FOR IMMEDIATE RELEASE

Titus HVAC Introduces Hybrid Terminal Unit to Improve Learning Environments

New Chilled Beam Unit Uses 100 Percent Outdoor Air
to Create the Right Balance of Comfort, Indoor Air Quality and Energy Efficiency

DALLAS – July 8, 2013 – Titus HVAC, the leader in air management, introduces a new type of chilled beam displacement ventilation unit – the Temperature and Ambience Optimizer (TAO) – for buildings where air quality is a concern. The unit is notable for its hybrid design that blends the best attributes and features of multiple systems into one, taking advantage of the displacement, chilled beam and radiation principles.

Designed for use in educational facilities and theaters, TAO will address and minimize high ventilation loads and correct inefficient and "sick" buildings to improve the interior environment. It allows the supply of 100 percent outside air, operates at a near-minimum ventilation rate for classrooms and reduces energy consumption by using cooling and heating coils. According to Titus HVAC, the design enables TAO to provide a higher level of thermal comfort in the space, which leads to improved student and teacher productivity, reduction of health problems, increased attendance and overall increased satisfaction.

The product works by finding the best path for a balanced and healthy environment by providing the appropriate proportion of heating or cooling to the perimeter wall and internal part of the occupied zone, managing the majority of room load. At the same time, the unit maintains the necessary displacement ventilation, humidity control and temperature level of the room. High indoor air quality is achieved by using the displacement ventilation strategy that does not allow for the mixing of contaminants, keeping CO_2 levels at a minimum.

"TAO continues the Titus tradition of technology and innovation to advance the science of air distribution," said Janis Rozenbergs, product manager at Titus HVAC. "TAO combines the benefits of displacement ventilation conditioning with the induction of chilled beams, which effectively and efficiently addresses the noise, humidity and ventilation issues in a classroom environment. At the same time, it provides heating where it is needed, which is in

the cold perimeter walls and windows. This provides a more uniform temperature distribution and comfortable environment."

The air exchange effectiveness of TAO is the highest among all HVAC systems, allowing for the reduction of the fresh air guidelines per ASHRAE 62.1, conforming to ANSI Standard sound levels and taking advantage of the CHPS program and all LEED certification requirements of ASHRAE Standard 55 for thermal comfort and ASHRAE 90.1 for optimal energy performance. TAO also helps reduce energy consumption by taking advantage of the low temperature, high-efficiency boilers and maximizes the economizer operation of the HVAC system.

Some of the features include customizable cabinets in a variety of aesthetically-pleasing wood finishes and colors. For more information on the TAO or other advanced air management products from Titus HVAC, visit www.titus-hvac.com.

About Titus HVAC

As the world leader in advancing the science of air distribution and air management training, Titus HVAC works to make life better by improving the health, efficiency, sustainability, comfort and aesthetics in commercial building environments. Founded in 1946, Titus HVAC provides a breadth and depth of air management products and design tools that includes displacement ventilation, chilled beam, underfloor, grilles, diffusers, terminal units, fan coils and advanced training. For more information, visit www.titus-hvac.com, www.titus-energysolutions.com or call 972-212-4800.

# # #