

VAV Terminal Units

Most of the industry seems to have accepted VAV terminals as simply a commodity. At The Trane Company we believe otherwise. That is why Trane has committed itself to a product that is head and shoulders above its competition. Here's how we're different:

Leadership: The Trane Terminal Unit

- VariTrane® Air Valve

The VariTrane air valve is truly the best air modulation device available. It is not only rugged but it provides linear air volume control. This is important because all control devices designed for VAV applications expect linear response to their outputs.

- Flow Ring

The VariTrane flow ring is a patented device designed to provide accurate airflow measurement regardless of inlet duct conditions. This device provides multiple points of flow sensing and represents flow in multiple axes. Regardless of the location of the inlet duct, the flow ring will sense flow with an accuracy ± 5 percent with a 1-1/2 equivalent duct diameter of straight duct upstream of the unit. This flow sensor is provided with all units.

- ARI 880 Certified

All Trane terminal units are ARI certified to assure you that the performance data provided is reliable and meets accepted industry standards. ARI certification is applicable to pressure drop, flow performance and acoustical performance. Accept nothing less.

- UL and CSA Approved

The safety of your building occupants and your business is essential. UL listing and CSA approval assures you that Trane terminal units have been built to industry established safety standards. UL listing and CSA approval are applicable to the terminal unit as a complete assembly, not simply the electric coil or components.

Leadership: The Trane Air Valve

The Trane air valve is designed to offer total comfort. This means not only a comfortable environment for building occupants but also a quiet, efficient product that is rugged and reliable for the system designer and installer.

- Quiet and Efficient

The inlet with integral flow diffuser and beveled, self-centering damper has been carefully tested and optimized for venturi-like performance. The result is lower inlet static pressure requirements, quieter operation and smooth, evenly distributed airflow regardless of valve position. Low leakage is possible without the need for gasketing or neoprene seals that wear over time.

- Rugged and Reliable

An integral electric or pneumatic actuator means no linkages, screws, pins, levers or rods to loosen, get out of adjustment or be exposed to jobsite abuse. High reliability is achieved through the use of proven technology and fewer parts. A simple yet reliable electric drive incorporates integral motor gear.

The construction of the VariTrane air valve withstands 20 inches of inlet static pressure. Consistent quality is achieved through aluminum die casting and maintenance of critical manufacturing tolerances.

Leadership: Indoor Air Quality

Indoor air quality is a growing concern. That is why Trane provides the most complete indoor air quality options of any terminal unit manufacturer.

VariTrane® Double Wall Terminal Unit

A.

Double Wall Construction minimizes airstream exposure to insulation, is cleanable, durable and reduces potential for mold and bacteria growth.

B.

Trane air valve provides linear flow regardless of damper position and features the multi-point, multi-axis flow ring for more accurate flow control.

C.

High quality Trane pneumatic and analog electronic controls.

D.

Double wall access door provides access to interior of unit for easy maintenance and cleaning.

E.

Meets UL and CSA established safety standards.

F.

ARI certification assures accuracy of manufacturer's performance data.

Leadership: Controls

Direct digital control of VAV units (DDC/VAV) is a key element in providing intelligent, responsive building management. A single twisted wire pair links microprocessor controls with Tracer® building management products. Precision control, flexible comfort and after-hours access are all available with Trane DDC/VAV systems. Key system features include an advanced system controller, flexible system design and user-friendly interaction.

Leadership: The Trane VAV Terminal Unit

Trane has committed itself to the design and manufacture of a superior VAV terminal unit. The unit takes advantage of the newest design, manufacturing and control technology to assure the engineer and building owner a product that offers safety, reliability, controllability, comfort and long installed life.