

VAV TERMINAL UNIT



WHY IS IT GREEN?

A VAV system provides energy efficiency through precise delivery of required air flow to different zones. Lower operating cost is achieved when the fan is ramped down during part load cooling.

Peak cooling load only occurs occasionally in buildings. A VAV system allows a cooling system to operate at lower airflow rates during part load conditions, which occurs most of the time.

The cubic factor of fan power law dictates that a reduction of 20% airflow rate during part load condition will provide 50% fan power reduction.

PRODUCT FEATURES

- Pressure-independent controls rely on a signal from the flow sensor to compensate for pressure fluctuations in the ductwork, while still ensuring the desired airflow is delivered.
- Low pressure drop construction with round inlet and rectangular outlet with static regain.
- 1", 2 lbs fiberglass with black matt tissue internal insulation for noise reduction.
- A VAV system has lower first costs by allowing the designer to take advantage of a building's diversity.
- The application of VAV terminal units have lower maintenance requirements because all the routine maintenance (filter replacement, condensate pan cleaning) is centrally located at the air handling unit, minimising maintenance needed within the occupied spaces (as compared to FCUs that offer similar thermal comfort control per zone).

APPLICABLE GBI CREDITS

NRNC	EE5, EQ6
INC	EE5, EQ6
NREB	EE5, EQ6
IEB	EE5, EQ6
INTERIORS	EQ3

COMPANY DETAILS

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