

# **South & Central America Cold Storage Market Forecast to 2030 - Regional Analysis - by Application (Dairy Products, Meat and Seafood, Fruits and Vegetables, Pharmaceuticals, and Processed Food), Temperature Type (Chilled and Frozen), and Warehouse Type (Public and Private & Semi-Private)**

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## **Abstracts**

The South & Central America cold storage market was valued at US\$ 11,300.82 million in 2022 and is expected to reach US\$ 35,503.39 million by 2030; it is estimated to register a CAGR of 15.4% from 2022 to 2030.

### **Sustainable Refrigeration and Storage Technologies Fuel South & Central America Cold Storage Market**

The application of transcritical CO<sub>2</sub> systems uses carbon dioxide (CO<sub>2</sub>) as a refrigerant, which has a very low ozone depletion potential (ODP). Unlike conventional refrigerants such as hydrofluorocarbons (HFCs) or hydrochlorofluorocarbons (HCFCs), which contribute to ozone layer depletion, CO<sub>2</sub> does not damage the ozone layer. This characteristic makes cold storage transcritical CO<sub>2</sub> refrigeration systems environmentally friendly and supports global efforts to phase out ozone-depleting substances. Transcritical CO<sub>2</sub> systems have a substantially minimized global warming potential (GWP) compared to many conventional cold storage facilities. GWP measures the ability of greenhouse gases to impact global warming over a definite period. CO<sub>2</sub> has a GWP of 1, whereas HFCs commonly used in refrigeration systems have GWPs in the thousands or even tens of thousands. By using CO<sub>2</sub> as a refrigerant, transcritical systems help moderate climate change and reduce the carbon footprint of cooling and refrigeration applications. Overall, the low environmental impact of cold storage

transcritical CO<sub>2</sub> systems are driving the market by supporting global environmental objectives. As the need for sustainable refrigeration and storage solutions continues to develop, cold storage transcritical CO<sub>2</sub> technology offers a viable and smart option for businesses across various sectors. Furthermore, the application of cold thermal storage technology is also one of the environment-friendly alternatives for storage facilities that can provide opportunities for the cold storage market over the forecast period.

## South & Central America Cold Storage Market Overview

The increasing population, rising consumer income, and growing preference for processed and canned food have positively favored the cold storage market. The popularity and importance of cold storage facilities have soared in recent years owing to increased expenditure on convenience and frozen food, probiotics, pharmaceuticals, or fresh produce. Several industries, such as food & beverages, pharmaceuticals, and chemicals, rely on cold storage facilities to preserve their products. In the food industry, the mounting demand for frozen and fresh foods has made cold storage facilities crucial for preserving product freshness and avoiding spoilage. The pharmaceutical industry immensely depends on cold storage to conserve the effectiveness of temperature-controlled vaccines and drugs.

Globalization and expansion in transport logistics have also boosted the supply chain of various products nationally or internationally. This trend has improved the demand for cold storage facilities to make certain that the products reach consumers in ideal condition, preserving a necessary temperature, regardless of distance and time of travel.

Brazil, Argentina, Peru, Chile, and Uruguay are the major contributors to the cold storage market in the South & Central American region. Increasing per capita income, changing consumer food preferences, and busy lifestyles are the major factors boosting the demand for processed meat, fruits, vegetables, seafood, and fish products in South & Central America.

South & Central America Cold Storage Market Revenue and Forecast to 2030 (US\$ Million)

## South & Central America Cold Storage Market Segmentation

The South & Central America cold storage market is categorized into application,

temperature type, warehouse type, and country.

Based on application, the South & Central America cold storage market is segmented into dairy products, meat and seafood, fruits and vegetables, pharmaceuticals, and processed food. The meat and seafood segment held the largest South & Central America cold storage market share in 2022.

In terms of temperature type, the South & Central America cold storage market is bifurcated into chilled and frozen. The frozen segment held a larger South & Central America cold storage market share in 2022.

By warehouse type, the South & Central America cold storage market is segmented into public and private & semi-private. The public segment held a larger South & Central America cold storage market share in 2022.

By country, the South & Central America cold storage market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America cold storage market share in 2022.

SuperFrio Armazens Gerais SA, Frialsa Frigorificos SA de CV, Friozem Armazens Frigoreticos Ltda, Emergent Cold LatAm Management LLC, and Americold Realty Trust Inc, are some of the leading companies operating in the South & Central America cold storage market.

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