

Critical Air Technology: Kool C.A.T.™

TMI Custom Air Systems is pleased to introduce the next Generation of VAV (Variable Air Volume) Technology - the Kool C.A.T.™ (Critical Air Technology). The Kool C.A.T.™ fills the void for a responsive, energy-saving, all-purpose device for those critical environments that demand rapid response with tight temperature and humidity control. VAV boxes have been used to temper final air conditions by re-heating or raising the already tempered air being supplied from the facilities' HVAC Supply System. This is great for heating, but what about cooling?

New & existing systems require the full volume of air to be cooled, only to then be reheated, which in many cases results in:

- Lost Energy
- Higher Heating & Cooling Cost
- Higher Acquisition Costs
- Higher Operating Cost

The energy-saving merits and reliability of VAV technology is well-known and used through out the commercial building industry. The introduction of cooling into this technology, a new standard for a LEED Building is being formed. The Kool C.A.T.™ incorporates a cooling coil,

humidifier, and a re-heat coil. This allows the Central Plant to operate more efficiently at a lower cost.

The Kool C.A.T.™ provides facilities with the flexibility to lower or raise the final supply air temperature and humidity level coming from the existing HVAC System. Applications include but are not limited to: Hospitals, Laboratories, Universities, Vivariums and Morgues.

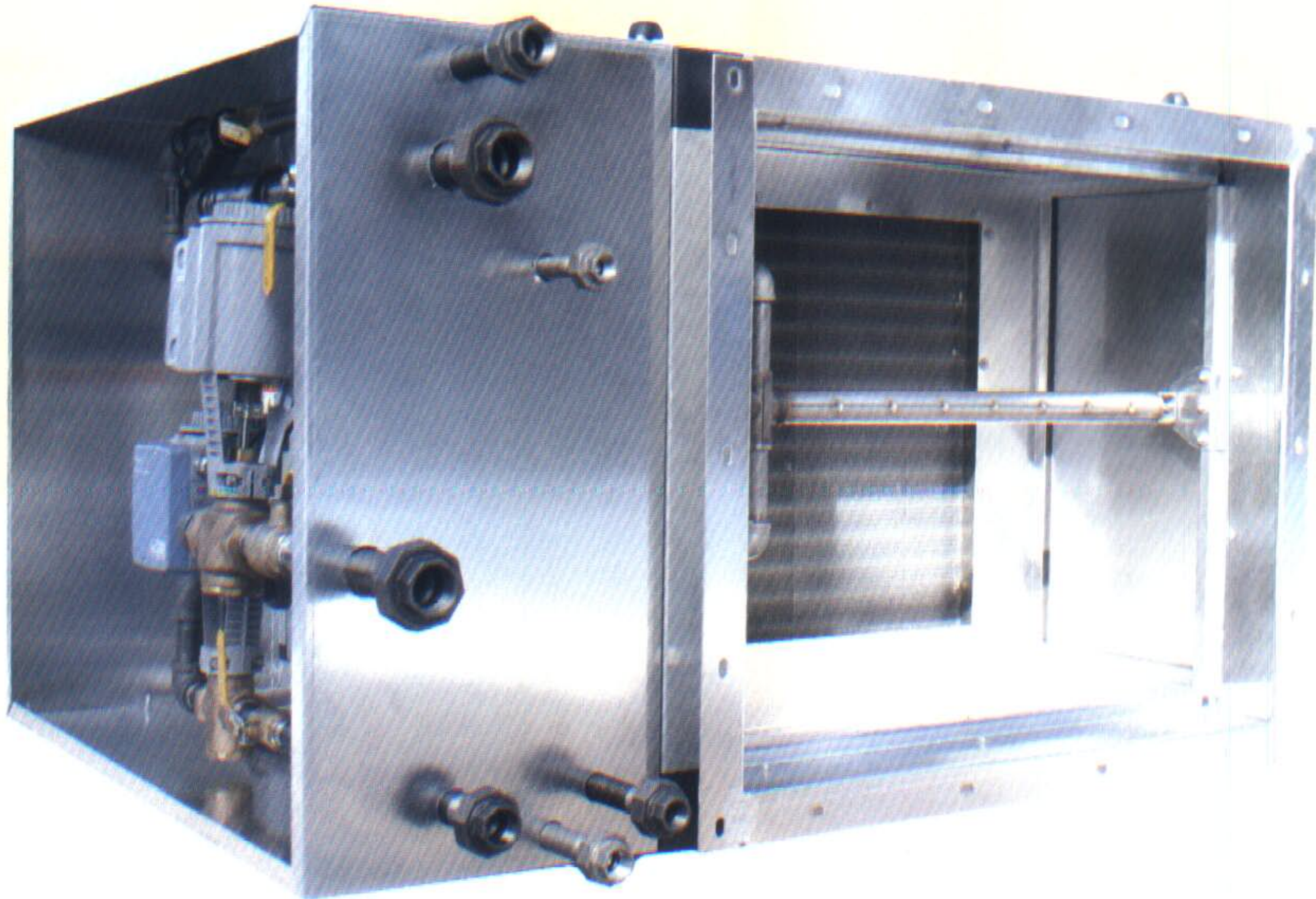
The Kool C.A.T.™ provides precise room control in minutes instead of hours without the energy loss previously associated with lower air temperatures for a single room or suite.

Kool C.A.T.™ has been designed to improve facility operations in the following ways:

- Lower Energy Consumption
- Improved Tenant/Employee Comfort
- Higher Surgeon Retention
- Increased Indoor Air Quality

The cooling coil also provides final dehumidification and allows for precise RH control of the space.

This all leads to an Increased Bottom Line



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