



**RenewAire<sup>®</sup>**  
*Energy Recovery Ventilation*  
**The Natural Choice for Fresher Air**

**For Your Home**



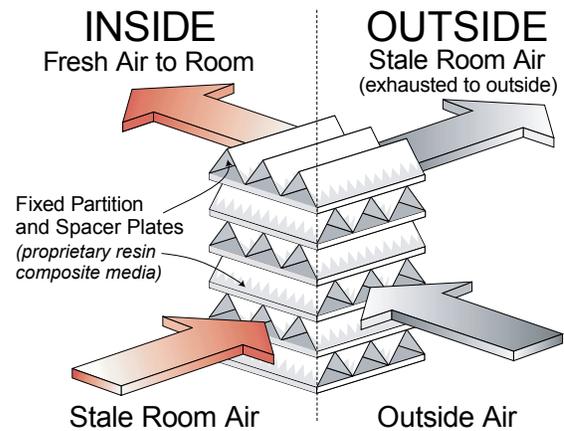
# SAFEGUARDING LIFE'S GREATEST INVESTMENTS

## Nothing is More Important Than the Health of Family and Home

- Today's homes are airtight.
- The need for ventilation has never been more important.
- RenewAire is uniquely qualified to provide this critical indoor component.

## The Natural Choice for Fresher Air

RenewAire's advanced ventilation products are based upon a simple principal – bring equal amounts of healthier, fresh air into your home while exhausting the same amount out, and do this in the best energy efficient manner as possible. Unlike ordinary residential ventilation systems, RenewAire handles both exhaust and fresh airstreams while also moderating humidity and temperature extremes during summer as well as winter. This results in the very efficient delivery of fresh air while exhausting unhealthy stale air, including odors, excess carbon dioxide, formaldehyde, and other harmful gaseous pollutants, regardless of the time of year or where you live.



- During summer, hot/humid ventilation air is pre-conditioned using the relatively cool/dry exhaust air.
- During winter, ventilation air is pre-heated/humidified using the relatively warmer/wetter exhaust air. This is all accomplished passively.
- Airstreams are physically separated by plates that transfer only heat and humidity and no other pollutants.



## Advanced Energy Recovery Ventilation Versus Bathroom Fans

Simple bath fans are often promoted to provide your home's critical indoor fresh air component. First and foremost, a bath fan ventilation system has no energy recovery component. RenewAire's remarkable static-plate energy recovery core preconditions the incoming ventilation air using the available energy in the exhaust air leaving the home.

Furthermore, bath fans only drive air in one direction - out of your home, placing your tightly built home under negative pressure. RenewAire's balanced approach maintains the home under neutral or balanced pressure, avoiding driving air into or out of the home's energy envelope. Balanced ventilation decreases the possibility of condensation at points where hot air meets cold air within the building envelope as well as undesired hot or cold air infiltration. Undue condensation inside the home or within the building envelope can lead to unwanted mold, mildew and subsequent structural damage.

In new construction and remodel situations, RenewAire Energy Recovery Ventilation (ERV) systems can be used in place of bath fans with a RenewAire control conveniently placed in each bathroom while still providing energy efficient, balanced whole house ventilation.

## Which is Better, ERV or HRV?

RenewAire's advanced ventilation products are suitable for all climates and are to be operated in both summer and winter. Some competitor's products only recover heat from the exhaust air (HRV). This is great during winter in cold climates, but can over dry the home. During hot, humid summer days, HRVs must be turned off to avoid bringing in too much outdoor humidity. RenewAire's Energy Recovery Ventilators work in summer, winter, hot, cold, humid or dry, moderating extremes year-round.

## Which Product is Perfect for Your Home?

RenewAire relies on trained HVAC professionals to discuss your lifestyle, concerns, and review your particular application in order to properly size a RenewAire advanced ventilation system. RenewAire's advanced ventilation products are available in many convenient sizes so your HVAC professional can properly size a unit that precisely meets your needs and do so in the most energy efficient manner possible.

## Quality That Shows

When compared side-by-side with other manufacturers, RenewAire offers important advantages, such as high quality, commercial grade construction, better insulation, reduced thermal bridging, and higher blower/motor efficiency for more fresh air delivered for less money spent. RenewAire's product performance is Home Ventilation Institute (HVI) certified, and rates among the top performers in these independent evaluation programs. All models are UL Listed for safety and durability under the specific UL-1812 Standard for Ducted Heat Recovery Ventilators. It's RenewAire's higher standards of quality, simplicity, and outstanding long-term performance that allow RenewAire to provide a 10-year warranty on the energy recovery core and a five-year warranty on the balance of the product.



## More Than A System...The Complete Home Ventilation Solution

RenewAire means high performance, low maintenance and expense, and complete peace-of-mind. When you look at all that's available, you'll see that for the best "whole house" approach to highly-effective, cost-efficient ventilation, all ERVs are not created equal: RenewAire ERVs are simply the smartest choice, for every reason.

# RenewAire ERVs

## Ventilation That Pays



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RenewAire ERVs are proudly manufactured in our LEED-Silver Certified facility using 100% wind generated electricity.*