

COOLING SYSTEM DATASHEET

SOETECK · LIQUID COOLING & CDUS

Soetec Modular Dry Cooler for Liquid Cooling

Modular V-coil dry cooler from 10 kW to 2,000 kW for liquid-cooled data centre heat rejection

SKU ST-MDC

Soetec



COOLING CAPACITY
up to 2,000 kW

COOLING CAPACITY
RANGE
10 kW – 2,000...

COIL DESIGN
V-shaped heat...

PRICE
On request



REQUEST A QUOTATION ONLINE

serverinvest.com/product/soetec-modular-dry-cooler



01 Product overview

The Soetec modular dry cooler rejects heat from a liquid cooling loop to outdoor air without consuming water in normal operation. It is the outdoor end of a cold-plate or immersion system: warm coolant returning from CDUs passes through finned coils, while fans draw ambient air across them, so the fluid returns to the data hall at the design temperature.

Capacities span from 10 kW for small edge sites up to 2,000 kW for large AI and HPC installations. The coils are arranged in a V shape, which lowers air-side resistance and fluid pressure drop while packing a large heat-exchange surface into a smaller unit, saving roof or yard space.

Design and control

Modular structure that can be assembled and taken apart quickly on site, simplifying transport and installation.

Stepless speed-regulated, low-noise fans that adapt in real time to load and ambient temperature, reducing power draw.

Main components accessible for service and replacement.

Integrated controller that keeps supply water temperature within the design range automatically.

RS485 interface with Modbus protocol as standard for BMS or DCIM integration.

For hot climates or peak summer conditions, an optional adiabatic spray kit pre-cools the inlet air to raise heat-rejection performance. Because liquid-cooled IT tolerates relatively warm coolant, a dry cooler can cover much of the year in free-cooling mode, reducing reliance on mechanical chillers.

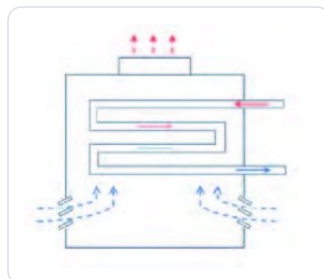
ServerInvest sizes, supplies and integrates dry coolers with the matching...

KEY SPECIFICATIONS

Cooling capacity range	10 kW – 2,000 kW
Coil design	V-shaped heat-exchange coil
Fans	High-efficiency, low-noise, stepless speed control
Construction	Modular, on-site assembly/disassembly
Control	Integrated controller, automatic water temperature regulation
Communication	RS485, Modbus
Options	Spray (adiabatic) components

HIGHLIGHTS

- Cooling capacity range from 10 kW to 2,000 kW
- V-shaped coil: low air resistance and compact footprint
- Stepless speed-controlled, low-noise fans
- Modular frame for fast on-site assembly and disassembly
- Integrated controller with RS485 / Modbus
- Optional spray system for extreme ambient conditions



02 Full specifications

KEY SPECIFICATIONS

Cooling capacity range	10 kW – 2,000 kW
Coil design	V-shaped heat-exchange coil
Fans	High-efficiency, low-noise, stepless speed control
Construction	Modular, on-site assembly/disassembly
Control	Integrated controller, automatic water temperature regulation
Communication	RS485, Modbus
Options	Spray (adiabatic) components

03 Engineered, delivered & supported by ServerInvest

Engineering & sizing

Selected and sized against your real IT load, room and redundancy targets.

Installation

Delivery, installation and commissioning by our engineers across Europe.

Certified processes

ISO 9001, ISO 14001 and ISO 27001 certified project delivery.

Service & support

Maintenance, spare parts and support from a single partner.



Interested in this solution?

Request a quotation online or talk to a solutions engineer — we reply within one business day.
office@serverinvest.com

