

Manufacturers of 1000mm deep hot and cold aisle corridors for computer rooms

Article Overview

Leading manufacturers of hot and cold aisle containment systems for computer rooms include EDP Europe, Tate Global, Ardmac, Eaton, and Armstrong, offering modular, scalable, and customizable solutions.

Key Manufacturers and Solutions

EDP Europe EDP Europe designs and manufactures bespoke hot and cold aisle containment systems suitable for retrofit, new build, and hyper-scale data centers. Their systems are modular, scalable, and can be floor-standing or ceiling-suspended. EDP provides synchronized sliding doors, clear viewing panels, and tailored designs to accommodate rack heights, obstacles, and future expansion. They focus on improving airflow management, reducing PUE, and enhancing server performance and reliability .

Tate Global Tate offers ceiling-suspended hot aisle containment (HAC) and cold aisle containment (CAC) systems. Their pre-assembled frames include airtight gaskets, ergonomic handles, and panel options in clear or multiwall polycarbonate. Tate's systems are designed for quick installation, energy efficiency, and adaptability to future expansion, supporting both air, liquid, and hybrid cooling environments .

Ardmac Ardmac provides ground-supported and ceiling-supported containment assemblies for data centers. Their HAC modules are made-to-measure to align with client rack layouts and heights. Ardmac emphasizes DfMA (Design for Manufacture and Assembly), allowing flat-pack delivery and off-site pre-fitting of service support beams. Their modular approach ensures scalability and integration with busbars and other IT services .

Eaton (Tripp Lite) Eaton offers modular aisle containment kits that separate hot and cold air for improved cooling efficiency. Their systems include sliding double doors with key locks, clear acrylic roof panels, and adjustable telescopic beams to accommodate standard rack widths. Eaton's kits are compatible with retrofits and new installations, providing flexibility for changing aisle configurations .

Armstrong Armstrong's aisle containment solutions include Hot Aisle Containment (HAC) and Cold Aisle Containment (CAC) systems with modular partitions, framed panels, and containment doors. Their Cool Shield(TM) system supports cable trays, busbars, and liquid cooling, ensuring airtight separation of hot and cold airflows. Armstrong emphasizes long-term performance, scalability, and energy efficiency .

Considerations for 1000mm Deep Aisles

- o Most manufacturers can customize aisle depth to 1000mm to fit specific rack layouts.
- o Modular and scalable designs allow for future expansion and integration with existing infrastructure.
- o Systems can be floor-mounted or ceiling-suspended, depending on space and structural requirements.
- o Features such as sliding doors, clear panels, and airtight gaskets enhance accessibility, monitoring, and thermal efficiency. These manufacturers provide comprehensive solutions for computer rooms and data centers, ensuring optimized airflow, energy efficiency, and reliable cooling for high-density IT environments.



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There is no single solution that fits every application or data centre, which is why EFS are dedicated to tailored solutions through

Design, manufacture and install of bespoke aisle containment systems for use in retrofit, new build and hyperscale projects. Aisle

Rittal's new aisle containment line solves these problems with a modular, standards-based design that integrates easily with existing

The separation of cold and hot airflow in data centers is one of the basic methods of increasing cooling

Cool Shield(TM) products provide customers with versatile, turnkey aisle containment systems for new or existing critical spaces. Our

Open Aisle Containment Traditional open aisle data centres use perimeter PAC (precision air conditioning) or CRAC (computer room

By preventing hot and cool air from mixing, our solutions create a controlled environment that maximizes the performance and

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

Cold Corridor NEXPAND TECHNICAL DATA SHEET AISLE CONTAINMENT Refrigeration provided by CRAC (Computer Room Air

Hot aisle and cold aisle containment are foundational concepts in data center design. When

Our modular systems provide flexible, secure separation between hot and cold aisles or controlled zones to maintain

Cold Corridors / Aisle containment Cold Corridors form the solution to a challenge that data centres have been presented with for

Get expert hot and cold aisle containment solutions for your data centres with Ardmac. Our tailored

With 15 years of experience in supplying and installing aisle containment solutions, EDP designs,



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

Cold and hot aisle isolation and closure measures If the cold and heat isolation is not adopted in the equipment room, there will be a

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