excool
advanced data center cooling

modulR CDU

THE EXCOOL COOLANT DISTRIBUTION UNIT

Precision engineered liquid cooling.

Capacity
Up to 10MW

Stainless steel pipework
Precision engineered using corrosion-resistant stainless steel for minimum maintenance and maximum longevity.

Dual hygienic flanged connection points
Installation flexibility with hygienic flanged connection points on top and/or bottom of unit.

Built-in electrical redundancy
Dual power feed connections with a built-in Automatic Transfer Switch (ATS) for complete electrical redundancy.

Remote monitoring and diagnostics
Evaluate system performance and diagnose issues in real-time with remote monitoring from the local BMS or Excool HQ.

In-built controls redundancy
UPS-backed controls system, providing comprehensive visibility and immediate response to black building events.

Hot-swappable componentry
Minimise operational downtime with hot-swappable fluid filtration system and pump components.

Fluid integrity monitoring
Intelligent fluid quality monitoring providing frequent system health check and diagnostics.

Versatile compatibility
Deionised water, Propylene Glycol water and Ethylene Glycol water mixtures.

Customisable
Customisable to your requirements, such as frame size, PHE, pumps and pipework.

Easy servicing and maintenance
Washable inline filters allow coolant to be refilled into the system, not wasted.

High-density cooling for HPC and AI
Specifically designed for high-performance computing and AI applications.

Lightning fast response
Immediate control of instantaneous AI load activation through integrated system communication.

Intelligent controls package
Optimised group control with an advanced operational sequence, giving precise thermal stability at the highest efficiency.

Versatile operation
Expansion vessel fitted to allow for a range of operational temperatures depending on computational requirements.

Cost-efficient investment
With low CapEx requirements, we provide a financially accessible solution without compromising on quality or functionality.

modulR™ CDU

Model	EX-CDU-400
Maximum flow rate	317 GPM
External pressure drop	50psi
Approach temp delta	3.6degF to 7degF
Number of pumps	2 (N+1)
Frequency	50Hz/60Hz
Phases	3 + N + E
Compatible fluids	Glycol, DI water
Maximum power input	10kW
Primary/secondary filtration	From 20-500µm
Primary/secondary pipework	Flanged, top and/or bottom
Dimensions	Height: 80in Depth: 47in Width: 35in
Dry weight	1984lbs
Operating weight	2425lbs

Model	EX-CDU-1000
Maximum flow rate	571 GPM
External pressure drop	50psi
Approach temp delta	3.6degF to 7degF
Number of pumps	2 (N+1)
Frequency	50Hz/60Hz
Phases	3 + N + E
Compatible fluids	Glycol, DI water
Maximum power input	20kW
Primary/secondary filtration	From 20-500µm
Primary/secondary pipework	Flanged, top and/or bottom
Dimensions	Height: 80in Depth: 47in Width: 47in
Dry weight	3307lbs
Operating weight	3969lbs

Please note this data sheet represents maximum values with all components operating at 100% capacity. This data sheet is not based on any specific outdoor ambient condition.