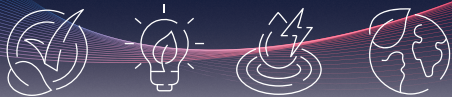


EXCOOL CDU DATA CENTER COOLING SOLUTION

Precision engineered liquid cooling.



Capacity

400kW - 2000kW

Premium stainless steel construction

Precision engineering using premium stainless steel ensuring corrosion resistance and longevity.

Dual hygienic flanged connection points

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

High-density cooling for HPC and AI



Specifically designed for current and future 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.



Frame size 1: 400kW - 800kW

Model	EX-CDU-400
Maximum flow rate	20 L/s
External pressure drop	350kPa
Approach temp delta	2 - 4 °C
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 connections	Flanged, top and/or bottom
Dimensions	Height: 2038mm Depth: 1200mm Width: 900mm
Dry weight	900kg
Operating weight	1100kg

Frame size 2: 800kW - 2000kW

Model	EX-CDU-1000
Maximum flow rate	36 L/s
External pressure drop	350kPa
Approach temp delta	2 - 4 °C
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 connections	Flanged, top and/or bottom
Dimensions	Height: 2038mm Depth: 1200mm Width: 1200mm
Dry weight	1500kg
Operating weight	1800kg

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.