

DC Head-Up Cabinet Cold Aisle High-Temperature Resistant Manufacturer



AI Overview

Leading manufacturers for high-temperature resistant cold aisle containment cabinets include Legrand, EDP Europe, Tate Global, Vertiv, and EAE Electric, offering customizable, modular, and energy-efficient solutions.

Key Manufacturers and Solutions

Legrand Data Center Solutions provides cold containment systems that deliver cold air through raised floors into the aisle, creating a homogeneous air plenum in front of cabinets. Their horizontal roof and door systems are customizable for 42, 47, and 52U cabinets, with options for glass panels to prevent electrostatic discharge and allow visibility. The system integrates environmental sensors and PDUs for real-time monitoring, optimizing cooling efficiency and energy consumption . EDP Europe specializes in Cold Aisle Containment (CAC) systems that enclose the cold aisle, preventing mixing of cold supply air with hot exhaust air. Their solutions are fully flexible, retrofittable, and adaptable to existing data center layouts, supporting various cabinet sizes and IT infrastructure. CAC systems improve cooling efficiency, reduce energy costs, and balance temperature across all servers, including the top rack positions where failures are most common . Tate Global offers floor-mounted and ceiling-suspended containment systems. Their CAC systems efficiently capture cold air from CRAH or CRAC units, while their Hot Aisle Containment (HAC) channels hot air into overhead plenums. Tate's solutions are pre-engineered, modular, and compatible with air, liquid, and hybrid cooling environments, providing ergonomic handles, airtight gaskets, and clear or multiwall panels . Vertiv provides freestanding...

Article Content

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Hot Aisle Containment in Data Centers | Subzero Engineering

Hot Aisle Containment Raised Floor Example 1 Hot aisle containment with raised flooring, dual sliding doors, and vinyl Rack Hat

May 27, 2026

Hot Aisle Containment | Legrand

Hot aisle containment is the most common method for separating hot and cold air. By channeling hot exhaust away from equipment

Jul 05, 2026

Cold Aisle Containment in Data Centers | Subzero

Minimize your data center's footprint, establish optimal operating efficiencies and save money with cold

May 13, 2026

Aisle Containment

Improve your data center's cooling and efficiency with our cold aisle containment integral roof. This solution prevents hot and cold air

Mar 31, 2026

Altimir - Data Center Solutions

Altimir Data Center Solutions designs, fabricates, and installs high quality, custom engineered Hot Aisle and Cold Aisle containment

Jun 29, 2026

Hot/Cold Aisle Containment | Data Center Containment Systems

Cold aisle containment encloses cold aisles where cold supply air is delivered to cool IT equipment. So the rest of the data center

May 01, 2026

Containment Strategies in High Density Data Centers

Last week we continued our article series on the challenges of keeping IT equipment cool in high density

Sep 14, 2025

Aisle Containment | Vertiv Hot/Cold Aisle Containment

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

Oct 30, 2025

Aisle Containment | Bespoke Aisle Containment

Aisle Containment Design, manufacture and install of bespoke aisle containment systems for use in retrofit,

Dec 22, 2025

Data Center Containment System

More intelligently designed aisle containment curtains utilize UL-listed fuse-links that melt at a temperature that is below

Aug 03, 2025

Data Center Aisle Containment

The highest efficiencies are however achieved using a compact hot aisle configuration. With rear-door OnRak™ cooling units, the air

Aug 07, 2025

Hot & Cold Aisle Containment Solutions

Looking for hot and cold aisle containment solutions? We are a designer, manufacturer, stocking warehouse, and supplier of custom

Aug 04, 2025

Hot and Cold Aisle Containment Solution | Legrand

Effective aisle containment is critical to maintaining peak data center cooling efficiency. By creating a

Jul 08, 2026

Cold Aisle Containment | Legrand

Cold aisle containment creates an enclosed corridor in front of server cabinets, ensuring that the coldest air goes directly into

Dec 25, 2025

Framed Aisle Containment Panels

Framed Aisle Containment Panels Lite Frame Vertical Panels Lite frame vertical panels are vertical aisle

Mar 04, 2026

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

Jan 05, 2026

Aisle Containment Systems Physical Containment Systems ...

Hot aisle/cold aisle configuration is a best practice solution that separates hot and cold air streams. This method raises the

Apr 03, 2026

Vertiv™ Aisle Containment Syst

Adaptable to hot and cold aisle containment, the Vertiv Aisle Containment System allows you to deploy containment before racks are

Oct 23, 2025

Hot and Cold Aisle Containment Solution | Legrand

Explore sliding and swinging options for cabinet-to-cabinet and cabinet-to-wall applications. Our easy-to

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Aisle Containment Systems for Hot & Cold Aisle Solutions

Cool Shield Aisle containment solutions reduces server row temperatures in active data centers. Learn

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Cold Aisle Containment | Legrand

A highly engineered data center cabinet solution that delivers fast, built-to-order configurability, best-in-class strength, and scalability

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Tate Cold Aisle Containment System

Designed to your specification, it can be custom configured to fit any white space layout, enabling a precise

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KabinPLUS Aisle Containment Solutions

Cold Aisle Containment for rack cabinets with single or double sliding doors and sliding roof frame units

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Containment

Our range of aisle containment provides cost-effective and energy-efficient solutions for maximising performance. Containment

Oct 04, 2025

Cold Containment | Legrand Data Center Solutions

Legrand's Pod Master brings intelligent wireless monitoring to your cold containment setup. By centralizing

Sep 16, 2025

Lepin Network | Cold Aisle Containment system

Aisle containment in the data center requires that cabinets are aligned in a hot aisle/cold aisle layout. Containment panels or strips

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CONTAINMENT SYSTEM

High energy costs and accelerated energy consumption has forced data center managers to implement strategies to achieve

Jul 27, 2025

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

Aisle Containment High-Performance Aisle Containment Armstrong aisle containment combines flexible design,

Mar 10, 2026

Cold & Hot Aisle Containment For Data Center Efficiency

Learn how cold and hot aisle containment improves airflow, reduces energy use, and boosts reliability in data centers.

Jul 12, 2026

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

Nov 20, 2025

Lepin Network | Cold Aisle Containment system

The aisle containment system is a modular rowbased thermal containment solution, which separates cold and hot data center air

Dec 21, 2025

Data Center Aisle Containment Systems | Profile IT Solutions

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

Apr 27, 2026

Aisle Containment

Maintain optimal temperature control in your data center while ensuring easy equipment access with our

Jun 01, 2026

Data Center Aisle Containment Solutions | HAC & CAC | Enconnex

Enconnex offers customizable hot & cold aisle containment solutions. Save energy, reduce hotspots, & improve airflow with data

Contact Us

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