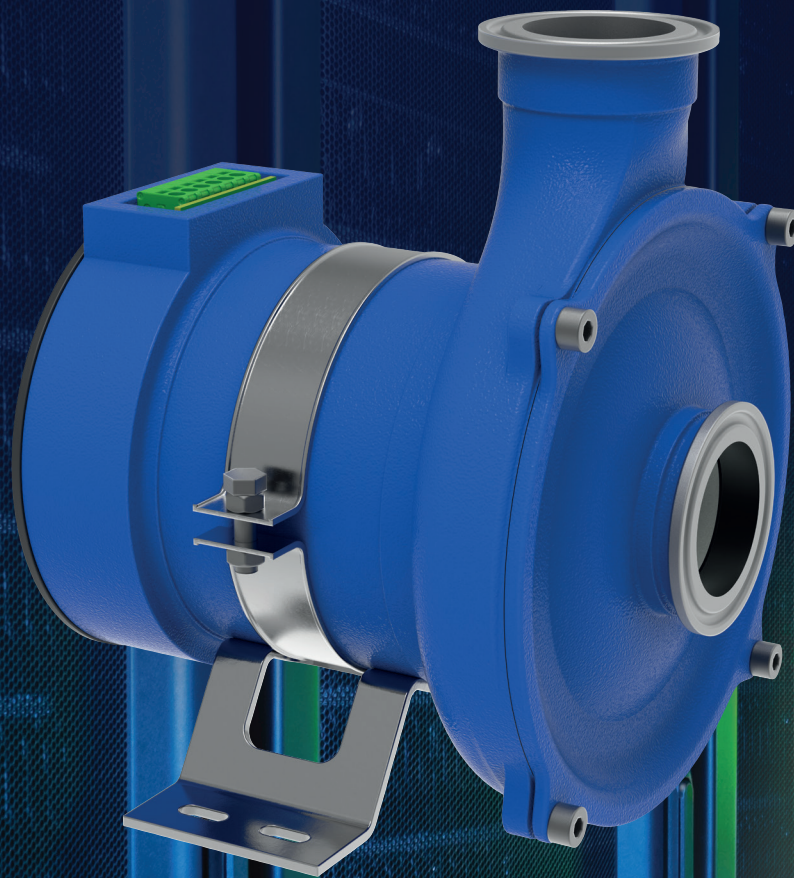




AI-READY COOLING PUMPS

CDU-Native. Reliable by Design.



AI-Ready Cooling Pumps

Next-Gen TDP Ready

Built for next-generation AI infrastructure, our platform delivers scalable performance and seamless CDU integration, supporting evolving chip architectures.



SCALABLE PUMP PLATFORM

Aligned with current and future chip architectures



MAXIMUM PERFORMANCE, MINIMAL FOOTPRINT

Engineered for high-density AI clusters



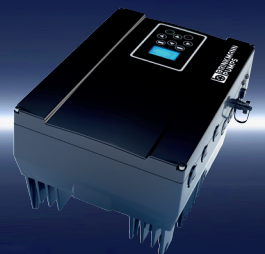
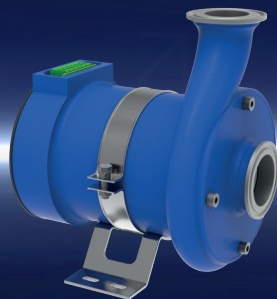
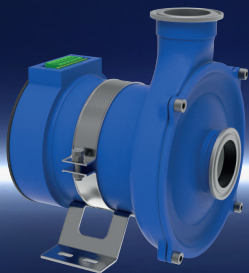
CDU-NATIVE

Purpose built for CDU and cooling loop integration, no matter the liquid

Protecting Sensitive IT Assets

Designed to protect sensitive IT infrastructure by minimizing vibration that can impact equipment and ensuring fluids remain securely contained within the pump system.

- Seal-less pumps for leak-free operation
- Silent and vibration minimized
- Bearing-free motor designs eliminate a primary wear component
- Engineered for continuous duty



PUE & Sustainability Optimized

Data centers consume an increasing share of global power, with energy costs making up a significant portion of operations. High-efficiency pumps lower overall power usage for more sustainable operations and improve cooling performance.

- Industry-leading wire-to-water efficiency across the entire operating range
- Avoid motor-fan losses with liquid-cooled motors
- Achieve PUE and sustainability targets faster

Digitally Integrated

Transform your pump system with Brinkmann's digital ecosystem — improve reliability, gather real-time insights, and generate measurable energy.



