Cold Aisle Installation Manufacturers for Computer Rooms



Overview

Specify complete aisle containment systems for data centers, edge facilities and high-density compute rooms. Compare configurations, build a shortlist and send one project-ready enquiry.

Key Takeaways

Leading manufacturers of cold aisle containment systems include Subzero Engineering, Armstrong, Vertiv, AZE Systems, and Eaton, offering solutions to optimize data center cooling and energy efficiency.

Key Manufacturers and Solutions

Subzero Engineering specializes in cold aisle containment (CAC) systems that isolate cooled supply air from hot exhaust air, improving energy efficiency and reducing hotspots in data centers. Their systems use doors, ceiling panels, and structural frames to create enclosed zones, ensuring IT equipment operates within manufacturer specifications and ASHRAE guidelines, with measurable energy savings. Armstrong provides aisle containment solutions under the Cool Shield™ brand, offering both cold and hot aisle containment.

Their systems include floor-mounted structural supports, framed panels, and modular partitions designed for long-term performance, scalability, and flexibility in new builds or retrofits. Vertiv offers adaptable hot and cold aisle containment systems that are freestanding and rack-independent. These systems can be deployed before or after rack installation, simplifying setup and supporting a variety of rack heights.

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Vertiv also provides technical guidance and reseller support for complex projects.

AZ

E Systems delivers modular hot and cold aisle containment solutions, including ceilings, walls, and end-of-row doors. Their systems are designed to improve energy efficiency, prevent hot and cold air mixing, and accommodate different server rack configurations. Eaton (Tripp Lite) provides modular aisle containment kits with adjustable beams, roof panels, sliding doors, and magnetic filler panels.

Their systems are compatible with standard and wide racks, support retrofits, and can reduce energy requirements by up to 25% while being easy to install without specialized contractors.

Considerations for Selection

When choosing a cold aisle containment manufacturer, consider: Compatibility with existing rack sizes and layoutsModularity and flexibility for future upgradesEnergy efficiency and potential cost savingsEase of installation and maintenanceSupport and warranty offered by the manufacturer These manufacturers provide a range of solutions suitable for both new data center builds and retrofits, helping optimize cooling performance and reduce operational costs.

Article Content

Data Center Aisle Containment Systems | Profile IT Solutions

Specify complete aisle containment systems for data centers, edge facilities and high-density compute rooms. Compare configurations, build a shortlist and send one project-ready enquiry.

Hot & Cold Aisle Containment Systems For Data

Cool Shield™ products provide customers with versatile, turnkey aisle containment systems for new or existing critical spaces. Our offerings range from a single row

Aisle Containment Systems for Hot & Cold Aisle Solutions

Which is better, hot aisle containment or cold aisle containment? The short answer is that both HAC and CAC are nearly equally effective because

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 bypass airflow containment, and

Cold Aisle Containment | Legrand

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By maintaining consistent, predictable temperatures, cold aisle containment minimizes thermal stress and reduces the risk of overheating, improving reliability and extending equipment lifespans.

Armstrong Data Center Containment and Ceiling Systems | Armstrong ...

Our high-performance aisle containment and structural ceiling systems work within your data center design to optimize airflow, improve energy efficiency, and support scalable growth.

Aisle Containment | Modular Cleanroom & Data Center Containment ...

Depending on your facility''s layout, Armstrong Aisle Containment Solutions offer both Hot Aisle Containment (HAC) and Cold Aisle Containment (CAC) systems to suit new builds or retrofit

Containment

Our range of aisle containment provides cost-effective and energy-efficient solutions for maximising performance. Containment solutions from Tate reduce costs by increasing adaptability for future

Hot / Cold Aisle Containment

Sliding Doors offer data centers aisle-end containment in just minutes and without the need for contract labor. The one-tool design allows for quick and easy installation, removal, and re-installation with

Altimir – Data Center Solutions

Altimir designs, fabricates, and installs energy-efficient, custom-engineered Hot Aisle and Cold Aisle Containment Systems. Recognized for the quality of its products, the company''s products are

Aisle Containment | Modular Cleanroom & Data Center Containment ...

Enhance airflow control and energy efficiency in data centers, laboratories, and cleanroom environments with Armstrong Aisle Containment Ceilings & Walls. Our modular systems

Aisle Containment Systems From EDP Europe | Data

With five global manufacturing and processing locations, and our own installation teams, EDP ensures a quick turnaround on hot or cold aisle containment

Cold Aisle Containment Systems | Server Room Environments

Looking for cold aisle containment systems and POD related products? The Server Room Environments projects team provides a complete design, installation and maintnance service for data centre

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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

Aisle Containment | Vertiv Hot/Cold Aisle Containment Solutions

Vertiv™ Aisle Containment Freestanding, Rack-independent system with the flexibility to maximize efficiency and capacity from the core to the edge for raised floor and slab data centers. Adaptable to

Hot and Cold Aisle | Effective Aisle Containment

The cold aisle containment data center embraces routes, via which cold air is supplied into server rooms. These are the only possible channels for col air circulation, so they are separated

Cold Aisle Containment

How Cold Aisle Containment Works The cold aisle containment system encloses the cold aisle and prevents the mixing of cold air with hot exhaust air. This lets hotter

Hot Aisle Containment | Legrand

Legrand hot aisle containment solutions optimize airflow, reduce energy consumption, and ensure peak performance for critical infrastructure. Hot aisle containment Is the most common method for

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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