



# SOLUTIONS



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*Focused on The Engineered Environment*

May 2008

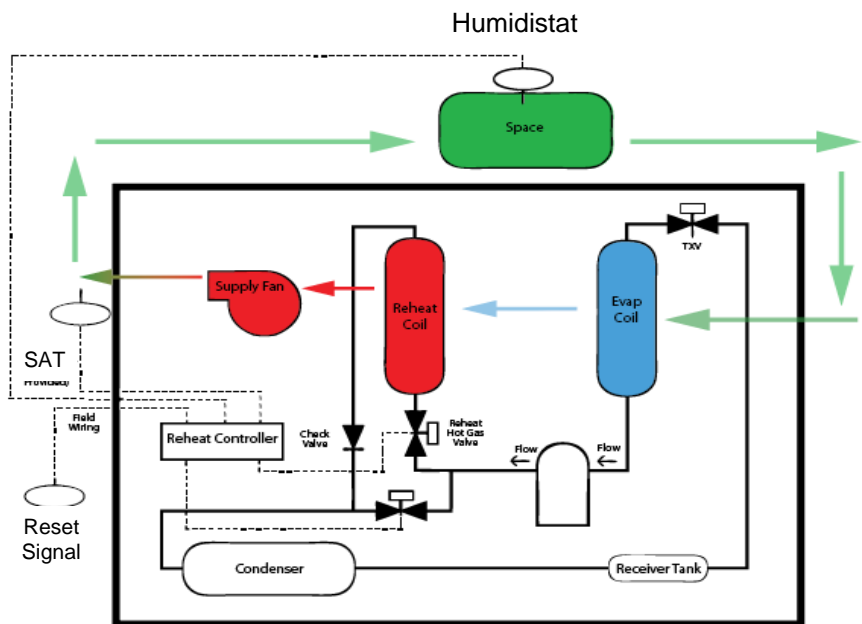
Welcome to SOLUTIONS, a monthly newsletter provided by Jacco & Associates. Jacco's focus on system knowledge provides you with the engineering support and product solutions for your applications.

## May Feature:



## Modulating Hot Gas Reheat

Aaon's modulating hot gas reheat allows you to control both temperature and humidity in the space whether there is a call for cooling or not. The primary components of the control system are a discharge air sensor, humidity sensor, reheat controller, modulating reheat valve, and discharge valve. Upon a call for dehumidification the discharge valve begins to close, and the reheat valve will begin to open. Both valves work in conjunction to properly balance the amount of refrigerant being sent to the reheat coil. Without both valves you cannot properly control the flow of refrigerant, resulting in large discharge temperature swings and fluctuating space humidity and temperature. The reheat controller will determine the position of the valves based off the supply air sensor setpoint (adjustable) to guarantee consistent dry, tempered air is delivered into the space at all conditions.



UNITARY SYSTEM PIPING SCHEMATIC

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## May Question & Answer:

**Question:** Which one of the following systems would not require modulating hot gas reheat?  
a.) Const. Volume b.) Dedicated Outdoor Air System c.) VAV With Reheat d.) Displacement Ventilation

**Prize:** (4) Cleveland Indians Tickets!

Respond by June 1<sup>st</sup> with the correct answer to be entered in the raffle for this month's prize!

## Last Month's Question & Answer Winner!

**Question:** What is the number of hours that Aaon's standard paint has passed the salt spray test?

**Answer:** 2,500. Congratulation to Dan Lindsey for winning (4) Indians Tickets!

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

Questions or comments? E-mail us at [opportunity@jacco.com](mailto:opportunity@jacco.com)



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