

Article Overview

Cold Aisle Containment (CAC) systems in Chile, including IP54-rated solutions, are increasingly adopted in data centers, with CIF pricing influenced by system customization, supplier, and energy efficiency features.

Market Context in Chile

The Chilean market for cold aisle containment is growing rapidly due to digitalization, cloud adoption, and energy efficiency mandates. The market is projected to expand significantly, with data center cooling investments expected to rise from USD 32.10 million in 2023 to USD 83.72 million by 2032, reflecting a CAGR of 10.15% . Key growth drivers include hyperscale data centers, sustainability regulations, and the need for precise temperature control in IT equipment .

Technical Features of CAC Systems

Cold aisle containment systems are designed to enclose the cold supply air, preventing mixing with hot exhaust air, which improves cooling efficiency and reduces energy costs . IP54-rated systems provide dust and water ingress protection, making them suitable for environments requiring higher reliability and protection against particulate contamination . Typical CAC systems include:

- o Aluminum frames and polycarbonate panels
- o Sliding or hinged doors
- o Roof panels and gasketed seals for optimized containment
- o Customizable dimensions to fit specific data hall layouts

CIF Pricing Considerations

While exact CIF prices for IP54-rated CAC systems in Chile are not publicly listed, pricing is influenced by:

- o System size and aisle length
 - o Customization level (doors, panels, seals)
 - o Supplier and brand (e.g., Schneider Electric, Vertiv, STULZ, Airedale)
 - o Energy efficiency features and compliance with local regulations
- For budgeting purposes, CAC systems in Latin America typically range from USD 500 to USD 1,500 per linear meter, depending on specifications and IP rating. CIF pricing will include cost, insurance, and freight to Chilean ports, and suppliers can provide precise quotations based on project requirements.

Benefits of IP54 CAC Systems

- o Enhanced protection against dust and water ingress
- o Improved energy efficiency by maintaining consistent cold air supply
- o Reduced hot spots and optimized server performance
- o Compliance with ASHRAE TC 9.9 guidelines for data center operations

Key Suppliers in Chile

Major suppliers offering CAC solutions suitable for IP54 deployment include:

- o Schneider Electric
- o Vertiv Group Corp.
- o STULZ GmbH
- o Airedale International Air Conditioning Ltd. These companies provide custom-engineered solutions and can deliver CIF pricing upon request .

Recommendation

For accurate CIF pricing, it is recommended to contact suppliers directly with specifications including aisle length, height, IP rating, and optional features. This ensures a tailored quotation reflecting shipping, insurance, and local import costs. Additionally, considering energy efficiency and sustainability incentives in Chile can optimize long-term operational costs.

Data Centers in Chile - List of Colocation and Cloud data facilities in Chile. Get Quotes and find Specs, Photos, Videos etc.

Our study defines the Chile data center cooling market as all air-based or liquid-based systems, allied controls, and

The Cold Aisle Containment (CAC) Systems Market represents a critical segment within the broader data center infrastructure

In Chile, the Data Center market shows a growing demand for cloud services and secure data storage solutions.

The Chile Cold Chain Logistics Market worth USD 562.09 million in 2026 is growing at a CAGR of 4.09% to reach

Enconnex offers customizable hot & cold aisle containment solutions. Save energy, reduce hotspots, &

Optimize energy efficiency and reduce cooling costs with Netlab India's Cold Aisle Containment System Solutions. Discover

Easy, Cost-Effective Containment High energy costs and accelerated energy consumption has forced data center managers to

AISLE CONTAINMENT Aisle containment is a crucial strategy in data center management. It involves the use of physical barriers or

In 2025, global Data Center Cold Aisle Containment System production reached approximately 73,810 units, with an

While either hot aisle or cold aisle containment systems can be installed and are both capable of increasing efficiency and cooling

Key Takeaways: Aisle Containments Market Global aisle containments market valued at \$1.8 billion in 2025 Expected to reach \$3.2

Chile Data Center Market is projected to grow from 410.59 MW in 2026 to 596.24 MW by 2031, at a CAGR of 7.75%,

However, not all data centers are the same and considerations must be taken to ensure

The Cool Shield hot & cold aisle containment black double sliding data center door is highly functional &

The analysis projects that the confluence of rising energy costs, corporate sustainability mandates, and increasing

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