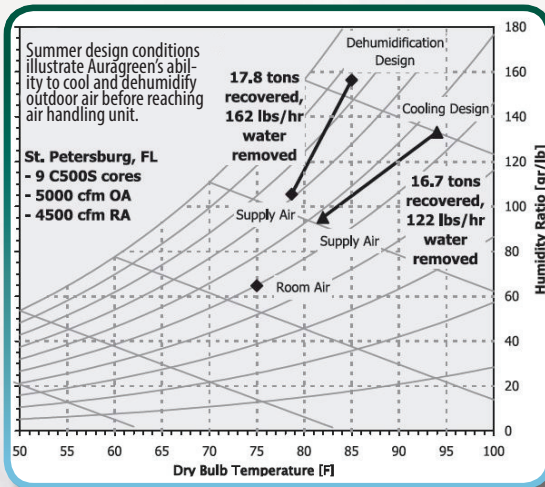
*Industry Leading ERV Technology & Performance*

## AuraGreen™ Breaks Barriers In Efficiency, Effectiveness And Simplicity.

The AuraGreen Energy Recovery Ventilator (ERV) delivers unparalleled performance while providing the required fresh air supply. AuraGreen's patented fixed plate core performance is AHRI certified and UL recognized, and AuraGreen systems are ETL recognized. Other benefits and advantages

include:

- Sensible and **HIGH LATENT** transfer in a fixed plate ERV
- No moving parts to maintain or break
- Reduces operating costs – Saves energy
- Zero OA and RA cross flow leakage
- No parasitic energy loss
- No condensate - no need for drains
- Safely downsize HVAC equipment up to 33 percent
- Reduces humidity - lowering mold's growth potential
- AuraGreen core is anti-microbial
- CO2 emissions avoided - up to 2 lb/ton/hr
- Simple system maintenance
- Significant **ROI** benefit
- Industry-Leading Effectiveness Saves Energy and Money



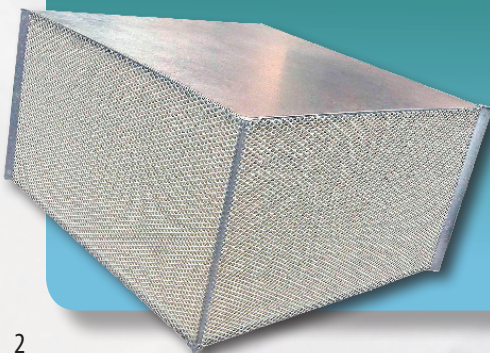
By preconditioning the outside air entering the air handler, the patented AuraGreen system reduces ventilation costs by an average of 30 percent. Plus, you can safely downsize your equipment by up to 1/3; lowering capital, installation, construction and on-going operating costs.

Specifying AuraGreen in a regulation driven ventilation environment, will help meet building standards while offering a sustainable product that reduces the carbon footprint.

### AuraGreen Core vs. Enthalpy Wheels

Enthalpy wheels have been around since the 1970's. The fixed plate AuraGreen product, using nanotechnology, provides the highest latent and sensible performance to address all ventilation opportunities without the known drawbacks of enthalpy wheels.

AuraGreen has no moving parts to maintain, while enthalpy wheels have bushings, bearings, seals, and belts as potential sources of equipment failure. AuraGreen has minimal maintenance requirements: regularly change the pre-filters and occasionally vacuum the inlet surface of the core(s).

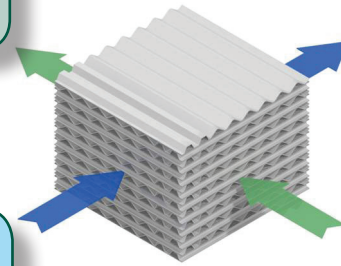


Cooled and dehumidified **Fresh Air** into the A/C system  
81db/68.5wb

**Exhaust Air**  
Carries heat and humidity out of the building

**Stale Return Air** from the building  
75db/63wb

**Hot and Humid Outside Air**  
95db/78wb



Unlike an enthalpy wheel, AuraGreen requires no parasitic drive energy to provide its benefits. AuraGreen performs continuously with any airflow: always with zero air stream cross contamination. This reliability allows the user to install smaller, less expensive air handlers for dramatic savings.

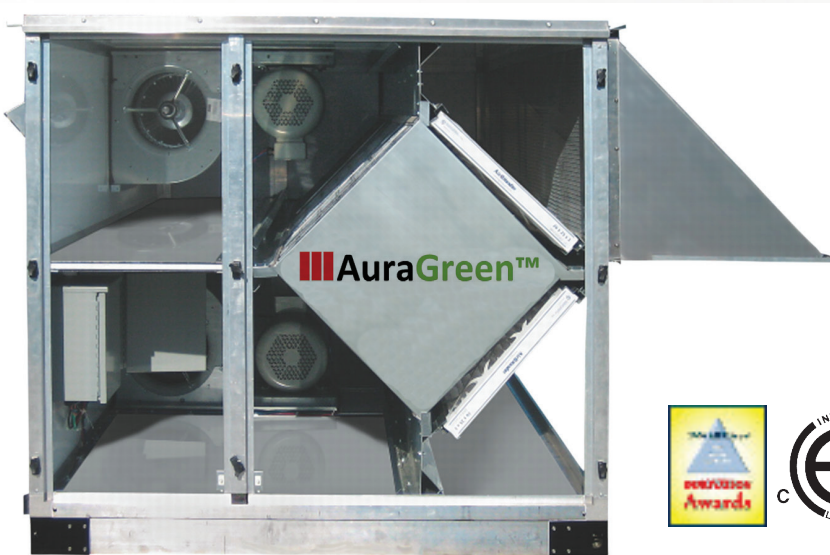
## Proven Technology And Product In Real World Applications

AuraGreen™ is proven to be a superior solution across a wide variety of applications with several thousand units installed worldwide in a wide range of sites (and climates). Installations include schools, universities, hospitals, surgical centers, museums, libraries, office buildings, manufacturing plants, retail spaces and hotels.

