



Coolant Distribution Unit (CDU)

Industrial liquid cooling

The CDU as an active supply system

developed and manufactured in central Europe
with decades of experience in automotive testing operations

for new
construction or
retrofitting
compact
in-row-design



ABOUT US

We develop industrial systems for thermal applications where reliability and operational safety are critical.

Our engineering is based on proven experience in continuous-duty liquid conditioning, complex test environments, and industrial plant engineering.

For customers, this means structured project execution, clear responsibilities, and solutions designed for stable long-term operation.

Let's discuss your requirements and the technical implementation.

Your contacts



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Performance Parameters

- ▶ Temperature range
RT up to + 70 °C
- ▶ Cooling capacity 100 kW up to 2 MW
Further power ratings on request



**more
information**

Technical Specifications

- ▶ Flow monitoring
on primary/secondary side
- ▶ Temperature monitoring
on primary/secondary side
- ▶ Redundancy concept
depending on selected option
- ▶ Consumer pump
2 x 50 % with external pressure loss of 3 bar
frequency-controlled
- ▶ Medium
water, glykol/water or
DI-water (optional)

KEY BENEFITS

Scalable & efficient standard solutions

optimised for high-density applications and maximum energy efficiency

Precision in every controlled variable

intelligent control of temperature, pressure, differential pressure, volume flow or dew point

Audit-Ready: seamless measurement data acquisition

for verification of efficiency and operating targets

Maximum operational safety

solution-focused redundancy concepts for uninterruptible cooling

Seamless Integration

simple connection to BMS/DCIM via standardised interfaces (BACnet, SNMP, MQTT, Modbus TCP/IP, OPC UA, etc.)

Industrial Standard

maintenance-friendly architecture with Siemens S7 / Industrial PLC

Green-IT Ready

option to add a heat recovery system and heat pump

- ▶ Leak monitoring
Pressure loss monitoring
- ▶ Connection/interfaces
Target/Actual and error message via interface
(BACnet, SNMP, MQTT, Modbus TCP/IP OPC UA, etc.)
- ▶ Pressure control
Flow pressure and differential pressure control on secondary circuit side
- ▶ Maximum pressure limitation
Flow pressure limitation on secondary circuit side
- ▶ Power-Load-Anticipation
Productive power adjustment for dynamic load jumps



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certified according to

DIN EN ISO 9001:2015

DIN EN ISO 14001:2015

