

Article Overview

Leading cold aisle rack suppliers include Modular Rack Systems (MRS), EDP Europe, Legrand, Vertiv, and Eaton, offering customizable containment solutions for data centers.

Key Suppliers and Offerings

1. **Modular Rack Systems (MRS)** MRS specializes in custom cold aisle containment systems made from aluminum and steel. Their solutions enclose the cold aisle to prevent mixing of hot and cold air, improving cooling efficiency, reducing energy consumption, and extending equipment lifespan. MRS offers swing or sliding doors, top panels with composite metal or polycarbonate, and customizable lighting options to fit modern data center requirements . 2. **EDP Europe** EDP provides bespoke cold aisle containment (CAC) systems for existing data centers. Their solutions are non-intrusive and adaptable to various cabinet sizes, IT infrastructure, and building layouts. EDP offers suspended or floor-standing CAC systems, adjustable heights, and modular designs that integrate with overhead services. Their containment systems improve airflow management, balance temperatures across racks, and enhance energy savings . 3. **Legrand** Legrand's cold aisle containment solutions create enclosed corridors in front of server cabinets, ensuring cold air reaches equipment intakes efficiently. Their modular systems are flexible, scalable, and seismic-rated, supporting multiple configurations and easy reconfiguration as data center demands evolve. Legrand emphasizes enhanced equipment reliability, reduced hotspots, and energy-efficient cooling . 4. **Vertiv** Vertiv offers freestanding, rack-independent aisle containment systems compatible with both raised floor and slab data centers. Their solutions can be deployed before or after rack installation, simplifying setup and supporting a variety of cabinet heights. Vertiv systems integrate with fire suppression systems and provide thermal drop-out panels for safety . 5. **Eaton (SmartRack)** Eaton's SmartRack Aisle Containment System is an easy-to-assemble structure designed to separate hot and cold air for better temperature control. Eaton provides racks compatible with their containment systems, along with guidance from their Solutions Team to ensure proper configuration and installation .

Considerations When Choosing a Supplier

- o **Customization:** Ensure the supplier can adapt to your rack sizes, ceiling height, and data center layout.
- o **Energy Efficiency:** Look for systems that improve airflow management and reduce cooling costs.
- o **Installation Support:** Some suppliers offer turnkey installation or guidance for retrofitting existing data centers.
- o **Compatibility:** Verify that the containment system works with your current racks and cooling infrastructure.
- o **Scalability:** Modular designs allow future expansion without major reconfiguration. These suppliers provide a range of high-quality, customizable cold aisle containment solutions to optimize cooling efficiency, protect IT equipment, and reduce operational costs in data centers.

Hot and Cold Aisle Containment Solutions Maximise Cooling Efficiency with Intelligent Airflow Management

Data Centre Cooling: Hot Aisle and Cold Aisle Design Data centres have become an integral part of

Aisle Containment strategically improves airflow management in data centres and helps optimise cooling

Our aisle containment systems are vendor agnostic, featuring innovative, transparent panels that are lightweight and easily attached

Elevate your storage with adaptable, scalable racking and shelving for a future-proof workspace. Prioritising safety, our racking and

Hot and cold aisle containment for data centres improves airflow, boosts cooling performance and reduces energy costs while

Cold Aisle Containment To reduce energy costs and noise in the data center, you must isolate the hot and

Shop aisle containment solutions at Server Racks Online. Explore hot and cold aisle containment systems, including doors, panels,

Pallet flow rack is a gravity flow system offering first-in-first-out (FIFO) inventory rotation helping food suppliers meet strict standards

Cold Aisle Containment Our cold aisle containment solutions separate the cold air supply from the server

Since 1973, EAE Electric has been your reliable partner in busbar, cable trays, fit-out solutions, support

A Cold Aisle Containment (CAC) system encloses the cold supply air within the aisle, preventing it from mixing with hot exhaust air.

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

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

Vertically integrated manufacturer of hot aisle containment, cold aisle containment, white space structure and conveyance solutions.



Cold aisle rack suppliers

For cold aisle containment for aisle widths: 1200 / 1800 mm (+/- 50 mm) Quick and easy mounting Suitable for Vertiv™ Knaür™

Web: <https://in-au.co.za>

