

A dynamic, high-speed photograph of a water splash, creating a sense of movement and freshness. The water is captured in various stages of splashing, with droplets and streams of water visible against a light blue background. The overall tone is clean and refreshing, emphasizing the liquid nature of the product.

Liquid Cooling Products and Solutions

CorefloX

COREFLOX SG PTE. LTD.



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Company Profile

CorefloX is a technology-leading ICT cooling product and solution provider, integrating industrial research and development, solution provision, and full lifecycle services of cooling technology into one high-tech manufacturing enterprise.

At CorefloX, our mission is to deliver innovative cloud solutions to International Hyperscaler and Colo. By providing our scalable cooling infrastructure to operate efficiently and securely, we are committed to stay agile in the face of change, turning challenges into opportunities for growth.

Cold Plate Liquid Cooling Product Series-CF-DSO

DSO (Outdoor Dual-Cooling-Source) CF-DSO-1000



Product Feature

- **High Energy Efficiency:** Year-round free cooling; in some application scenarios, chillers can be turned off for ultra-low energy consumption.
- **High Water Efficiency:** Air is used as the cooling medium, saving water resources.
- **High Reliability:** Continuous operation for 24 hours a day, 365 days a year, with a service life of no less than 10 years.
- **High Intelligence:** Multi-mode control, supporting various control modes such as cold standby, hot standby, single machine, group control, local, and remote. Multiple devices can automatically form a network for group control management.
- **High Adaptability:** Wide range of cooling capacity and temperature regulation, supporting dynamic air-to-liquid ratio.
- **High Flexibility:** In addition to the standard configuration, various additional functions are available. Flexible options for pipe direction, filtration grade, communication protocol, etc.
- **Modular Design:** Modular design, supporting modular assembly and high integration.
- **Easy Maintenance:** Rational internal layout for easy maintenance, with the capability for online automatic fluid replenishment.
- **Communication Methods:** Supports RS485 serial port and RJ45 network port.
- **Communication Protocols:** Supports standard protocols such as Modbus, TCP, UDP.
- **High Cleanliness:** Sanitary-grade piping, capable of direct liquid cooling supply

DSO (Outdoor Dual-Cooling-Source)**CF-DSO-1000**

<i>Configuration</i>	<i>Dry Cooler</i>	<i>Mechanical Cooling</i>
<i>Length (mm)</i>	8000	2000
<i>Width (mm)</i>	3000	≤3000
<i>Height (mm)</i>	3000	≤3000
Rated Conditions		
<i>Rated Heat Transfer Capacity</i>	700 (liquid cooling)	300 (air cooling)
<i>Cooling Medium</i>	Water	Water
<i>Rated Flow Rate (m³/h)</i>	60	30
<i>Flow Resistance (kPa)</i>	≤100	-
<i>Ambient Temperature(°C)</i>	35	35
<i>Supply Liquid Temperature(°C)</i>	40	18
<i>Return Liquid Temperature(°C)</i>	50	26
<i>External Pipe Interface</i>	DN100 flange	76.1 mm chuck
<i>Maximum Power Consumption (kW)</i>	38.4	90
<i>Communication Interface</i>	RS485, RJ45	RS485, RJ45
<i>Communication Protocol</i>	MODBUS RTU and MODBUS	MODBUS RTU and MODBUS
<i>Power Specification</i>	AC380V/3/50HZ	AC380V/3/50HZ
<i>Cooling Form</i>	Air cooling (EC fans)	Water cooling
<i>Noise Level (dB(A))</i>	75 (measured 15m from the dry cooler, 1.5m high)	75 (measured 15m from the dry cooler, 1.5m high)
<i>Product Net Weight (kg)</i>	3000	1000
<i>Product Color</i>	RAL9005 (customizable based on customer requirements)	RAL9005 (customizable based on customer requirements)

- The air-to-liquid ratio can be automatically adjusted based on the actual customer situation.
- Technical parameters can be selected and supported according to the customer's application conditions.
- The image is for illustration purposes only and does not represent the actual product.



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