

# Solution Cold aisle wall-mounted type for computer 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. Without containment, cold supply and hot exhaust air mix throughout the data. 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. Armstrong aisle containment solutions provide high-performance systems that support efficient, scalable. Freestanding, Rack-independent system with the flexibility to maximize efficiency and capacity from the core to the edge for raised floor and slab data centers. At Profile IT Solutions, we specialize in designing and implementing custom aisle containment solutions for data centers and server rooms. 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. Ardmac have developed a range of Ground Supported (GS) and Ceiling Supported (CS) assemblies catering to an array of different modular clean rooms and off-site construction industry requirements including data centre design and data centre construction.

## Article Content

Oct 14, 2025

Hot Aisle Containment: The Coolest Guide for 2025 [Data Centers]

Hot aisle containment systems offer a powerful solution for improving data center efficiency and reducing energy costs. By

Apr 20, 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

Jan 21, 2026

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

Jun 15, 2026

Data Center HVAC Systems

Learn how Data Center HVAC Systems work using cold and hot aisle strategies and air cooled versus liquid cooled IT equipment racks.

May 11, 2026

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.

Nov 06, 2025

Hot and Cold Aisle Containment Solution | Legrand

Effective aisle containment is critical to maintaining peak data center cooling efficiency. By creating a physical barrier between cold supply air and hot exhaust

Feb 17, 2026

Cold Aisle Containment | Legrand

This solution captures many requirements typically placed on the building shell and places it closer to the equipment. This includes busway, conveyance, docking, and other ancillary items.

Aug 11, 2025

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

Jan 31, 2026

Aisle Containment | Vertiv Hot/Cold Aisle Containment Solutions

Adaptable to hot and cold aisle containment, the Vertiv Aisle Containment system allows you to deploy containment before or after racks are installed to simplify installation and speed deployment of new

Apr 24, 2026

How to Cool a Server Room or Network Closet | Enconnex

Learn how to effectively cool a small server room, network closet, or edge facility. Get benefits, tips, & best practices from the experts at Enconnex.

Dec 13, 2025

Cold Aisle Containment in Data Centers | Subzero

Minimize your data center's footprint, establish optimal operating efficiencies and save money with cold aisle containment. Learn more here!

Jan 15, 2026

FOCUSED COOLING USING COLD AISLE CONTAINMENT

While either hot aisle or cold aisle containment systems can be installed and are both capable of increasing efficiency and cooling today's high heat data centers, meaningful differences exist in how

Mar 15, 2026

Cold Aisle Containment: The Ultimate Guide To

Additionally, cold aisle containment tends to be easier to implement compared to hot aisle containment, as it typically requires fewer modifications to the existing

May 02, 2026

The Advantages And Disadvantages Of Hot-Aisle, Cold

But there are some disadvantages to cold-aisle containment. Allowing the discharge air from the hot aisle to fill the room results in temperatures

Nov 27, 2025

## Hot Aisle Containment | Legrand

Legrand hot aisle containment solutions optimize airflow, reduce energy consumption, and ensure peak performance for critical infrastructure. Hot aisle containment is the most common method for

Apr 11, 2026

## 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

Apr 12, 2026

## Data Centre Cooling: Hot Aisle and Cold Aisle Design

Containment solutions, like aisle curtains, doors or rigid panels are used to separate hot and cold aisles. When properly sealed, containment ensures that cold air is

Apr 06, 2026

## Data Center Hot/Cold Aisle Containment Systems | Eaton

An aisle containment system is a simple way to improve cooling efficiency in hot aisle/cold aisle rack configurations. Essentially creating a room within the aisle,

Dec 22, 2025

## Hot and Cold Aisle Containment Solutions Ardmac

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

Mar 15, 2026

## Hot and Cold Aisle Containment: What You Need to Know

Hot aisle containment systems isolate the hot aisle using a similar enclosure system to that of a cold aisle with a sealed door for access. This

Sep 30, 2025

## Data Center Hot/Cold Aisle Containment Systems | Eaton

The components are organized into modular kits and come with assembly hardware for easy step-by-step installation. Depending on your hot-aisle/cool-aisle needs,

May 21, 2026

## AZE Data Center Aisle Containment Solutions

Maximize data center efficiency with Aze Telecom's aisle containment solutions. Our cold aisle containment and hot aisle containment systems improve cooling,

Jun 14, 2026

42u Network Cabinets for Data Centers Cold Aisle Containment Solution ...

42u Network Cabinets for Data Centers Cold Aisle Containment Solution with Air Conditioner Precision for Computer Rooms in Stock No reviews yet Ningbo Aze Imp & Exp Co., Ltd. 6 yrs

Nov 29, 2025

DATA CENTER AISLE CONTAINMENT | Gordon Inc

Data Center Aisle Containment provides the industry solution for controlling cold or hot air in the center & improving the appearance of server areas.

Feb 18, 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

Feb 12, 2026

Hot Aisle vs Cold Aisle in Data Centers: Technical

What Are Hot Aisle / Cold Aisle Configurations? Data centers are ovens if left unmanaged. Hundreds, sometimes thousands of servers pump out

Aug 07, 2025

Cooling Solutions for IT Equipment

Right-sized systems for every environment, from network closets to data centers Schneider Electric offers a comprehensive portfolio of solutions for virtually any cooling need in critical IT environments,

Jun 02, 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

Jul 30, 2025

Aisle Containment | Faztek Industrial Solutions

Design flexible hot and cold aisle containment systems with Faztek's T-slot aluminum extrusion. Scalable, custom-built solutions for data centers and server rooms.

## Contact Us

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