



SOLUTIONS



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Focused on The Engineered Environment

April 2009

Welcome to SOLUTIONS, a monthly newsletter provided by Jacco & Associates. Jacco's focus on system knowledge provides you with the engineering support and product solutions for your applications.

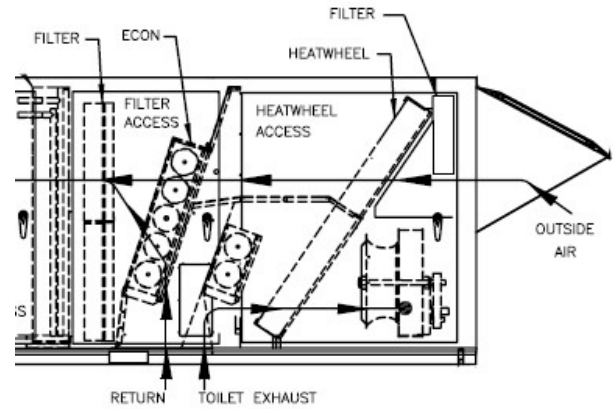
April Feature:



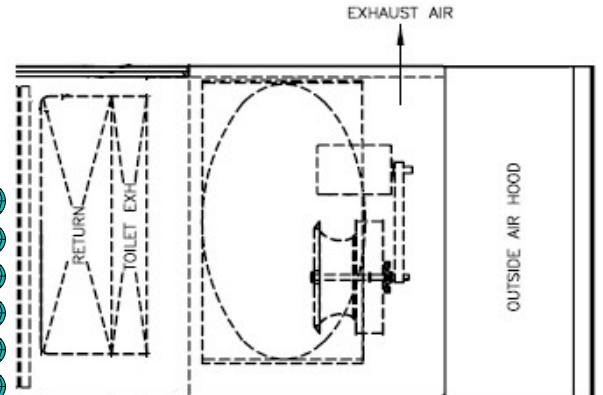
Energy Recovery RTU With Separate Toilet Exhaust

Aaon continues to lead our industry in innovation by creating products that improve today's building efficiencies. Typical system designs exhaust the restroom air out of the building due to their Class 2 air rating. The energy from this air was not recovered in the past because of the inability to separate the toilet exhaust from the RA stream. Now you can harness the energy of toilet exhaust to pre-heat or cool OA, keep the air streams separate, and still provide economizer operation.

As shown in the diagrams to the right, there is a separate duct connection for both the RA and toilet exhaust. The toilet exhaust is sent through the heat wheel and exits the unit. The RA enters the unit and 2 sets of dampers work in conjunction to dictate how much RA will mix with OA or go through the heat wheel and exit the unit. Due to this damper arrangement full economizer operation is still available. By designing this unit into your building you can increase the system efficiency, eliminate a separate EF, power supply and controls, and have single source responsibility.

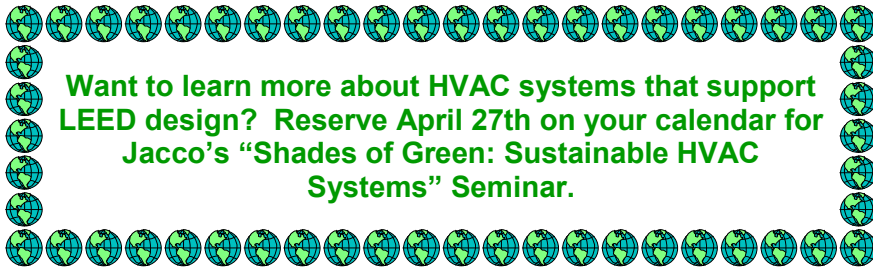


Elevation View



Plan View

Available as a standard option on
2-240 ton rooftops.



Want to learn more about HVAC systems that support LEED design? Reserve April 27th on your calendar for Jacco's "Shades of Green: Sustainable HVAC Systems" Seminar.

April Question & Answer:

Question: Class 2 air can be redesignated as Class 1 in the process of energy recovery when diluted with OA. What is the maximum allowable percentage of Class 2 air in the resulting airstream?

- a.) 5 b.) 7 c.) 10 d.) 12

Prize: Coleman Roadtrip Gas Grill!

Respond by April 14th with the correct answer to be entered in the raffle for this month's prize!

Last Month's Question & Answer Winner!

Question: Multiple BCM-FPCS's can be installed in one system. How many P1 devices can each FPCS control?

Answer: B-32. Congratulations to Ken Neuenschwander for winning a Taylor Made 60° Wedge!

To remove your name from our mailing list, please [click here](#).



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