

RIVO MULTITRADE OPTICAL SYSTEMS

New Low-Pressure Complete Equipment Cold Aisle Manufacturers



Overview

Cold Aisle Containment | LegrandDesigned for shipping with equipment pre-loaded, our T-Series and T6 cabinet platforms can be paired with our unique packag.

Key Takeaways

Leading manufacturers of cold aisle containment systems include Altimir, Subzero Engineering, Accelelevation, Vertiv, and Legrand, offering modular, energy-efficient, and fully integrated solutions for data centers.Key Manufacturers and Offerings



Altimir specializes in custom-engineered hot and cold aisle containment systems that enhance airflow efficiency and reduce energy costs. Their solutions are scalable, adaptable, and designed for both raised floor and hard floor data centers, providing complete turn-key services from design to installation and maintenance . Subzero Engineering provides cold aisle containment systems that isolate cooled supply air directly to IT equipment intakes. Their solutions include doors, ceiling panels, and structural frames to create enclosed zones, improving energy efficiency and reducing hotspots in compliance with ASHRAE TC 9.9 guidelines . Accelvation manufactures modular containment panels, including freestanding and ceiling-hung options. Their systems feature low-profile, durable designs with pneumatic soft-close doors and sliding access panels, allowing easy tool-less access while maintaining containment integrity under low-pressure conditions . Vertiv offers freestanding, rack-independent aisle containment systems suitable for both hot and cold aisles. Their solutions are adaptable to existing racks, compatible with raised floor or slab data centers, and designed for rapid deployment and scalability. Vertiv also provides integration with fire suppression systems and flexible cabinet heights . Legrand delivers modular cold aisle containment solutions, such as the Contain-IT FLEX system, which can be pre-assembled or configured on-site. Their systems ensure uniform airflow, reduce energy consumption, and enhance equipment reliability. Legrand also offers seismic-rated solutions and fully engineered cabinets for turnkey deployment .

Features to Consider

- **Energy Efficiency:** All manufacturers focus on reducing energy consumption by directing cold air precisely to equipment intakes.
- **Modularity and Scalability:** Systems can be expanded or reconfigured as data center needs evolve.
- **Low-Pressure Design:** Ensures minimal airflow resistance while maintaining containment integrity.
- **Ease of Access:** Sliding or hinged doors and access panels allow maintenance without compromising airflow.
- **Integration:** Compatibility with existing racks, fire suppression, and power distribution systems. These manufacturers provide comprehensive solutions for modern data centers seeking low-pressure, complete cold aisle containment systems that optimize cooling efficiency, reduce operational costs, and support high-density IT equipment deployment.

Article Content

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Altimir – Data Center Solutions

Altimir is redefining data center aisle containment. The company designs, fabricates, and installs custom-engineered Hot Aisle and

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

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,

Data Center Air Containment Systems Manufacturers and

Design, fabricate, and installation of airflow containment and environmental control equipment. Data center containment systems

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

Containment System Products

Designed to maintain hot and cold aisles seal integrity, AIRSEAL swing doors boast custom extruded frames and durable materials

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

Depending on your facility's layout, Armstrong Aisle Containment Solutions offer both Hot Aisle Containment (HAC)

Data Center Aisle Containment Systems | Profile IT Solutions

Specify complete aisle containment systems for data centers, edge facilities and high-density compute rooms. Compare

Top 10 Cold Storage Equipment Brand & Manufacturers

Find the Top 10 Cold Storage Equipment brand, manufacturers, and exporters. Get the contact details and addresses of companies

Cold Aisle Containment | Legrand

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

IMPROVING DATA CENTER EFFICIENCY AND CAPACITY

Recently the concept of aisle containment began to take hold as a viable tool to help address these challenges. Aisle containment

Data Center Efficiency | Cold Aisle Containment Manufacturers

Apart from increasing equipment performance, cold aisle containment saves energy as well. With cold aisles, these data centers can

New and Used Commercial Refrigeration

Barr Refrigeration supplies new and used commercial refrigeration equipment, including walk-in coolers, freezers, compressors, and

Accelelevation | Custom data center containment systems

Accelelevation containment systems are customized for the unique data hall environment and are designed to separate cold supply

Commercial Refrigeration Equipment and Solutions

Russell manufactures a complete line of energy-efficient commercial refrigeration equipment and solutions.

Cold Storage Solutions for Rent & Sale | ZGROUP USA

ZGROUP USA delivers a full suite of cold storage solutions trusted by logistics teams, food and pharma distributors, manufacturers,

7 Best Narrow Aisle Racking Systems for Space Optimization

Distribution centers, manufacturers, and retailers face mounting pressure as storage capacity maxes out and

Global Hot and Cold Aisle Market Size, Share, Growth Trends

Hot and cold aisle containment systems enable precise segregation of hot and cold air streams, ensuring that cool air

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

Subzero Engineering

Cold Aisle Containment consists of a physical barrier that allows the supply air to pool inside the aisle. Cold aisle containment (CAC)

FOCUSED COOLING USING COLD AISLE CONTAINMENT

The mixing of hot and cold air can be aggravated by a poor balance between the total cold air demand to the racks in the aisle and

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

New Low Temp Systems

Barr Refrigeration carries new low-temp refrigeration systems, built to maintain below-freezing temperatures for food service,

Cold Storage Material Handling Solutions | Sanitary Lift Tables

Discover sanitary lift tables and food-grade material handling equipment designed for cold storage, food processing,

Cold Storage Equipment

At Modern Ice we offer comprehensive cold storage solutions, striving to be your one-stop shop for all your cold storage needs. Our

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

NYI Rolls Out New Cold Aisle Containment System Within Data Centers

This simple separation creates a uniform and predictable supply temperature to the intake of IT equipment and a warmer, drier return

New Refrigeration Equipment

Find the Right Refrigeration Equipment at Barr Barr stocks new and used medium-temp and low-temp systems, standalone

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