- Florida Power and Light, Florida
- Museum of Science and Industry, Florida
- Troy School, New York
- Berkshire Brewery, Massachusetts
- American Legion, South Dakota
- Norris School, Nebraska
- Patrick Air Force Base, Florida
- World of Coke Museum, Georgia
- Ministry of Construction, China
- Our Lady of Light Church, Florida
- Huron Ice Arena, South Dakota
- Forum de la Plaine, Montreal
- University of Tampa Dormitory, Florida
- Walmart (Multiple Locations)
- Walgreens (Multiple Locations)
- Eye Surgery Center, New Jersey
- Bowman Shopping Complex, Texas
- Umatilla Free Clinic, Florida
- Barton Mines, New York
- Hull American Bank, Ohio
- University of South Dakota Fine Arts Bldg

## Building Block To Environmental Efficiency

AuraGreen can be a significant building block in constructing environmentally sound and energy sustainable structures. An AuraGreen system can avoid producing CO2 emissions - up to 2 lbs/ton/hour and contributes to the generation of Leadership in Energy and Environmental Design (LEED) credits. Be sure to check your local utility or government organizations for rebates for the installation of high performance HVAC equipment such as AuraGreen.

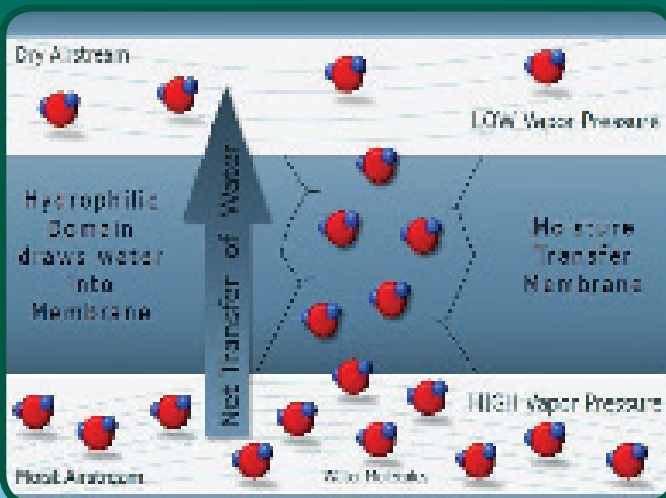


### Certified Performance



## AuraGreen vs. Other Fixed Plate Systems

AuraGreen offers far superior AHRI certified effectiveness of total energy transfer than older fixed plate technology products. The HVAC system works more efficiently, saving energy while satisfying current and pending ASHRAE and government mandated Fresh Air requirements (ASHRAE 90.1, 62.1, 62.2, IEEC 2006). In addition, the AuraGreen core has a 10-year warranty. AuraGreen uses nanotechnology membrane



to provide an exceptional total system effectiveness of greater than 65 percent. The AuraGreen core is effective in both summer and winter conditions. Using building exhaust, AuraGreen transfers heat and humidity into the fresh air stream during cold, dry winter conditions. It cools and removes moisture from the fresh air stream during hot, humid summertime periods. AuraGreen works year round providing maximum energy savings and comfort. AuraGreen's design and performance advantages provide an optimum solution with average payback ranging from immediate (new projects with downsized HVAC equipment) to five years (retrofit projects).

### **Rooftop with Fans**

AuraGreen™ provides a complete range (350 cfm to 11,000 cfm) of rooftop fanned units with options that can run independent or connected to all air handlers. Options include motorized dampers, economizers, VFD's, pre-heat, cooling or heating coils, CO2 sensors, temperature control, occupancy control, dirty filter sensor, air flow monitoring and more.



### **Indoor with Fans**

AuraGreen provides a complete range (350 cfm to 11,000 cfm) of indoor fanned units configured with options to connect to all air handlers. Options include VFDs, pre-heat, motorized dampers, gravity dampers, temperature control, occupancy control, dirty filter sensor, air flow monitoring and more.



### **Indoor without Fans**

AuraGreen provides a complete line of non-fanned units that can be integrated into projects having fan capacity available from existing separate fans. These units range from 350 cfm to 7,200 cfm and can be stacked to provide more than 28,800 cfm if required. These have the smallest ERV footprint and are great for renovation projects as they can easily fit in most existing equipment rooms.



### **Custom Units**

Larger system requirements are addressed with multiple AuraGreen systems, or the integration of AuraGreen cores (or core cassettes) into custom built enclosures to meet these special project needs. Please call to discuss your project's requirements

