

COOLCENTRIC® ANNOUNCES the RDHX-LD -- A PASSIVE REAR DOOR HEAT EXCHANGER FOR RACK DENSITIES UP TO 12kW

PELHAM, New Hampshire (USA),— October 25, 2012 — Coolcentric® a division of Wakefield-Vette today announced the expansion of its family of data center cooling solutions with the Coolcentric Rear Door heat Exchanger – Low Density (RDHX-LD).

Data center managers and designers are looking beyond the typical perimeter cooling topology using computer room air conditioners (CRAC) or computer room air handlers (CRAH) to address their cooling requirements. Until now, available Coolcentric Heat Exchanger cooling solutions have focused on higher-density rack configurations from 8kW to 40kW. The Coolcentric RDHX-LD extends that cooling range downward to accommodate less-dense rack heat loads of 4kW to 12kW

The Coolcentric® RDHX-LD is a passive liquid cooled heat exchanger module that replace standard rear doors on IT enclosures. The RDHX employs a specially-designed fin and tube coil, protected by two 79% open perforated sheets, to maintain airflow through the IT enclosure. The rack-mount devices draw cool supply air through the chassis and exhaust hot air through the liquid-filled coil, which can 100% neutralize the hot exhaust air before reentry into the data center. The standard RDHX can provide as much as 33kW of sensible cooling per IT enclosure. Close-coupled to the IT enclosure, the RDHX brings the cooling as close to the heat source as possible at the rear of the rack thus providing the ultimate containment solution. Taking up a minimum of floor space, the RDHX is a flexible, efficient and space-saving cooling solution to data centers.

Coolcentric RDHX-LD reduces Capital and Operating TCO

Total Cost of Ownership (TCO) – The average cost of operating data centers has grown three times faster than capital investment in new IT equipment. Key drivers for uncontrolled TCO growth include cooling equipment capital expense, inefficient designs, high installation costs, rising energy bills and ongoing maintenance. The RDHX-LD solution offers a very attractive TCO value to end users.

RDHX-LD is Scalable. In typical data center installations, the infrastructure required to support perimeter or in-row cooling must be built in on day-one. Because the RDHX-LD can be installed quickly and easily and requires no pressurized raised floors, air plenums, exhaust chimneys, etc., the



configuration can grow as the data center grows. Additional units can be installed as new racks are added, eliminating infrastructure investment until it is actually needed.

The RDHx-LD is Reliable. With no moving parts, the RDHx-LD requires little if any regular maintenance. In fact, the RDHx-LD comes with a three-year limited warranty.

Rear Door Heat Exchanger (RDHx) Advantages:

- RDHx-LD provides up to 12kW and Standard RDHx provides up to 33kW of sensible cooling at 100% neutralization with no condensation
- Passive design – no fans, moving parts or electrical connections means no power required or consumed at the door and virtually no maintenance required
- No noise is generated -- Rear Door Heat Exchangers actually dampen IT enclosure noise
- Installs in minutes
- No rearrangement of enclosures required
- Allows 5X the compute power versus air-cooled data center facilities
- Patented Rear Door Heat Exchanger technology*
- No condensate and no thermal impact on data center
- Highly predictable cooling
- Ultimate in containment

“The announcement of the Coolcentric RDHx-LD underscores our commitment to continue to expand and enhance Coolcentric cooling solutions to help data center managers and owners solve their cooling challenges, contain ever-increasing energy costs and create a smarter sustainable data center,” said George Dannecker, Executive Vice President of Wakefield-Vette.

About Coolcentric:

Coolcentric® delivers the world's most energy and space efficient cooling solutions for reducing costs and data center sustainability. Coolcentric products for rack level cooling, combined with services for integration and deployment of Coolcentric data center thermal solutions, allow customers to optimize their data centers for maximum performance and return on investment.

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The company is headquartered in Pelham, NH (USA) and has manufacturing operations located in the USA, in China and in Taiwan.

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