LIQUID COOLING

Manifolds

Liquid cooling manifolds are engineered distribution components that direct coolant from a central supply to multiple server inlets and outlets within high-density IT racks.

Designed for precision and scalability, they enable direct to chip cooling in AI ready data centres.

Manifolds enable liquid distribution, resulting in higher cooling efficiency, improved system reliability, and the ability to support growing rack power densities.

Tate can design and supply the full liquid cooling loop from the CDU to the rack and back.

TECHNICAL SPECIFICATIONS

Material:	Stainless Steel 304
Pipe Diameter:	50-200mm
Isolation Valve:	Included
Control Valve:	As per customer Specification
Connections:	Flanges to ASME or EN/DIN, and Triclamps to ASME BPE

SPECIFICATIONS

- Integrates with Tate HAC and Ceiling systems.
- Cleaned and flushed to 25 microns.
- Compatible with a wide range of cooling liquids.
- Supports extensive range of operating pressures.

Identification & Tracability

Fully traceable from supply to site, giving you access to material certificates and inspection reports.

Flushing

Pressure and leak tested in a factory controlled setting prior to shipping, ensuring a leak free performance.

Mounting

We offer floor mounted retrofit options, ceiling supported or by Tate Structural HACs.

Production Capacity

Scaleable in house production capacity ensures on-time delivery.

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