



# Building Performance Equipment, Inc.®

Sustainable, Reliable and Energy Efficient Ventilation Systems



## INTRODUCTION TO HIGH PERFORMANCE ENERGY RECOVERY

The technology of heat and/or energy recovery has been a viable idea for over twenty years. It has failed to become main stream because of problems associated with its high initial expenditure, fragmented product choice, high operating costs, low reliability, problematic cross contamination as well as lack of long term product durability.

Recent advances in energy recovery technology have changed the playing field to make the products more economically feasible including; higher thermal efficiencies, no cross contamination, high reliability and improved long-term product durability. Building Performance Equipment, Inc. state of the art air-to-air energy recovery ventilator is an industry leader in polymer core fixed plate, reverse counter-flow technology. Advantages of the Building Performance Equipment, Inc. Energy Recovery Ventilator include:

- Up to 90% Thermal Effectiveness due to patented reverse counter-flow construction allowing for significant energy savings as well as reductions in peak demand.
- Up to 34% Latent Effectiveness (Humidity) during high temperature, high humidity summer conditions, with the use of Regenerative Condensate Return®.
- High thermal efficiency allows unit to be used as a stand-alone heat recovery ventilator when infrastructure does not permit extensive and costly renovations.
- No cross contamination due to the non-corrosive monolithic polymer construction as well as the airstreams never coming in direct contact.
- No moving or metal parts to promote mechanical failure.
- Monolithic construction does not permit the growth of mold or mildew.
- Allows rehabilitation of existing buildings without extensive HVAC retrofits to meet IAQ standards and permitting requirements.
- Reduces mechanical stress on the existing HVAC systems allowing the equipment to run more efficiently with a longer life cycle.
- Based on the high thermal efficiencies the equipment allows for a reduction in tonnage that is needed to cool buildings.
- Qualifies for significant incentives under the New Jersey Smart Start Buildings Program.
- The equipment is manufactured, sold and distributed throughout North America.

By combining patented heat recovery equipment with other existing energy efficient technology we can provide significant energy savings and extremely attractive paybacks and returns on investment. We would like to discuss in more detail and provide you with the potential energy savings and incentives that would be available by installing energy recovery ventilators manufactured by Building Performance Equipment, Inc .