

GigaModular™

Coolant Distribution Unit

Up to 14MW of high-density direct-to-chip liquid cooling future-proofed with modular scalability



Centralized, modular, scalable

GigaModular™ is the industry's first scalable, modular CDU built on a future-proof platform for expanding liquid cooling capacity. Deploy it fast, scale it on demand, and operate with ease thanks to centralized control, simplified service, and a pay-as-you-grow model — purpose-built for AI, HPC, and hyperscale data centers.

Scalable from 2.5 to 14MW, GigaModular CDU delivers right-sized cooling for any data hall.

Purpose-built to help operators scale AI capacity faster, more efficiently, and with less deployment friction.

CENTRALIZED INTELLIGENCE



Simplified operations at scale

SYSTEM-LEVEL SCALABILITY



Coordinated Infrastructure expansion

FLEXIBLE DEPLOYMENT



Adaptable to evolving AI environments

FUTURE-READY



Scale for next generation GPUs

Right-sized to any datahall with modular building blocks



CONTROL MODULE

Redundant centralized system level control

- Features
- Dual concurrently maintainable controller redundancy to maximize uptime
 - Two-way Media Redundancy Protocol (MRP) ring network ensures uninterrupted control
 - Controls up to 8 pump modules

- Options
- Modbus, SNMP, Restful API with Redfish or BACnet

PUMP MODULE

Scalable cooling capacity from 2.5 to 14MW

- Features
- Maximum capacity 2.5MW/module at 4C ATD
 - Dual pumps supplying 3750 lpm at 3.5 bar available
 - Dual 25um strainers
 - Dual 316 stainless steel plate heat exchangers
 - Built in rope leak detection and stainless steel drip pan
 - TCS EM Flow Meter

- Options
- Choice of CCV, PICV or ePICV
 - External ATS and Harmonic Filter
 - FWS EM Flow Meter

HYDRONICS MODULE

Optional add-on module supporting system hydraulics

- Features
- 300L expansion tank
 - Stainless steel fluid make-up reservoir
 - Refill pump with integrated level monitoring
 - PSV (Pressure Safety Valve)

PUMP MODULE

Part Number	D1PM20-P	
Dimensions (HxWxD)	2285 x 1200 x 1250 mm	90" x 48.2" x 49.2"
Service Access	Front/Rear or Front/Side	
Ambient Temperature Conditions	10 to 45 °C	50 to 104 °F
Ambient Humidity	10 to 85% (non-condensing)	
Certifications	ETL and CE certified to conform with UL and IEC 62368-1, RoHS, REACH	
Nominal cooling capacity @ 4C ATD	2.5 MW	
Nominal Flowrate	3750 lpm	990 gpm
Max Available Head	3.5 bar	50 psi
Primary Fluid Type	Chilled water or glycol mixture	
Secondary Fluid Type	Treated water or glycol mixture	
Water Inlet Temperature	W17 to W45	
Primary and Secondary Connections	6" sanitary flange	
Secondary Filtration	25µm	
Power Input	380 – 480V, 3 Phase, 50/60Hz	
FLA / MCA / MOCP	90A / 113A / 125A	
Nominal Power Consumption	52kW	

CONTROL MODULE

Part Number	D1PM20-C	
Dimensions (HxWxD)	2285 x 600 x 1250 mm	90" x 23.6" x 49.2"
Service Access	Front	
Certifications	ETL and CE certified to conform with UL and IEC 62368-1, RoHS, REACH	
Communication	Modbus, Restful API with Redfish, BACnet, SNMP	
Max Grouping Qty	8	
Controller Redundancy	N+N	
Power Input	Dual Feed 380 – 480V, 3 Phase, 50/60Hz	
FLA / MCA / MOCP	2.5A / 3A / 15A	
Nominal Power Consumption	1kW	

HYDRONICS MODULE

Part Number	D1PM20-H	
Dimensions (HxWxD)	2285 x 625 x 1250 mm	90" x 24.6" x 49.2"
Service Access	Front	
Certifications	ETL and CE certified to conform with UL and IEC 62368-1, RoHS, REACH	
Expansion Tank	300L	
Fluid Make-up Reservoir	120L	
Power Input	Dual Feed 380 – 480V, 3 Phase, 50/60Hz	
MOCP	15A	