



Custom Manufacturer of Cold Aisle Doors for Server Racks

Article Overview

Eaton, Tate, Maysteel, Cool Shield, and NexGen Manufacturing all offer customizable cold aisle doors and containment solutions for server racks.

Key Manufacturers and Offerings

Eaton (Tripp Lite) provides aisle containment systems with sliding double doors that include key locks and clear acrylic panels. Their systems are compatible with 42U, 45U, and 48U racks, and can be retrofitted to existing aisles, supporting both standard (600 mm) and wide (750 mm) racks. Tate Containment Systems specializes in hard partitions and doors that are custom-sized for each data center. Doors can be built with right or left hinges, clear or multiwall polycarbonate viewing panels, and feature factory-installed perimeter compression gaskets to minimize air leakage. Tate emphasizes ergonomic handles, no-threshold designs, and compliance with NFPA flame spread and smoke development standards. Maysteel Industries offers DAMAC cold aisle containment solutions with customizable end-of-row doors and top panels. Their doors include double doors with clear inserts, door latches, and bottom brush kits. Panels and doors can be adjusted for aisle widths from 36" to 48", and optional fuse-link models provide fire safety by dropping panels at 135°F. Cool Shield (WAVE/Armstrong) provides modular aisle containment systems for both new and existing data centers. Their solutions include aluminum channel-based doors and panels, designed for durability, scalable configurations, and optimized airflow management. Cool Shield emphasizes energy efficiency and long-term performance for high-density server environments. NexGen Manufacturing designs and produces fully customizable cold aisle containment components, including vertical panels, cabinet brackets, and end-of-row doors. Their solutions are tailored to specific airflow and energy efficiency requirements, supporting high-density racks and providing powder-coated finishes for durability. NexGen works closely with clients to engineer solutions that fit unique data center layouts.

Considerations for Choosing a Manufacturer

- o Customization: Ensure the manufacturer can tailor door dimensions, materials, and panel types to your specific rack configuration.
- o Airflow Efficiency: Look for features like perimeter gaskets, no-threshold designs, and adjustable panels to minimize air leakage.
- o Compatibility: Verify that the doors fit your rack heights (42U-48U) and widths (600-750 mm).
- o Safety and Compliance: Consider fire safety options, NFPA compliance, and ergonomic design.
- o Installation and Support: Evaluate ease of installation, retrofitting capabilities, and manufacturer support for design and technical guidance. These manufacturers provide a range of customizable cold aisle doors and containment solutions suitable for improving cooling efficiency, energy savings, and operational reliability in data centers.



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Coolgenic cold aisle containment Optimise your data centre, drive return on investment and

Custom hot aisle and cold aisle containment -- frames, roof panels, doors, and filler panels in steel and aluminum. Modular,

AZE offers smart modular customizable hot and cold aisle containment solutions with 42U to 52U floor standing server rack

It physically separates the hot and cold airflow streams found in server rows and prevents them from

Upsite Technologies" AisleLok server rack baffles and sliding doors allow you to maintain optimal hot &

Swing Doors The AisleLok® Swing Doors are a key component of Upsite's Rigid Containment solution and are designed to be used

Sliding Doors offer data centers aisle-end containment in just minutes and without the need for contract

Our aisle top panels and end door kits are easily customizable to meet your specific requirements for

Cool Shield Aisle containment solutions reduces server row temperatures in active data centers. Learn more about the benefits of hot

The Cool Shield Double Sliding Hot & Cold Aisle Containment Data Center Door system is an integral part

Aisle containment ceilings, walls and end of row doors are designed to help maintain optimal operating temperature in server rooms

Our SCS cold aisle system is individually configurable and suitable for almost all server rack systems. It enables the optimal supply

Products Modular Security Cages Aisle Containment Racks & Cabinets Cabinet Accessories Wallboxes Retrofit Solutions

Steel Guard cold aisle containment curtains direct cold air to server racks. Handles 10-15kW thermal loads. Custom sized, U.S.



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AIRSEAL is 100% focused on designing, manufacturing, and installing the highest quality, best value containment systems for Data

Hot-aisle/cold-aisle data center containment curtains are best where server racks are lined up in alternating rows with cold-air intakes

Web: <https://bssoda.pl>

