

South & Central America Transcritical CO2 Market Forecast to 2030 - Regional Analysis - by Application (Ice Skating Rinks, Food Processing & Storage Facilities, Heat Pumps, Supermarkets & Convenience Stores, and Others) and Function (Air Conditioning, Refrigeration, and Heating)

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Abstracts

The South & Central America transcritical CO2 market is expected to grow from US\$ 1,700.56 million in 2023 to US\$ 3,805.14 million by 2030. It is estimated to grow at a CAGR of 12.2% from 2023 to 2030.

Adoption of Transcritical CO2 Systems in Supermarkets and Convenience Stores Fuels the South & Central America Transcritical CO2 Market

Supermarkets and convenience stores often face consumer scrutiny regarding their environmental impact and sustainability practices. Adopting transcritical CO2 systems allows retailers to showcase their commitment to sustainability and environmental responsibility, improving their brand image and attracting eco-conscious consumers. Consumer demand for environmentally friendly products and services has been increasing, and retailers that embrace transcritical CO2 systems can differentiate themselves in the market and gain a competitive advantage. Moreover, transcritical CO2 systems offer operational flexibility and adaptability to varying ambient conditions. They can effectively operate in both subcritical and transcritical modes, allowing for optimal performance in different climates. The transcritical CO2 system design can be tailored to meet the specific needs of supermarkets and convenience stores, such as different refrigeration loads, store layouts, and product display requirements. The flexibility and customization options of transcritical CO2 systems make them suitable for these retail environments. Thus, all such advantages of transcritical CO2 systems are driving the market further.

South & Central America Transcritical CO2 Market Overview

The transcritical CO2 market in SAM is segmented into Brazil, Argentina, and the Rest of SAM. The growth of cold storage facilities in SAM has been notable in recent years, driven by various factors that contribute to the development of agricultural and food industries in the region. Many countries in SAM are major exporters of agricultural products such as fruits, vegetables, and meat. Cold storage facilities play a crucial role in preserving the quality and extending the shelf life of these perishable goods during transportation and distribution to international markets. Both domestic and international retail chains have been expanding their operations in SAM, driving the growth of the convenience store and supermarket market. Advancements in refrigeration technologies and cold storage management systems, such as transcritical CO2 systems, have made the operation of cold storage facilities more efficient and cost-effective. Thus, the growing adoption of cold storage, coupled with rising supermarkets and convenience stores, is driving the growth of the transcritical CO2 market in SAM.

South & Central America Transcritical CO2 Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Transcritical CO2 Market Segmentation

The South & Central America transcritical CO2 market is segmented into category, application, and country.

Based on application, the South & Central America transcritical CO2 market is segmented into ice skating rinks, food processing & storage facilities, heat pumps, supermarkets & convenience stores, and others. The supermarkets and convenience stores segment held the largest share of the South & Central America transcritical CO2 market in 2023.

Based on function, the South & Central America transcritical CO2 market is segmented into air conditioning, refrigeration, and heating. The refrigeration segment held the largest share of the South & Central America transcritical CO2 market in 2023.

Based on country, the South & Central America transcritical CO2 market is segmented into the Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America transcritical CO2 market in 2023.

Baltimore Aircoil Co, BITZER Kuhlmaschinenbau GmbH, Carrier Global Corp, Danfoss AS, Hussmann Corp, Emerson Electric Co, Panasonic Holdings Corp, and Mayekawa Manufacturing Co Ltd are among the leading companies operating in the South & Central America transcritical CO2 market.

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