Authorized Affiliate of Energy Integrated Solutions

ENERGY RECOVERY VENTILATORS TM

Savings Through Lower HVAC System Load

Benefits Quick Look
Reduces Compressor Load In Summer
Reduces Heater Energy Use in Winter
Reduces Humidity Levels
Easy to Maintain
Reduces HVAC System Load

Although the technology of heat and energy has been a viable idea for more than 20 years, it has failed to become a mainstream plan due to problems associated with its high initial expenditure, fragmented product choice, high operating costs, low reliability, problematic cross contamination, and overall lack of long-term product durability. However, recent advances in energy recovery technology have changed the playing field to make the products more economically feasible, such as higher thermal efficiencies, no cross contamination high reliability, and improved long-term products durability.

Our units are made from medical grade polypropylene which is rugged, resistant to many chemicals, bases, acids and prevents the growth of mold or formation of frost. This patented monolithic polymer construction allows for low pressure drops, high heat and high moisture transfer as well. Most importantly each unit comes standard with a 10 year limited lifetime warranty. Our high efficiency air-to-air energy recovery ventilators are typically 80% thermally efficient and have an extremely high EER that is unsurpassed in the industry. By using our patented technologies we are able to precondition fresh outdoor air to room temperature for your building, school, office or home substantially reducing your energy bill and improving indoor air quality.

ERVs are tied into the outside air provision of an HVAC unit on one side and tied into an exhaust provision on the other side. The outside air is then precooled by the cooler exhaust air in the summer. And the outside air is preheated in the winter by the exhaust air. The air is also dehumidified by the desiccant material separating the two air streams. Benefits from the ERV include; reduced load on the HVAC equipment (both heating and cooling) and improved indoor air quality. (Meets ASHRAE 62-2001) humidity reduction.