

FOR IMMEDIATE RELEASE

GRC Launches ReliaSys™ IR500 CDU

High-Capacity, High-Efficiency Cooling for Next-Gen DLC and RDHX Systems

AUSTIN, TX — November 18, 2025 — GRC (Green Revolution Cooling) today announced the launch of the **ReliaSys™ IR500 Coolant Distribution Unit (CDU)**, a high-capacity, high-efficiency solution designed for **direct liquid cooling (DLC)** and **rear door heat exchanger (RDHX)** deployments. Engineered for reliability and precise thermal control, the IR500 delivers **up to 500kW** of cooling while enabling improved rack density and enhanced energy efficiency for modern data centers.

The ReliaSys IR500 efficiently transfers heat from IT equipment to external cooling sources such as chilled water systems, fluid coolers, cooling towers, or dry air coolers. Its **low-pressure-drop plate heat exchanger** minimizes energy use while maintaining optimal thermal performance.

“Direct liquid cooling is transforming how data centers are built and operated,” said **Peter Poulin, CEO of GRC**. “With the ReliaSys IR500, we’re giving operators a powerful, reliable CDU that maximizes performance and efficiency in high-density deployments.”

Key Features & Benefits

- **High-Capacity Cooling:** Supports up to **500kW** for DLC and RDHX systems.
- **Advanced Controls:** Precise management of secondary (TCS) water loop temperature and flow.
- **Dual Multistage Pumps:** Deliver high differential pressure efficiently.
- **Optimized Heat Exchanger:** Low pressure drop and minimal approach temperatures.
- **Rope-Style Leak Detection:** Early warning of potential leaks.
- **Flexible Water Connections:** Top or optional bottom entry for primary (FWS) and secondary (TCS) loops.
- **Service-Friendly Design:** Large filter housings reduce maintenance needs, and front- and rear-accessibility simplifies routine maintenance.
- **Seamless Integration:** Supports **Modbus TCP** and **SNMP** for DCIM and BMS connectivity.
- **Intuitive Touchscreen HMI:** 10” color display for monitoring and control.

The **ReliaSys IR500 CDU** demonstrates GRC’s commitment to innovative, high-efficiency cooling solutions that help data centers handle growing compute demands while reducing energy consumption and operational complexity.

For more information, visit www.grcooling.com.

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