

Intelligent Cold Aisle Immersion Liquid Cooling Supplier



AI Overview

Leading suppliers of intelligent cold aisle immersion liquid cooling include LiquidStack, Submer, Vertiv, and Asperitas, offering scalable, energy-efficient solutions for high-density data centers and AI workloads.

Key Suppliers and Offerings

LiquidStack provides advanced liquid cooling solutions, including single-phase and two-phase immersion systems, as well as direct-to-chip cooling with capacities up to 252 kW per unit. Their solutions are designed for high-density workloads such as generative AI, hyperscale computing, and cryptocurrency mining. LiquidStack also offers consulting, installation, training, and lifecycle maintenance to optimize performance, energy efficiency, and sustainability metrics like PUE, WUE, and ERF, while enabling heat reuse for district heating or industrial applications.

Submer specializes in engineered hardware for liquid-cooled data centers, including immersion cooling pods and DLC systems. Their SmartPod EVO platform allows rapid deployment and scaling from kilowatt to gigawatt levels. Submer emphasizes modularity, co-design capabilities, and operational efficiency, providing pre-engineered building blocks for AI-ready infrastructure and high-density workloads.

Vertiv offers a range of liquid cooling options, including rear-door heat exchangers, direct-to-chip cold plates, and immersion cooling systems. Their solutions integrate with existing air-cooling infrastructure and include leak detection, dielectric fluids, and heat recovery strategies. Vertiv supports complex designs and provides technical guidance, enabling organizations to manage high thermal loads while maintaining reliability and energy efficiency.

Asperitas combines Directed Forced Convection (DFC) technology with immersion cooling fluids to deliver next-generation immersion cooling. Their systems allow targeted thermal management within server chassis, i...

Article Content

Liquid Cooling in Data Centers Explodes in 2026: How

AI-driven power densities are making liquid cooling essential. Cold plate cooling leads today, while immersion cooling shapes the future of high

Liquid Cooling Solutions

Soetec Liquid Cooling Solutions are ideal for high-performance setups like dense data centers, covering cold plate, immersion, and spray types.

Top Liquid and Immersion Cooling Vendors for High

Here is an alphabetical list of the top liquid and immersion cooling vendors for high-density racks. Explore which vendors offer the best solution for

LiquidCool Solutions: Immersion-Cooled Rack Servers

Meet soaring compute demands efficiently with LiquidCool Solutions' versatile, immersion cooling for high-performance GPU dense servers. Perfect for data

Advanced Liquid Cooling Solutions Provider | LiquidStack

Data centers and High Performance Compute (HPC) organizations rely on LiquidStack for advanced, high-density liquid, direct-to-chip and immersion,

Stulz: Liquid Cooling Solutions for Data Centers

Your partner for integrated liquid cooling infrastructures. Discover direct-to-chip and immersion cooling for high-performance computing and data centers.

Datacenters that make sense | Liquid Cooling at Scale | Submer

Company specializing in immersion liquid cooling solutions for data centers. We create liquid-cooled datacenters that scale smarter, run cleaner and cost less.

Immersion Cooling Solution for Sustainable AI Data

Built for high-density AI data centers, NADDOD immersion cooling solutions provide a scalable, sustainable way to datacenter thermal management, ensuring

Key Connector Considerations for Air-Cooled and Liquid

The best PDU/PSU connectors for liquid-cooled data centers The evolution of immersion and liquid cooling is introducing new demands for

Data Center Cooling Solutions | Liquid & Immersion

Intelligent air cooling with hot/cold aisle containment and variable speed EC fans. Optimized for traditional and moderate-density deployments. Full server immersion in dielectric fluid for ultimate

The Four Techniques You Need to Know to Cool AI

There are four base design options for liquid cooling to consider: traditional hot/cold aisle containment, rear-door heat exchangers, direct-to-chip

Top 10: Liquid Cooling Companies | Data Centre Magazine

DCX Liquid Cooling Systems is a global manufacturer offering an extensive range of sustainable liquid cooling solutions, including both direct liquid

Top 25 Immersion Cooling Companies to Watch in 2025

To gain comprehensive benchmarks, actionable segmentation, and advanced regional insights, access the full Immersion Cooling Market by Cooling

Data Center Liquid Cooling Solutions | LiquidStack

Ultra-compact, sustainable and highly efficient liquid cooling solutions for data centers. Learn about our data center cooling systems here and get in touch!

Top 100 Immersion Cooling Companies in 2026 | ensun

Immersion cooling is a method of cooling electronic components by submerging them in a thermally conductive liquid. This liquid effectively absorbs heat generated by the components, allowing for

Performance improvement of high-density data center via two-phase ...

This paper introduces two distinct approaches for efficiently cooling high-density data centers with a capacity of up to 1168 kW, aiming to achieve the optimal cooling method for extracting

Deploying liquid cooling in the data center

Liquid-to-air CDUs do not require a chilled water supply to provide liquid cooling to the rack, but rather provide an independent secondary fluid loop to the rack and reject heat to the data center.

Immersion cooling systems: Advantages and

Immersion cooling (see Figure 2) is a liquid cooling method in which servers and other rack components are submerged in a thermally conductive

Top 17 Immersion Cooling Fluids Companies to Watch in 2025 and

Explore the rapidly evolving immersion cooling fluids market as we spotlight 17 leading companies shaping innovations in data center and high-performance computing thermal management.

Best Liquid Cooling Providers for AI Data Centers 2026

Compare direct-to-chip, immersion, CDU, and facility-scale liquid cooling providers for AI data centers by validation, retrofit risk, and buyer caveats.

Liquid Cooling | Center of Expertise for Data Center

Liquid cooling is highly valuable in reducing energy consumption of cooling systems in data centers. We survey the landscape on different deployments of liquid

Liquid & Immersion Cooling in Colocation

Discover how colocation sites are adapting to liquid and immersion cooling in 2025. Learn why these technologies are essential for AI, HPC, and

Data Centre Cooling Systems

Data Centre Cooling Systems Our data centre cooling systems are intelligent, scalable and energy efficient. They include DX (direct expansion) systems using

Immersion Cooling Module Liquid Cooled Containers

Overviews The "AlCoolit" liquid container solution from Soetec adopts a full chain integrated delivery mode of "factory prefabrication on-site quick connection+intelligent operation and maintenance",

Datacenter Products | Building Blocks for AI-Ready

We deliver engineered hardware solutions that power next-generation, liquid-cooled datacenters—driven by our global R&D and engineering expertise. Whether

Data Center Liquid Cooling: The AI Heat Solution

In two-phase immersion cooling, a server is dunked into a vat of liquid. The liquid actively boils next to the heat-producing

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://sky-connect.co.za>

Email: info@sky-connect.co.za

Phone: +44 20 7946 0958

Address: 1 Cornhill, London EC3V 3ND, United Kingdom

This document is for informational purposes only. Specifications subject to change without notice.