FULL TRANSPARENCY

Full transparency into pump health and system performance



MEASURABLE

Measurable energy savings



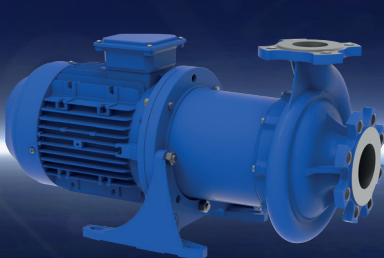
PREDICTIVE MAINTENANCE

Enables predictive maintenance and service-based value offerings



MAXIMUM SECURITY

Maximum security on-premise

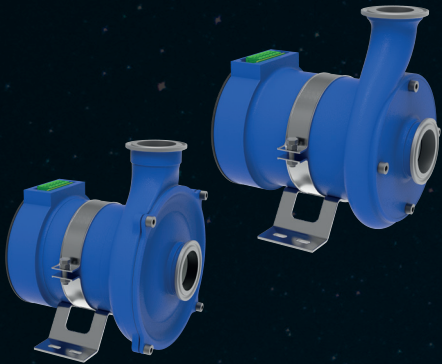




AI-Ready Cooling Pumps

Rack

DCC120 | DCC200 | DCC300



Optimized for In-Rack CDUs and AI Workloads

- Maximum performance, minimal footprint
- Integrated VFD and PM motor for industry-leading efficiency across the full operating range
- Liquid-cooled motor reducing heat emissions into the CDU

Seamless Integration & Control

- Built-in real-time monitoring for full transparency
- Modbus connectivity for plug-and-play CDU integration
- Coordinated multi-pump control

Long-Term Reliability

- Leak-proof design and silent operation
- Non-degrading components – protecting microchannels and maintaining long-term fluid purity
- Tri-clamp connections for fast installation and simplified service

Row & Gallery

DCO1300-2500 | IH11-17



CDU-Native Design Tailored to Your System

- Engineered to deliver precise pressure to cold plate even with varying piping layouts
- Multiple footprint options to fit CDU space constraints

Efficiency & Intelligent Control

- VFD-ready IE3 – IE5 motors for industry-leading efficiency, especially under low loads
- Optional liquid-cooled motor eliminating motor-fan losses
- Native integration with Brinkmann's digital ecosystem for real-time asset control

Reliable by Design

- Seal-less design options eliminating leaks and related maintenance
- Long service life with low noise and vibration
- Service-friendly design with motor separation interface

Immersion

STC | TVG | HEF



Dielectric-Optimized Performance

- Designed for single- and two-phase immersion systems
- Options for mineral oils and synthetic dielectric fluids, including higher viscosities
- Tank-mounted pumps require no seals and related maintenance

Efficient & Stable Operation

- VFD-ready IE3 – IE5 motors for industry-leading efficiency, especially under low loads
- Low vibration and noise for stable tank conditions
- Native integration with Brinkmann's digital ecosystem for real-time asset control

Long-Term Fluid Purity

- Non-degrading, corrosion-resistant components to preserve fluid-cleanliness
- Non-degrading components to preserve fluid cleanliness
- Service-friendly design with motor separation interface

2-Phase

BMK3 | BMK4



Designed for Phase-Change Environments

- Seal-less designs to eliminate leakage of critical refrigerants
- Peripheral impeller geometry capable of handling gas-liquid mixtures
- Application specific impeller options reducing cavitation risk under varying load conditions

Precise and Reliable Flow

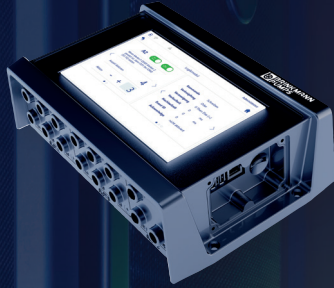
- Built-in real-time monitoring and CDU connectivity for full transparency
- Multi-pump coordination for added redundancy

Built to Protect Sensitive IT Equipment

- Low noise and vibration for long-term reliability
- Non-degrading, corrosion-resistant components to preserve fluid-cleanliness
- Designed for continuous operation in high heat-flux AI and HPC environments



Smarter Pumps Through Digital Integration



bpllogic

Plug-and-Play Pump Control

- Coordinated multi-pump operation with built-in redundancy strategies minimizing thermal spikes
- Precise flow and pressure control for stable coolant delivery
- Data driven energy optimization
- Open platform architecture enabling CDU integration through Modbus RTU, Profibus, TCP/IP, and others
- Foundation for value-based service offerings

Smart & Simple Condition Monitoring

- Compact, calibration-free 4-in-1 multi-sensor adapter with minimal installation effort
- Continuous monitoring of critical operating parameters
- Enabling insights into pump health and abnormal operating conditions such as cavitation, pressure spikes, or elevated air content



bpsense



bproductive

Mobile Monitoring & Support App

- Pump fleet management via smartphone or on-premise via CDU integrated UIs
- Direct issue reporting for fast troubleshooting
- Instant access to manuals and technical documentation



 Locations

 Representatives



Brinkmann Pumps

Keeping It Cool Since 1950

- Global presence with subsidiaries in the U.S. and Japan
- Representation in 20+ international locations
- Dedicated PhD-level engineers ready to take on demanding liquid cooling challenges
- Tailored solutions for glycol-based, dielectric, refrigerant, and specialty fluids

Proven Performance

- Thousands of pumps installed in demanding environments:
 - Industrial machinery
 - e-mobility
 - Power electronics
 - Laser cooling
 - Precision optics applications
- Engineered for continuous, high-reliability operation

Engineering Excellence

- Advanced material expertise — protecting microchannels and maintaining long-term fluid purity
- Proprietary hydraulic and motor design expertise
- Multiphase fluid handling expertise
- Specialized sealing architectures (magnetic coupling, wet-rotor designs)
- ISO 9001 certified, comprehensive testing abilities and regulatory compliance (CE, UL, EMC)



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