

A dynamic, high-speed photograph of a water splash, creating a sense of movement and freshness. The water is captured in mid-air, with various droplets and streams visible against a light blue background.

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 -CF-BCDU

Rack Level CDU CF-BCDU-30/80/140



Product Feature

- **High efficiency energy saving:** Annually free cooling ultra low energy consumption
- **High Maintainability:** Pumps support online hot-swapping
- **High reliability:** Key components redundancy, condensation protection, dual power input, leakage detection, 24 hour X 365 day, continuous life cycle more than 10 years
- **High availability:** Wide range cooling capacity, pressure drop adjustable, step-less control
- **High cleanliness:** Hygiene pipe with fine filtration
- **Communication:** RS485, RJ45
- **Protocol:** Modbus, TCP, UDP

Rack Level CDU

Model	CF-BCDU-30	CF-BCDU-80	CF-BCDU-140
Rated heat transfer capacity kW	30	80	140
Net Weight kG	60	100	140
H x W x D mm	177 × 447 × 900	177 × 447 × 900	177 × 447 × 900
Power supply	AC220/DC48	AC220/DC48	AC220/DC48

Secondary Loop Technical Data

Coolant	DI water/PG25	DI water/PG25	DI water/PG25
Rated supply/return temperature °C	40/55	40/55	40/55
Rated supply/return pipe connection	1" chuck	1" chuck	1.25" chuck
Rated liquid flow rate L/min	31	82	135
Max. Pressure bar	6	6	6

Primary Loop Technical Data

Coolant	DI water/PG25	DI water/PG25	DI water/PG25
Rated supply/return temperature °C	35/50	35/50	35/50
Rated supply/return pipe connection	1" chuck	1" chuck	1.25" chuck
Allowable coolant supply temperature range °C	8-35	8-35	8-35
Max. Pressure bar	10	10	10

- According to the actual load of the customer, the temperature, pressure drop and flow rate of the secondary loop can be adjusted automatically.
- CDU technical data can be calculated according to the customer's real conditions.
- Pictures for reference only



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