

Solution Server Room Cold Aisle IP65



Overview

Products designed for cold aisle containment, such as doors, ceiling panels, and blanking panels, help maintain a stable, cool environment within the aisle, allowing data centres to operate more efficiently and sustainably. Essentially creating a room within the aisle, the system helps keep hot and cold air separated to make existing air conditioning systems in data center and edge-of-network. What is Cold Aisle Containment and how does it help energy efficiency?

Cold Aisle Containment isolates the cooled supply air from the cooling units within direct proximity of the air intake of critical equipment. An enormous amount of energy is used every day to maintain an acceptable intake. In order to efficiently ensure the necessary cooling, Rittal has developed three cooling variants for aisle containment. Intake air (cold) and waste air (hot) are unable to mix. This method raises the temperature of the air returning to a Computer Room Air Conditioner (CRAC) unit, which allows the unit to operate more efficiently.



Article Content

Jan 01, 2026

Hot and Cold Aisle Containment: What You Need to

Aisle containment is a physical means of separating hot (exhaust) and cold (supply) air. It can be accomplished via thoughtful room design, cabinet

Aug 23, 2025

Cold Aisle Containment Systems | Server Room Environments

Looking for cold aisle containment systems and POD related products? The Server Room Environments projects team provides a complete design, installation and maintenance service for data centre

May 28, 2026

AZE Data Center Aisle Containment Solutions

Our cold aisle containment and hot aisle containment systems improve cooling, reduce energy costs, and enhance equipment performance. Perfect for data

Jul 05, 2025

Modular Data Center with Cold Aisle Containment

Modular Data Center with Cold Aisle Containment featuring 1100kg static payload, custom logo label, and intelligent fire safe system for secure and scalable server room solutions.

Jun 13, 2026

42U Server Rack Enclosure-Cold Aisle Containment

The aisle containment system improves cooling efficiency in hot aisle/cold aisle rack configurations by essentially creating a room within the aisle and keeping hot and

Nov 16, 2025

Aisle Containment Systems Physical Containment Systems ...

Retractable System: The Easy-To-Install Containment Solution The Retractable System exclusively for a 4" or 6" aisle ceiling, is a truly unique and easily deployed solution.

Oct 20, 2025

Coolgenic Cold Aisle Containment Solutions

Although sometimes referred to as a data centre cooling solution or server cooling system, cold aisle containment does not generate cooling for

May 15, 2026

Hot and Cold Aisle | Effective Aisle Containment

If you want to study more ways to cool your server room, read the article. More effective solutions are provided there to arrange an effective thermal

Jun 27, 2025

Cold Aisle Containment | Legrand

Cold aisle containment creates an enclosed corridor in front of server cabinets, ensuring that the coldest air goes directly into equipment intakes. By isolating the cold aisle, containment reduces unintended

Jan 27, 2026

Explore hot and cold aisle containment for your data center

Hot and cold aisle containment can help you maintain the best air flow, temperature and humidity in the data center to keep servers running efficiently.

Jan 22, 2026

Data Centre Cooling: Hot Aisle and Cold Aisle Design

Data Centre Cooling: Hot Aisle and Cold Aisle Design Data centres have become an integral part of today's technological landscape, used to store, process and

May 21, 2026

server room containment | Eziblink

Products designed for cold aisle containment, such as doors, ceiling panels, and blanking panels, help maintain a stable, cool environment within the aisle, allowing data centres to operate more efficiently

Nov 29, 2025

Cold Aisle Containment in Data Centers | Subzero

With cooling provided through a raised floor, this cold aisle containment project uses rigid wall panels in conjunction with the Polar Cap 2 roof system to provide

Oct 28, 2025

Aisle Containment for Server Rooms and Data Centers

Aisle Containment Enhance cooling efficiency and reduce energy costs with aisle containment solutions from Server Racks Online. Designed for data centers and IT environments, our hot aisle and cold

Feb 19, 2026

Hot/Cold Aisle Containment | Data Center Containment

Data Center Containment and IT Infrastructure Manufacturer Aisle containment top roof ceilings, walls and end of row doors are designed to help maintain optimal

Nov 08, 2025

Data Center Hot/Cold Aisle Containment Systems | Eaton

Keep your server rack aisles cool to prolong network equipment life and data center efficiency. Full scale aisle containment solutions. Modular kits for every edge-of

Nov 21, 2025

Serveredge Modular Containment for Thermal Isolation & Energy ...

Serveredge offers customisable hot and cold aisle containment solutions designed to improve airflow, boost cooling efficiency, and help reduce energy costs in modern data centres.

Feb 06, 2026

Hot Aisle vs. Cold Aisle Containment for Data Centers

Hot Aisle Containment vs. Cold Aisle Containment The goal of hot and cold aisle contaminants is very similar, even if they are entirely different

Oct 14, 2025

Cold Aisle Containment: The Ultimate Guide To

Hot Aisle Containment: This method involves isolating and containing the hot air that is exhausted from servers within the hot aisle. The objective is to prevent the

Feb 03, 2026

Approaches to Data Center Containment

The issue with hot aisle/cold aisle designs is that the air is free to move wherever it will. In a cold aisle containment approach, the data center installs end of row

Nov 09, 2025

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In order to efficiently ensure the necessary cooling, Rittal has developed three cooling variants for aisle containment. Two solutions use containment of the cold aisle, while the third is based on hot aisle

Sep 17, 2025

How to Keep Your Server Room Cool

Organization One solution is to arrange racks in a hot aisle/cold aisle configuration, involving positioning server racks in alternating rows, with cold air

Feb 21, 2026

Cold Aisle Containment

Product Description Aisle containment in the data center requires that cabinets are aligned in a hot aisle/cold aisle layout. Containment panels or strips create a

Nov 22, 2025

Aisle Containment Wall

Clear data center aisle containment wall panels, full or partial, to isolate cold air or hot aisles by filling gaps between or above server rack enclosures.

Jan 16, 2026

Hot & Cold Aisle Containment Systems For Data

Adapt Versatile Aisle Containment Solutions for Both New and Existing Data Centers. Cool Shield™ products provide customers with versatile, turnkey aisle

Mar 17, 2026

Hot Cold Aisle Containment

The goal of a hot aisle/cold aisle containment configuration is to conserve energy and lower cooling costs by managing air flow. Hot aisle/cold aisle containment

Dec 31, 2025

Hot and Cold Aisle Containment Solution | Legrand

Aisle Containment Solutions Why is Containment Important? Effective aisle containment is critical to maintaining peak data center cooling efficiency. By

Jun 10, 2026

Server Room Containment Systems | Hot & Cold Dial Containment in

Hot and cold aisle containment is a proven strategy to optimize airflow, reduce energy costs, and improve cooling efficiency. At Profile IT Solutions, we specialize in designing and implementing

Contact Us

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