



ENERGY RECOVERY SOLUTIONS

PUMP ASSISTED AIR-TO-AIR HEAT PIPE HX PRODUCTS

BENEFITS- TRADITIONAL HEAT PIPE HEAT EXCHANGER

- Energy payback periods of 18-24 months
- No moving parts= less maintenance
- No cross-contamination of airstreams
- Captures building's energy for pre-cooling or pre-heating in a counter flow or split designs
- Fully customizable coil sizing
- ASHRAE standard 62-2010 ventilation for acceptable indoor air quality
- Conforms to UL Standard 207 for heat pipe based HVAC system
- Turnkey solution ready for factory or onsite installation

IDEAL APPLICATIONS

Dedicated outside air facilities following ASHRAE 90.1 installation recommendations, such as:

- Hospitals & Healthcare Facilities
- Government Facilities Labs
- Theaters
- Fitness Centers
- Universities
- Condos/Hotels
- Food & Restaurant Facilities

PERFECT FOR COVID RELATED IAQ ISSUES
available for new installations or as a retro-fit

PUMP-ASSISTED SPLIT LOOP THERMOSYPHON AAHX

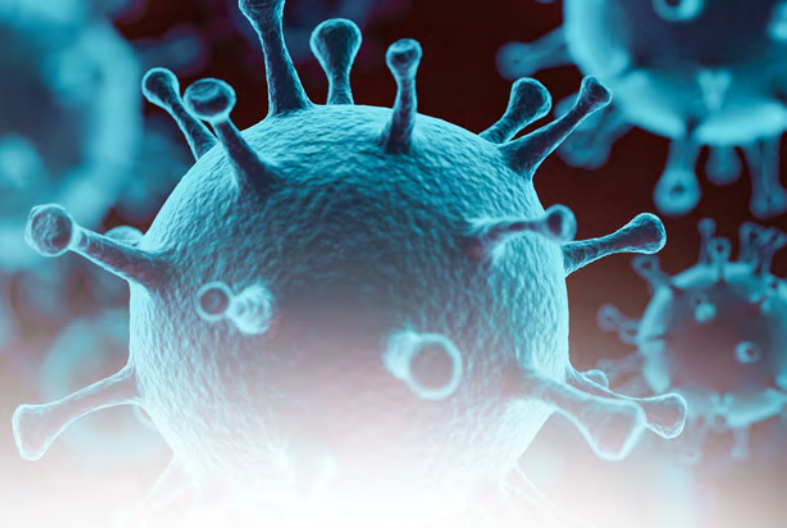
- Compatible with large systems or long distance
- Energy efficient
- Optional temperature control (without the need for bypass dampers)
- Compact packaging
- Design flexibility
- High reliability, low maintenance needs
- Read more in this press release



PUMP-ASSISTED AAHX

BENEFITS

- Pre-packaged design ready to drop into AHR and run
- Controllable performance
- Maximum year-round energy savings
- Part year passive operation
- High reliability



PUMP-ASSISTED AAHX PERFORMANCE & PAYBACK: LEHIGH UNIVERSITY INSTALLATION

PROJECT HIGHLIGHTS

- Retro-fit To Replace Energy Wheel
- Payback Estimated At 2 Years
- Provided a Low Maintenance Solution

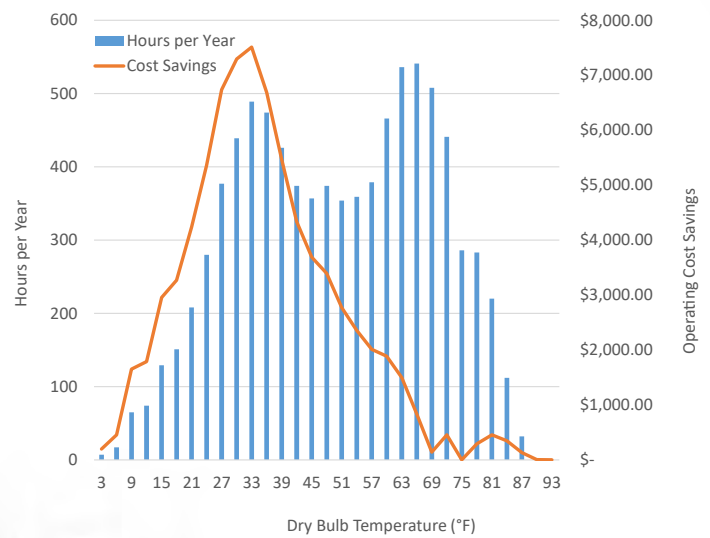
TOTAL OPERATING
COST SAVINGS OF
\$78,215/YEAR

SPECIFICATIONS USING BETHLEHEM PA WEATHER DATA

- Natural gas heating: \$0.05/kWh
- Electric costs: \$0.12/k ENERGY RECOVERY UNIT
- Cooling COP: 3



EXPECTED PAYBACK PERIOD



AAHX SELECTION TOOL



CONTACT US



VISIT [1-ACT.COM/HVAC](http://1-act.com/hvac)



FULL BROCHURE