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**Addison's New Linear Capacity™ Dedicated Outdoor Air System with Active Coil Exposure™
Delivers Breakthrough in Combined Optimization of Indoor Air Quality and Energy Efficiency**

Company Launches Linear Capacity DOAS at 2018 AHR Expo, Booth No. N2451

CHICAGO, January 22, 2018 – Addison, a leading U.S.-based supplier of commercial and industrial cooling and dehumidification equipment, announces the availability of its Linear Capacity™ Dedicated Outdoor Air System (DOAS) – optimizing both indoor air quality and energy-efficient operation across a wide scope of commercial applications. The company officially unveiled this new system today at 2018 AHR Expo booth No. N2451 in Chicago.

“Addison’s innovative Linear Capacity DOAS is engineered to operate at the ideal intersection of indoor air quality, energy efficiency and occupant comfort, and optimally address both the ASHRAE 62.1 ventilation standard and ASHRAE 90.1 energy standard,” said Ross Miglio, president at Addison.

With greater than 50-percent energy savings versus the conventional fixed-capacity DOAS (according to Florida Solar Energy report FSEC-CR-2044-16), the new Addison Linear Capacity DOAS delivers optimized linear performance from 100 percent down to 20 percent of the ventilation load.

The unit’s patent-pending Active Coil Exposure™ demand-based ventilation technology optimizes variable refrigerant capacity and air flow modulation, which allows for tailored ventilation based on building occupancy, occupant activity and/or target VOC levels.

“As a geometrically varying exposure device, Active Coil Exposure makes it possible to achieve a breakthrough turn-down range, allowing only the active evaporator coils (EC) to be exposed to the air stream,” Miglio explained. “This results in EC positioning with laser-focused accuracy to maintain the designed leaving dew point, and makes it possible for scheduling ventilation demands across varying zones, and based on occupancy levels throughout the ambient operating range. The Linear Capacity DOAS’s modular and demand-based operation capabilities are truly game-changing for the industry, and we’re excited to be receiving feedback from the industry in this regard here at the 2018 AHR Expo.”

According to Miglio, due to the Linear Capacity DOAS’s exceptional ventilation load range and tailored, on-demand and zoned operational capabilities, the unit is ideal for commercial applications with varying and/or fluctuating occupancy.

“Facilities designed for occupancy during certain portions of the day, times of the year, or in fluctuating waves are perfect venues for the capabilities of the new Linear Capacity DOAS,” said Miglio. “These include, but are certainly not limited to, educational, healthcare and fitness facilities, office environments, hotels and resorts, restaurants, and cultural and entertainment spaces.”

Working seamlessly with a BACnet, Modbus, N2 or LonWorks-based building automation system (BAS), the unit's integrated controls platform facilitates the Active Coil Exposure's demand-based ventilation performance via oversight/facilitation of variable refrigerant capacity and air flow modulation. Modulating variable-speed EC condenser fans and acoustical engineering maintain precise head pressure control throughout the entire operating range, and a variable frequency drive (VFD) ensures accurate modulating control.

A brushless, permanent magnet variable-speed scroll compressor modulates to meet required refrigerant mass flow based on cooling demand. Individual electronic expansion valves (EEV) at each coil segment facilitate precise control of refrigerant while maintaining leaving air temperature, and enhanced occupant comfort is achieved through management of outdoor air moisture content throughout the entire ventilation load range.

The unit features 2-inch double wall construction, and R-13 closed cell foam insulation that offers notable durability while facilitating elevated energy efficiency. A thermally broken hinged door design provides easy and convenient access to all internal components.

Available in 10- to 30-ton capacities for commercial applications requiring 300 to 7500 CFM of nominal outdoor airflow, the Linear Capacity DOAS's active ventilation is also adaptable for IAQA flush-out per LEED EQc4. It is optimal for both retrofit and new construction projects, as well as configurable for current or future tenant build-out.

The Linear Capacity DOAS from Addison was also named as a finalist in the "indoor air quality" category of the 2018 AHR Expo Innovation Awards.

For additional information, visit www.addison-hvac.com or call +1-407-292-4400.

About Addison

Founded in 1949, Addison offers the unique ability to provide comprehensive engineering solutions that are custom-tailored to your product requirements and expectations. The company specializes in the supply of packaged rooftop systems, condensers and condensing units, heating/cooling/dehumidification systems, high-efficiency air handling units, vertical water-source packaged units and high-efficiency water-to-water indoor heat pumps for commercial and industrial applications.

Addison is a brand of Specialized Air Solutions, the mission of which is to design, produce and deliver semi-custom HVAC solutions that ensure an awesome customer experience. The well-known brands of Specialized Air Solutions provide exceptional energy efficiency, comfort, innovation and integration. In addition to Addison, these include Bananza, Combat HVAC Limited, Dectron Company, Phoenix Air Systems, PoolPak, Rapid Engineering LLC, Roberts Gordon Infrared Heating, Seresco and Weather-Rite LLC.