



Tate Liquid Cooling Manifolds

Precision-engineered liquid cooling for scalable high-density performance and faster data center deployment



PRODUCT OVERVIEW:

Tate Liquid Cooling Manifolds are fully integrated cooling distribution systems designed for hyperscalers, colocation providers, enterprise data centers, architects, engineers, and facility operators deploying AI, HPC, and GPU infrastructure. Factory-tested and installation-ready, they deliver precise coolant distribution to improve energy efficiency, support higher rack densities, and reduce operational risk.

KEY BENEFITS

Maximize AI Infrastructure Performance

Deliver precise direct-to-chip liquid cooling for high-density workloads to enable higher rack densities and increased compute capacity per square foot

Reduce Operational Risk

Improve reliability with pressure-tested, fully traceable assemblies, integrated flow controls, and durable stainless steel construction.

Accelerate Data Center Deployment

Factory-tested, prefabricated manifolds arrive installation-ready for reduced on-site labor, commissioning time, and project complexity

Scale with Confidence

Support future growth with modular, configurable solutions backed by global manufacturing capacity.

Adapt to Any Environment

Support new builds, retrofits, and future expansion with modular designs, flexible configurations, and single-source delivery.

TATE LIQUID COOLING MANIFOLDS BY THE NUMBERS:

- Over **6,000 liquid cooling manifold pairs** delivered globally
- Approximately **200 units** per week sustained production capacity for hyperscale deployments
- More than **29 miles** of manifolds installed worldwide
- **90 PSI** pressure-hold testing (1.5x operating pressure) for validation and reliability
- **3 million square feet** of global manufacturing floor space
- Support for AI, HPC, and GPU-driven high-density environments
- Backed by **60+ years** of data center engineering expertise

Tate | The Home of Data

Click [here](#) to learn more about Tate Liquid Cooling Manifolds

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