

Hot aisle and cold aisle rack-mount manufacturers for data centers



Article Overview

Leading manufacturers of hot aisle and cold aisle containment systems include Eaton, Altimir, Armstrong, Maysteel, and Accelelevation, offering customizable, energy-efficient solutions for data center racks.

Key Manufacturers and Their Offerings

Eaton (Tripp Lite) Eaton provides aisle containment systems that improve cooling efficiency by separating hot and cold air in rack configurations. Their systems are compatible with 42U, 45U, and 48U racks, and standard or wide widths (600 mm or 750 mm). Eaton's containment solutions include sliding double doors with key locks, roof panels, and easy installation kits that do not require HVAC specialists . Altimir Data Center Solutions Altimir specializes in custom-engineered hot and cold aisle containment systems. Their solutions are designed to enhance airflow efficiency, reduce energy costs, and support scalable data center layouts. Altimir offers full support from design and fabrication to installation and post-installation maintenance, providing turnkey solutions tailored to specific customer requirements . Armstrong Aisle Containment Armstrong offers modular hot and cold aisle containment systems, including floor-mounted structures, framed panels, and modular partitions. Their Cool Shield™ systems are designed for long-term performance, supporting high-density cooling upgrades and ensuring airtight separation of hot and cold air to maximize energy efficiency . Maysteel Industries Maysteel provides custom-engineered hot and cold aisle containment solutions with a design-build approach. Their systems use vertical panels to isolate hot aisles and direct exhaust air efficiently, reducing energ...

Article Content

Hot Aisle Containment | Legrand

By channeling hot exhaust away from equipment and toward cooling, data centers can maintain a stable operating temperature and

Custom Data Center Containment Solutions

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

Aisle Containment Solutions | Maysteel Industries

Custom engineered hot and cold aisle containment solutions that keep your data center running smoothly and make your build-out

Move to a Hot Aisle/Cold Aisle Layout

A Time-tested Technique The hot aisle /cold aisle data center layout was originated by IBM in 1992 and it is one of the oldest ways to

Aisle Containment | Vertiv Hot/Cold Aisle Containment

Freestanding, Rack-independent system with the flexibility to maximize efficiency and capacity from the

Hot/Cold Aisle Containment | Data Center Containment Systems

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

Data Center Solutions | Maysteel Industries

Cost-effective, customized hot and cold aisle containment solutions can not only keep your data center

Hot & Cold Aisle Containment Solutions

There are many ways to set up a hot aisle cold aisle data center containment design. Regardless of design preference, Eagle

Decoding: Hot and Cold Aisle Containment Solutions for Data Centers |

If you take deep insights into the current preferences in this industry, most data centers opt for cold aisle containment

Air Containment Systems for Data Centers | Hot & Cold Aisle Solutions

Improve data center cooling with flexible air containment solutions that go beyond hot and cold aisle configurations.

Accelelevation | Custom data center containment systems

Vertically integrated manufacturer of hot aisle containment, cold aisle containment, white space structure

Server Racks & Cabinets | Maysteel Industries

From high-performing computing systems to cloud storage, hybrid environments, and everything in between, Maysteel has custom

Aisle Containment

Upgrade your data center with our conversion kit for efficient hot/cold aisle containment. It transforms single-row end-of-row frame

What are hot and cold aisles in the data center?

Using hot and cold aisles in a data center is part of an energy-efficient layout for server racks and other computing

Maximizing Data Center Efficiency: Key Rack Alignments & Layouts

Similar to hot aisle containment, cold aisle containment confines the cold aisle, ensuring that cold air is directly

Hot Aisle Containment vs. Cold Aisle Containment:

In cold aisle containment, the overall data center becomes the hot aisle and that space

What To Know About Hot-Aisle, Cold-Aisle, And Chimney Data Center ...

Containment systems are used in modern data centers to isolate the hot discharge air from the cooler supply air,

Hot and Cold Aisle Containment in Data Centers

Temperature Control in Data Centers Although hot and cold air containments are highly effective, they are usually

Hot / Cold Aisle Containment

Overview Hot & Cold Aisle Containment Secure I.T.Environments Ltd offers a range of hot aisle

Is Hot or Cold Aisle Containment Right For Your Data

However, not all data centers are the same and considerations must be taken to ensure

Aisle Containment Systems for Hot & Cold Aisle Solutions

Cool Shield Aisle containment solutions reduces server row temperatures in active data centers. Learn more about the benefits of hot

Aisle Containment | Vertiv Hot/Cold Aisle Containment Solutions

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

Tips to build a data center airflow management strategy

Tips to build a data center airflow management strategy Airflow in data centers is crucial for equipment health. While

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

Provides an ideal suspension platform for cable trays, partitions, hot and cold aisle containment barriers, and other

Accelelevation | Custom data center containment systems

Whether ceiling hung or integrated with aisle structure, our containment solutions are manufactured on our dedicated lines for quality,

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

Enhance airflow control and energy efficiency in data centers, laboratories, and cleanroom environments with

How to Choose Between Hot-Aisle & Cold-Aisle Containment in a Data Center

Historically data center server racks were arranged to reduce the mixing of hot exhaust air with chilled air from cooling

Aisle Containment Solutions for Data Centers & IT Infrastructure

Rittal's aisle containment solutions reduce data center cooling costs by up to 30%. Modular design ensures quick deployment,

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

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

Hot / Cold Aisle Containment

Hot / Cold Aisle Containment AisleLok Upsite AisleLok containment solutions and portfolio of aisle airflow

Data Center Products | Maysteel Industries

Data center products engineered for your precise needs When you're building out a new data center or upgrading an existing site,

AisleFrame™ Containment System

The AisleFrame System delivers freestanding containment for hot aisle and cold aisle data center configurations without relying on

Aisle containment | Airflow management | Eaton

Upgrade your data center's efficiency, security, and cost effectiveness today with our rack containment solutions. Browse our

Data Center Efficiency | Cold Aisle Containment

Cold aisle containment is a strategic approach to airflow management within a data center. The foremost

Data Center Doors and Rack Baffles | AisleLok by Upsite Technologies

Upsite Technologies' AisleLok server rack baffles and sliding doors allow you to maintain optimal hot & cold aisle separation and

Data Center Containment System

While looking at the containment systems strategy in white space, there are mainly four types to understand and

Hot Aisle vs Cold Aisle Containment Explained (Data

Hot aisle and cold aisle containment are foundational concepts in data center design. When

Contact Us

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