

Cold Aisle Solution for Communication Equipment Rooms



Overview

Cold aisle containment systems use doors at aisle ends, ceiling panels or lids above racks, and structural frames to create enclosed zones where cold supply air flows directly to IT equipment intakes. By isolating the cold aisle, containment reduces unintended mixing of cold supply air with hot exhaust air, maintaining uniform, predictable. Armstrong aisle containment combines flexible design, strategic sourcing, and American manufacturing to deliver solutions that ensure long-term performance in a rapidly evolving digital world. Separates supply and return airflow paths. Supports the highest level of containment for maximum efficiency. Composite AisleFrame 50% Lighter Read Press Release [NEW VIDEO: Take a tour of Subzero Engineering's massive state-of-the-art manufacturing facility](#) [What is Cold Aisle Containment and how does it help energy efficiency?](#)

Cold Aisle Containment isolates the cooled supply air from the cooling units.



Article Content

Cold Aisle Containment | Legrand

By maintaining consistent, predictable temperatures, cold aisle containment minimizes thermal stress and reduces the risk of overheating, improving reliability and extending equipment lifespans.

Coolgenic Cold Aisle Containment

Cross-Guard's Coolgenic cold aisle containment system is highly versatile – it can easily be modified or re-installed to suit your changing needs. By installing the system, clients optimise the efficiency of ...

Cold Aisle Containment System | Contech Solutions

The Cold Aisle Containment System is a passive cooling solution which can be easily applied to improve the efficiency or expand the capacity of a data center with minimal incremental cost.

FOCUSED COOLING USING COLD AISLE CONTAINMENT

As an addition to a conventional precision cooling system, cold aisle containment consistently separates cold and warm areas without requiring structural changes to the data center.

Hot/Cold Aisle Containment | Data Center Containment Systems

Hot and cold air containment systems designed to maximize cooling predictability, capacity, and efficiency at the rack, row or room level. Get flexible and cost-effective rack and containment ...

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

Enhance airflow control and energy efficiency in data centers, laboratories, and cleanroom environments with Armstrong Aisle Containment Ceilings & Walls. Our modular systems ...

Data Center Hot/Cold Aisle Containment Systems | Eaton

A modular kit that is part of a rack aisle containment system which provides upper rack cooling management between rows of racks to prevent hot air exhausted by network equipment from ...

Cold Aisle Containment in Data Centers | Subzero Engineering

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Hot / Cold Aisle Containment

AisleLok ® Modular Walls are an ideal solution for creating separation between hot aisles, cold aisles, and other areas of a data center to help contain and manage airflow.

Aisle Containment Systems for Hot & Cold Aisle Solutions

The goal of a hot or cold aisle configuration is to conserve energy and lower cooling costs by managing air flow. Designing the proper containment system requires lining server racks in rows (or aisles) with ...

Contact Us

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