

GATES® THERMALCOOL™ ALUMINUM PUMP

FOR DATA CENTERS

High-power, compact and efficient flow for advanced liquid cooling.

- 4U rack compatible
- Engineered for parallel operation in N+1 configurations
- Flow rates up to 200 L/min
- Multiple communication protocol options

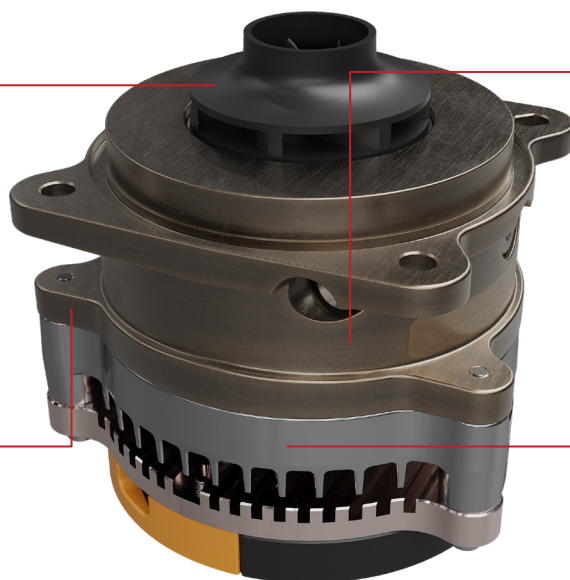


OPEN
Compute Project

SOLUTION PROVIDER®

As an **OCP Solution Provider**, Gates is actively engaged in delivering, integrating, and supporting OCP-aligned solutions within the broader ecosystem giving our customers access to modern infrastructure technologies and the expertise, supply chain alignment, and strategic guidance needed to deploy them successfully at scale.

Purpose-built for data centers: Unlike industrial pumps adapted for CDU service, the Gates W250010-400 was developed specifically for modern liquid cooling architectures.



Cost-optimized design: Nickel-plated aluminum construction delivers high hydraulic performance at lower system cost.

Scalable architecture: Parallel pump capability enables N+1 redundancy and future cooling capacity expansion.

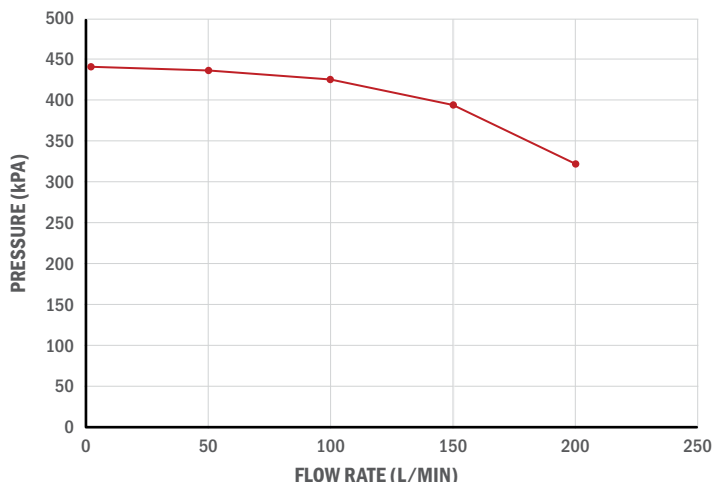
Easy integration: Light weight, small footprint, configurable volute, and flexible mounting options simplify integration into CDU systems.

Manifold / direct mount configuration shown. Also available with attached volute.

ALUMINUM PUMP TECHNICAL DATA

PARAMETER	VALUE
Model	W250010-400
Maximum flow	~200 L/min
Maximum pressure drop	4.5 bar
Input voltage	48 VDC
Motor power	2.1 kW
Maximum current consumption	44 A
Communication	CANBUS / PWM / MODBUS
Maximum RPM	7,000
Ingress protection	IP55
Maximum coolant temperature	149 °F (65 °C)
Maximum ambient temperature	122 °F (50 °C)
Weight	12 lb (5.5 kg)
L x W x H	165 mm x 163 mm x 182 mm
Motor cooling	Natural convection or forced air
Wetted materials	Nickel plated aluminum
Mounting	Chassis or Manifold
Hydraulic curve	Configurable
Pump life	44,000 hrs

PUMP HYDRAULIC PERFORMANCE



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