GoCool-3000

Liquid-to-Liquid Coolant Distribution Unit

The increasing demand for high-performance computing and advanced GPUs highlights the limitations of air-cooling. Delta's GoCool L2L CDU offers a superior alternative, providing effective separation of facility and secondary circuits as well as precise control over flow, pressure, temperature, and coolant quality. It excels in managing high-density thermal load, maximizing computing power while minimizing data center PUE. The GoCool L2L CDU ensures operational reliability by preventing condensation and guarantees quality with its stainless steel plumbing and coolant filtration. Elevate your data center performance—engineered for the future of high-performance computing.

Cost Effective

- Maximize energy saving: cuts power consumption, surpassing traditional air cooling
- Space optimization: compact design enables closer server placement further reducing Capex
- Flexible integration: supports direct-to-chip and Rear Door Heat Exchanger (RDHx) application, adapting to existing setups and blending air and liquid cooling for future upgrades

High Reliability

- Uninterrupted operation: dual power feed with ATS ensures continuous CDU operation
- Optimized redundancy design ensures no single point of failure in the system
- Leak detection: instant alarms with configurable response for efficient pumping action
- Durable construction: stainless steel plumbing with 50-micron filters for long-term coolant quality

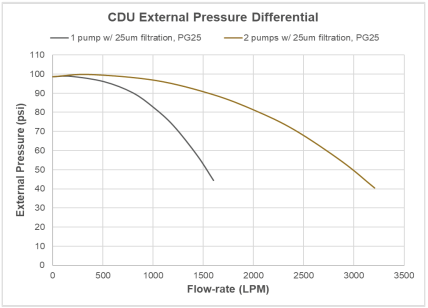
Easy Management

- Intuitive interface: 10-inch color touchscreen displays real-time system status
- Efficient control: group and manual control enhance system management and reliability

Technical Specifications

Model		GoCool-3000
Nominal Cooling Capacity		3000 kW @6°C approach, 3000 LPM secondary flow rate, 3000 LPM primary flow rate, 1.0 LPM/kW 2500 kW @5°C approach, 3000 LPM secondary flow rate, 3000 LPM primary flow rate, 1.2 LPM/kW 2000 kW @4°C approach, 3000 LPM secondary flow rate, 3000 LPM primary flow rate, 1.5 LPM/kW
PRIMARY SIDE		
Coolant Type		Water
Nominal Coolant Flow Rate		3000 LPM, 17°C primary inlet temperature
Operating Pressure Drop		159 kPa
Coolant Filter		500 µm
SECONDARY SIDE		
Coolant Type		25%PG
Nominal Coolant Flow Rate		3000 LPM
Approach Temperature		4°C
Coolant Filter		25 µm with isolation valves to enable hot-swappable (Optional 50 µm)
External Pressure Drop		334 kPa
POWER SUPPLY		
Nominal Power Supply Voltage		380/400/415/480 Vac, 3P4W+PE
Operating Voltage Range		342-528 Vac
Frequency		50/60 Hz
Dual Power Feed		Standard
Automatic Transfer Switch		Standard
MCU Controls		Standard
Power Feed Location		Top
DEPLOYMENT		
Primary Connection		6'' Victaulic
Secondary Connection		6'' Victaulic
Piping Connection Location		Top
PHYSICAL		
Dimensions (W x D x H)		1200 x 1500 x 2300 mm (47.2 x 59.1 x 90.6 inch)
Clearance		Front: 1200 mm (47.2 inch); Rear: 800 mm (31.5 inch)
Net Weight	With Coolant Without Coolant	2800 kg (6172.9 lb) 2222 kg (4898.7 lb)
COMMUNICATION INTERFACE		
Display		10'' color touchscreen
Protocols		SNMP, Modbus RTU, Modbus TCP/IP, BACnet
Monitoring		Primary Side: Temp. (Inlet/Outlet), Flow rate, Pressure (Inlet/Outlet, Filter ΔP) Secondary Side: Temp. (Supply/Return), Flow rate, Pressure (Supply/Return, Filter ΔP) Dew-point Temp.
CONFORMANCE		
Safety		CE, UL/CSA 60335
FEATURES		
Noise Level		TBD
Leak Detection		Standard
Dew Point Monitor		Standard
Control Sensor Redundancy		Standard
Variable Frequency Drivers (VFD)		Standard
Expansion Vessel		Standard
Filling Tank		Standard
Auto-restart Function		Standard
Coolant Healthy Measurement		pH sensor, Conductivity sensor, (Optional: Turbidity sensor)
Pump Redundancy		N modes
Grouping Control		Standard

All specifications are subject to change without prior notice.



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