

VariTrane® Single Duct Unit VAV

The leader in efficiency *and* acoustics



VariTrane is now certified among the quietest single-duct VAVs on the market with less than half the air leakage of the closest competitor. And we stand behind our certification results!

Air flows quietly—and reliably— to maintain comfort and air quality

Moving air through the HVAC system to manage thermal comfort and indoor air quality creates acoustical challenges. Air gets noisy when it squeezes through seams and gaps. VariTrane® reduces sound at the VAV by significantly reducing the places where air can escape. **The result is an HVAC system that is a quieter, more efficient and sustainable solution that costs less to operate.**



2X
MORE EFFICIENT
AND
ULTRA
QUIET

Gasketed coil casing
flanged to unit casing

Factory mounted and
commissioned controller

Panel overlap has an internal gasket
along seams, and is compressed by fasteners

Coil tubes expanded into side
panels create a tighter seal

Air-Fi® Wireless system integration
with factory addressed receivers

Improved Indoor Air Quality

Minimizing cold supply air leakage reduces the risk of condensation that could lead to mold growth within the space. VariTrane® reliably delivers the proper amount of primary air/supply air to each zone during all operating conditions.

Tested and Certified Acoustical Performance

Sound performance has been thoroughly tested and certified in Trane's advanced acoustics testing lab in accordance with AHRI Standard 880. Additional factory testing verifies proper unit operation including occupied/unoccupied airflow and temperature setpoints, communication link functionality, and output device functionality.

Factory Commissioned Controls (optional)

Trane is the only manufacturer to offer factory mounting and commissioning of unit controllers. Commissioning means pre-engineered algorithms that are programmed and tested before the unit leaves the factory. This allows customers to standardize the VAV control strategies for ventilation, fan pressure, start-stop and more—while significantly reducing the amount of labor and programming that's required to complete a job. Every unit operates with our best-known sequences for optimizing efficiency, quality and reliability. Combining Trane factory installed and commissioned controls with our Air-Fi® Wireless solution improves the user experience by providing the most efficient, quiet, "plug- and-play" VAV box on the market today.

Factory Installed Piping Package

Trane is the only manufacturer to offer a factory installed piping package flip-able in the field allowing either left or right hand piping connections with no modifications. Providing the option of left or right hand piping connections in the field reduces the required job coordination time and reduces required field modifications for job site changes. Each factory installed piping package is leak tested prior to shipment and installed in an enclosure for protection during shipping and installation while ensuring package integrity when arriving on site. Consistent outer diameters for supply and return connections across unit sizes simplifies install preparation and improves efficiency throughout the installation process.

Best in class in every category

- Outstanding certified sound performance
- Lowest air leakage rate in the industry
- Factory commissioned digital controls
- Reduced energy consumption and operating cost
- Field Flip-able Factory Installed Piping Package

Product Specs and Options

- Available Sizes:
4 in. to 16 in. round, 24 in. x 16 in. rectangular
- Airflow Range: 0 – 8,000 cfm
- Available with hot water or electric reheat
- Optional Certified Ultra-Low Air Leakage
- Optional LEED® wrap for preventing contamination during the construction phase
- Optional factory mounted, wired, and commissioned pressure independent controls
 - BACnet® Communication
 - Trane® Air-Fi® Wireless Communication
- Optional Factory Installed Piping Package



Learn more about VariTrane acoustics and efficiency.

Ask your Trane Account Manager to review certification testing results and competitive comparisons.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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