

GoCool-3000

Liquid-to-Liquid Coolant Distribution Unit

The increasing demand for high-performance computing and advanced GPUs highlights the limitations of aircooling. Delta's GoCool LTL 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 LTL 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) applications, 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, 3P3W+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")
Clearance	Front: 1200 mm (47.2"); Rear: 800 mm (31.5")
Net Weight	With Coolant 2800 kg (6172.9 lb) Without Coolant 2222 kg (4898.7 lb)
Noise Level	* ⁽¹⁾
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	
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

(1) To be released

All specifications are subject to change without prior notice.



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