

Cold Aisle Data Center Brands



AI Overview

Leading cold aisle containment brands include Vertiv, Legrand, and Tate Global, offering modular, energy-efficient solutions for modern data centers. Key Brands and Offerings

Vertiv Vertiv, formerly Emerson Network Power, is a global leader in critical infrastructure and thermal management solutions. Their cold aisle containment systems are part of a broader portfolio that includes precision cooling units, Liebert® series CRAC/CRAH units, and Coolant Distribution Units (CDUs). Vertiv solutions are designed for high-density AI and hyperscale data centers, supporting power densities exceeding 100kW per rack, and provide end-to-end integration with power and server management systems.

Legrand Legrand offers modular cold aisle containment systems that create enclosed corridors in front of server cabinets, ensuring cold air is delivered directly to equipment intakes. Their Contain-IT FLEX system uses stock components that can be assembled on-site, supporting scalable deployment and flexible reconfiguration. Legrand emphasizes energy efficiency, predictable airflow, and enhanced equipment reliability, with solutions suitable for a wide range of data center sizes and layouts.

Tate Global Tate Global provides both cold aisle containment (CAC) and hot aisle containment (HAC) systems. Their CAC systems capture cold air from CRAH or CRAC units via underfloor plenums, maintaining effective temperatures for IT equipment. Tate's solutions feature pre-assembled frames, airtight gaskets, ergonomic handles, and customizable panels. They are designed for quick installation, adaptability for future expansion, and compatibility with air, liquid, and hybrid cooling environments.

Benefits of Cold Aisle Containment

- Energy Efficiency:** By isolating cold air and preventing mixing with hot exhaust, containment systems reduce cooling energy consumption and operating costs.
- Consistent Equipment Temperatures:** Cold aisle containment ensures uniform airflow to server inlets, minimizing hotspots and thermal stress.
- Scalability and Flexi...**

Article Content

Data Center Hot/Cold Aisle Containment Systems | Eaton

Keep your server rack aisles cool to prolong network equipment life and data center efficiency. Full scale aisle containment solutions. Modular kits for every edge-of

Hot Aisle vs Cold Aisle Containment Explained (Data

Hot aisle and cold aisle containment are foundational concepts in data center design. When implemented correctly, they improve efficiency, reduce

Hot Aisle vs Cold Aisle Containment Explained (Data

In this guide, we'll break down how hot aisle and cold aisle configurations work, what containment systems do, and why airflow

Hot Aisle Containment | Legrand

Hot Aisle Containment Maximize Data Center Efficiency Legrand hot aisle containment solutions optimize airflow, reduce energy consumption, and ensure peak performance for critical infrastructure.

Hot and Cold Aisle Containment Solutions Ardmac

Get expert hot and cold aisle containment solutions for your data centres with Ardmac. Our tailored approach maximises efficiency.

Best Data Center Cooling Systems 2026

Make informed decisions & find the best Data Center Cooling Systems. Click here to compare prices, features, & verified reviews.

Data Center Hot/Cold Aisle Containment Systems | Eaton

An aisle containment system is a simple way to improve cooling efficiency in hot aisle/cold aisle rack configurations. Essentially creating a room within the aisle,

Hot & Cold Aisle Containment Systems For Data Centers by Cool Shield

Adapt Versatile Aisle Containment Solutions for Both New and Existing Data Centers. Cool Shield™ products provide customers with versatile, turnkey aisle containment systems for new or existing

What is Data Center? Types, Components & How it Works

Hot aisle/cold aisle layouts Liquid cooling (growing fast for AI racks) 6) Monitoring and operations tools Operations teams track: Temperature,

Best Practices Guide for Energy-Efficient Data Center Design

This guide provides an overview of best practices for energy-efficient data center design which spans the categories of information technology (IT) systems and their environmental conditions, data center

What are hot and cold aisles in the data center?

In its simplest form, hot/cold aisle data center design involves lining up server racks in alternating rows, with cold air intakes facing one way and the hot air exhausts facing the other. The

Aisle containment system buying guide

Discover the key factors to consider when choosing a hot aisle/cold aisle containment system. This buying guide will help you understand the features of an aisle containment system, learn the

Cold Aisle Containment in Data Centers | Subzero

Cold aisle containment systems use doors at aisle ends, ceiling panels or lids above racks, and structural frames to create enclosed zones where cold supply air

Data Center Racks, Cabinets & Containment | AMCO

Data Center Hot & Cold Aisle Containment Features: Delivers controlled airflow, prevents hot/cold air mixing, and reduces cooling energy costs across the data

Custom Data Center Containment Solutions

AIRSEAL is 100% focused on designing, manufacturing, and installing the highest quality, best value containment systems for Data Center Hot Aisle and Cold Aisle

Hotter Than a Hot Tub: The 45°C Breakthrough to Cool AI's Biggest ...

Walk into a traditional data center and notice two things: the noise — cooling fans contribute to total noise levels at or above 85 decibels, loud enough to require ear protection — and the physical

Hot Aisle vs. Cold Aisle Containment for Data Centers

Temperature and humidity need to be carefully controlled to protect equipment, minimize failures, and extend the lifespan of your data center

Aisle Containment | Vertiv Hot/Cold Aisle Containment

Find out how to improve your data center infrastructure efficiency, using the cold aisle containment or hot aisle containment solutions from Vertiv.

ChillWRX: Cold Aisle Containment Systems

By maintaining a stable thermal environment, Cold Aisle Containment systems reduce the risk of overheating and equipment failure, ensuring continuous and reliable operation of your data center.

Hot and Cold Aisle Containment Solution | Legrand

Aisle Containment Solutions Why is Containment Important? Effective aisle containment is critical to maintaining peak data center cooling efficiency. By

Hot/Cold Aisle Containment | Data Center Containment

Hot and cold air containment systems designed to maximize cooling predictability, capacity, and efficiency at the rack, row or room level. Get flexible and cost

Hot & Cold Aisle Containment Systems For Data

Cool Shield™ containment offers state-of-the-art hot and cold aisle containment solutions designed to maximize data center efficiency while significantly reducing

Minkels | Brands | Legrand Data Center Solutions English

Aisle Containment Minkels offers Hot & Cold Nexpan Corridors. These "future-proof" solutions offer the flexibility and modularity that data center managers and

Armstrong Data Center Containment and Ceiling

Optimize data center airflow and efficiency with Armstrong hot & cold aisle containment and structural ceiling solutions built for performance and

Tate Containment Systems for Hot and Cold Aisle

Explore Tate's modular containment solutions for data centers, including hot and cold aisle systems, hard roofs, doors, and custom partitions designed to improve

Hot & Cold Aisle Containment: Implementation Guide 2026

Learn how to implement hot and cold aisle containment in existing data centers — HAC vs CAC comparison, PUE optimization, compliance

Data center containment strategies for high-density environments

Fig 3. Cold aisles are enclosed to direct cool air into server fronts, while hot exhaust is released into the hot aisle and routed away to improve efficiency. Arrows mark airflow paths.

Cold Aisle Containment in Data Centers | Subzero

Minimize your data center's footprint, establish optimal operating efficiencies and save money with cold aisle containment. Learn more here!

Contact Us

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