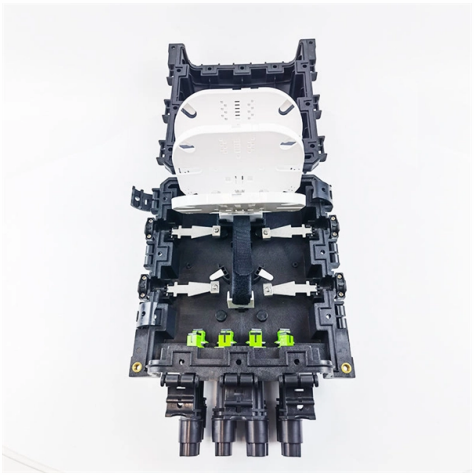
Cold aisle computer room manufacturers



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.

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

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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

Cold Aisle Containment | Legrand

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

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 they prevent supply and exhaust air from

Cold Aisle Containment in Data Centers | Subzero

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With cooling provided through a raised floor, this cold aisle containment project uses rigid wall panels in conjunction with the Polar Cap 2 roof system to provide

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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

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Altimir Data Center Solutions designs, fabricates, and installs high quality, custom engineered Hot Aisle and Cold Aisle containment systems for data centers worldwide. Our high-quality, high-performance

Computer Room Cooling Optimization Products | Upsite Technologies

Choose from our HotLok, ColdLok, and AisleLok line of products to optimize your computer room cooling!

DATA CENTER AISLE CONTAINMENT | Gordon Inc

Gordon Containment systems provide a leading solution for containing both hot and cold air. Savings of 20-40% in cooling costs can be achieved when containment is deployed. 3D CAD designs to meet

Data Center Aisle Containment Systems | Profile IT

Explore 30 hot aisle, cold aisle, structural, door, roof, flexible containment and airflow-control products for data centers. Engineering and installation by Profile

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 and cold containment.

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

Hot / Cold Aisle Containment

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Designed for server and network cabinets located within server rooms and data centres, cold aisle containment maximises cooling predictability, capacity, and

Hot and Cold Aisle Containment Solution | Legrand

Hot aisle containment is used to capture and direct hot exhaust air back to the cooling units. This popular option is ideal for data centers looking to maximize efficiency as it prevents hot and cold air

Cold Aisle Containment | Legrand

Cold aisle containment creates an enclosed corridor in front of server cabinets, ensuring that the coldest air goes directly into equipment intakes. By isolating the cold aisle, containment reduces unintended

Ciel Climate

Ciel Climate Solutions Pvt. Ltd. specializes in mission critical environments. Products include hot & cold aisle containment & infrastructure solutions.

Data Center Curtains | Hot & Cold Aisle Containment Solutions ...

Data Centers and Equipment Rooms Anti-Static Data Center Containment Curtains, Doors, and Partitions - The Ideal Solution for Data Centers Data center managers across the county are

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