Introducing Today’s VariTrane®

The Trane Company is pleased to introduce a breakthrough in Variable Air Volume (VAV) technology – the new VariTrane VAV terminal unit. VariTrane units are manufactured in the most state-of-the-art VAV facility in the world. Proven components, such as the patented Trane flow ring and the VariTrane DDC controller, are used. Patent-pending manufacturing techniques are implemented to provide the most rugged and reliable VAV unit in the industry. All products are UL listed for safety and provide proven performance via accepted industry standards like ARI-880 and 885.

The Flexibility of VariTrane

Today’s VariTrane units are designed for diverse applications and environments. Uses range from the smallest buildings to the most complicated and rigorous applications. The energy-saving merits and reliability of VAV systems and system-level controls has initiated expansion into buildings previously reserved for less efficient systems.

Applications include office spaces, hospitals, movie theaters, hotels, retail stores, malls, extended-care facilities, and educational facilities. VariTrane terminal units provide the most reliable and flexible products available.

All VariTrane units include:
- Trane flow ring for unmatched airflow measurement accuracy
- Heavy gage air valve cylinder
- Interlocking panels which create an extremely rugged unit
- Insulation edges are encapsulated with metal
- UL and CUL listing
- Fusing and disconnects (optional)
- Control power transformers (optional)

Single-Duct and Dual-Duct Terminal Units:
- Single-duct reheat options include water or electric heating coils
- Unit sizes provide 0 to 8000 nominal cfm
- Access for water coil cleaning
- Factory-commissioned Trane controls
- Factory installation of customer supplied controllers
- Slip and Drive connections as standard

Fan-powered Terminal Units:
- Parallel intermittent fan and series continuous fan configurations
- Complete reheat options include water or electric heating coils
- Fan sizes provide 200 to 3000 nominal cfm
- Single-speed motor with SCR is standard for simplified system balancing
- Optional high efficiency ECM motors
- Low-height models for critical plenum requirements
See what makes today’s VariTrane Units the best. Ever.

**Energy Efficiency** – A significant consumer of energy in commercial buildings is heating and air conditioning. One of the most energy efficient HVAC solutions is the VAV system. This has led to a steady increase in VAV systems over the past several years. VAV systems save significant energy, comply with ventilation requirements, and provide reliable and personalized occupant comfort.

**Integrated Comfort Systems (ICS)** – VAV systems emerged during the oil embargo of the early 1970s to increase building efficiency. Trane’s Integrated Comfort System (ICS) combines VariTrane VAV terminal units, Trane DDC controls and factory-commissioning. Trane ICS enables system-level control strategies like Ventilation Reset and Static Pressure Optimization to improve system performance and efficiency. It’s like fuel injection in a car’s engine. A gravity fed carburetor will provide gas to your car’s engine, but fuel injection does it in the most efficient manner, while boosting horsepower. ICS is just that – a horsepower and efficiency boost for your VAV system!

**Energy-saving features of the Trane VAV terminal units include:**
- System strategies like Ventilation Reset, and Static Pressure Optimization, etc.
- Night setback
- Occupied/unoccupied control
- Demand controlled ventilation

**Summary** – An integrated system is essential for complete building environmental comfort and system efficiency. Through the use of factory-commissioned controllers, and the existing capabilities of the DDC system, additional energy-saving strategies can be implemented. At the same time, the system maintains the highest reliability in the industry. Call your local Trane Sales Office for additional details.