

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



Overview

Cold Aisle Containment | LegrandA highly engineered data center cabinet solution that delivers fast, built-to-order configurability, best-in-class strength.

Key Takeaways

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, rack-independent aisle containment systems suitable for both raised floor and slab data centers. Their solutions are compatible with various cabinet heights and VR racks, and they include thermal drop-out panels for fire safety. Vertiv systems can be deployed before or after rack installation, simplifying setup and supporting high-temperature resistance through controlled airflow management . EAE Electric's KabinPLUS aisle containment solutions feature cold aisle containment with sliding doors and roof frames made of aluminum and polycarbonate. Their systems include fire nozzle entry sections, flexible plastic isolation elements, and seismic stands for stability. They are adjustable to different cabinet heights and widths, ensuring modularity and high-temperature resistance while maintaining energy efficiency in suspended ceiling environments .

Features to Consider

- High-temperature resistance: Materials like aluminum, polycarbonate, and glass panels prevent heat damage and allow safe operation under elevated temperatures.
- Modularity and customization: Adjustable heights, widths, and dummy elements allow integration with non-standard cabinets.
- Energy efficiency: Containment systems optimize airflow, reduce cooling costs, and enable free cooling.
- Fire safety integration: Drop-away panels and fire nozzle entry sections ensure compliance with suppression systems.
- Seismic and structural stability: Seismic stands and pre-assembled frames provide independent support for cabinets. These manufacturers provide comprehensive solutions for data centers requiring high-temperature resistant, cold aisle containment cabinets, with options for customization, monitoring, and energy optimization.

Article Content

Cold Aisle Containment | Legrand

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

Hot and Cold Aisle Containment Solution | Legrand

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

Cold Containment | Legrand Data Center Solutions

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

Air Containment Solutions for Data Center Airflow | Chatsworth

Optimize data center cooling with CPI air containment solutions, including cold aisle containment and ceiling options that boost

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

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

Data Center Aisle Containment Systems | Profile IT

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

Cold Aisle Containment | Legrand

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

Aisle containment system buying guide

An aisle containment system is a simple way to improve cooling efficiency in hot aisle/cold aisle rack

Hot/Cold Aisle Containment | Data Center Containment Systems

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

Hot & Cold Aisle Containment Solutions

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

Aisle Containment Solutions | Data Center Resources

Aisle Containment Doors Sliding, hinged and strip doors are resilient alternatives for closing entry to your

Altimir - Data Center Solutions

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

Air Containment Systems for Data Centers | Hot & Cold

Improve data center cooling with flexible air containment solutions that go beyond hot and

Cold Aisle Containment

Cold Aisle Containment or CAC is a proven, relatively easy to deploy solution for effectively managing

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 Design: Hot Aisle & Cold Aisle - Length and Width ...

Efficient airflow management in data centers relies heavily on proper Hot Aisle and Cold Aisle configurations. To maintain thermal

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

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

Data Center Aisle Containment Systems | Profile IT

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

Cold Aisle Containment | Legrand

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

Aisle containment system buying guide

An aisle containment system is a simple way to improve cooling efficiency in hot aisle/cold aisle rack

Hot/Cold Aisle Containment | Data Center Containment Systems

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

Hot & Cold Aisle Containment Solutions

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

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

Aisle Containment Systems for Hot & Cold Aisle Solutions

Aisle containment is a cooling system that completely separates the cold supply airflow from the hot equipment exhaust air. Aisle

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

Data Center Containment System

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

Aisle Containment Solutions | Data Center Resources

Aisle Containment Doors Sliding, hinged and strip doors are resilient alternatives for closing entry to your hot or cold aisle. Single

Altimir – Data Center Solutions

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

Cold Aisle Containment

Cold Aisle Containment or CAC is a proven, relatively easy to deploy solution for effectively managing airflow within a data centre. A

Cold Aisle Containment | Legrand

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

Hot and Cold Aisle Containment Solution | Legrand

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

Cold Containment | Legrand Data Center Solutions

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

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

Air Containment Solutions for Data Center Airflow | Chatsworth

Optimize data center cooling with CPI air containment solutions, including cold aisle containment and ceiling options that boost

Hot/Cold Aisle Containment | Data Center Containment

Hot and cold air containment systems designed to maximize cooling predictability, capacity, and efficiency

Contained cold aisle | CONTEG

CONTEG's cold aisle containment solution (CCA) is a sealed modular expandable system that physically separates and isolates

Data Center Aisle Containment

With rear-door OnRak™ cooling units, the air-on temperature to the cabinet is maintained at 27°C in line with ASHRAE guidelines;

Data Center Cold Aisle Containment Curtains

Steel Guard cold aisle containment curtains handle high thermal loads of up to 10-15kW with a raised floor setup, delivering

Altimir - Data Center Solutions

Altimir designs, fabricates, and installs energy-efficient, custom-engineered Hot Aisle and Cold Aisle Containment Systems.

Cold Aisle Containment | Legrand

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

Hot and Cold Aisle Containment Solution | Legrand

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

Cold Containment | Legrand Data Center Solutions

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

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

Air Containment Solutions for Data Center Airflow | Chatsworth

Optimize data center cooling with CPI air containment solutions, including cold aisle containment and ceiling options that boost

Hot/Cold Aisle Containment | Data Center Containment

Hot and cold air containment systems designed to maximize cooling predictability, capacity, and efficiency

Related Video Reference

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

Contact Us

Continue your research online:

Website: <https://coetzerinvestments.co.za>

Technical inquiry: <https://coetzerinvestments.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

