

South & Central America Spiral Membrane Market Forecast to 2031 - Regional Analysis - by Membrane Type (Polyethersulfone, Polyamide, Fluoropolymers, and Others), Technology (Microfiltration, Ultrafiltration, Nanofiltration, and Reverse Osmosis), and End User (Food and Beverages, Dairy and Dairy Products, Brewery, Plant Based Products, Extracts, Others, Biotech and Biochemical, Pharma and Healthcare, Water Treatment (Municipal), Wastewater (Industrial), Chemicals, Oil and Gas, Textile/Pulp and Paper Industry, and Others)

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Abstracts

The South & Central America spiral membrane market was valued at US\$ 268.29 million in 2023 and is expected to reach US\$ 461.03 million by 2031; it is estimated to register a CAGR of 7.0% from 2023 to 2031.

Increasing Industrialization Coupled with Stringent Government Regulation for Environmental Safety Fuels South & Central America Spiral Membrane Market

Significant investment prospects and restructured business models in the post-pandemic scenario are the main factors contributing to rapid industrialization. As developing economies undergo significant transformation, with rapid growth in manufacturing, construction, and industrial sectors, the reliance on filtration solutions becomes paramount. With a surge in production activities, the need for filtration in manufacturing processes has also increased, which requires efficient filtration

membranes. Hence, spiral membranes are experiencing increased demand to ensure optimal performance and filtration efficiency in industrial processes such as industrial waste treatment. These membranes are widely used in nanofiltration or reverse osmosis across various industries, such as oil & gas, textile, paper & pulp, chemicals, petrochemicals, food & beverages, and pharmaceuticals. Moreover, the rise in government initiatives for achieving environmental safety and sustainability goals by imposing regulations on manufacturing industries is increasing the adoption of filtration processes. Thus, the rapid industrialization in developing economies and stringent government regulation for environmental safety are expected to create lucrative opportunities for the spiral membrane market growth during the forecast period.

South & Central America Spiral Membrane Market Overview

South & Central America has experienced significant industrial growth in sectors such as chemicals, food & beverages, pharmaceuticals, water & wastewater treatment, and oil & gas. Governments across the region are imposing stricter water quality standards to protect natural water bodies and ensure public health. According to the World Bank, in South America, approximately 40–60% of drinking water comes from aquifers that are facing the effects of the ever-growing pollution from excessive mining and agriculture. Spiral membranes, with their advanced filtration capabilities, are instrumental in helping industries and municipalities comply with these regulations by efficiently removing contaminants, thereby providing cleaner water for various uses. According to the United Nations Environment Programme, the Argentine chemical industry, the second most important industry in South & Central America after Brazil, holds 12.3% of the GDP of the local manufacturing industry, employing 110,000 people directly in over 70% of small- and medium-sized companies of the sector. The increase in industrial activities to meet domestic and international demands significantly boosts the requirement for spiral membranes across South & Central America. Further, according to the Association of Oil, Gas, and Renewable Energy Companies in Latin America and the Caribbean, countries in South & Central America such as Argentina, Brazil, Colombia, and Venezuela, dominate the oil and gas production. According to the US Energy Information Administration, more than 90% of Brazil's oil production is extracted from offshore deepwater oil fields. In addition, Brazil has ~13 billion barrels in oil reserves, which is the second largest in South & Central America after Venezuela.

South & Central America Spiral Membrane Market Revenue and Forecast to 2031 (US\$ Million)

South & Central America Spiral Membrane Market Segmentation

The South & Central America spiral membrane market is categorized into membrane type, technology, end user, and country.

Based on membrane type, the South & Central America spiral membrane market is segmented into polyethersulfone, polyamide, fluoropolymers, and others. The polyamide segment held the largest South & Central America spiral membrane market share in 2023.

In terms of technology, the South & Central America spiral membrane market is segmented into microfiltration, ultrafiltration, nanofiltration, and reverse osmosis. The reverse osmosis segment held the largest South & Central America spiral membrane market share in 2023.

By end user, the South & Central America spiral membrane market is divided into food and beverages, dairy and dairy products, brewery, plant-based products, extracts, others, biotech and biochemical, pharma and healthcare, water treatment (municipal), wastewater (industrial), chemicals, oil and gas, textile/pulp and paper industry, and others. The water treatment (municipal) segment held the largest South & Central America spiral membrane market share in 2023.

By country, the South & Central America spiral membrane market is segmented into Brazil, Argentina, and the Rest of South & Central America. Brazil dominated the South & Central America spiral membrane market share in 2023.

Alfa Laval AB, Toray Industries Inc, GEA Group AG, MANN+HUMMEL International GmbH & Co. KG, DuPont de Nemours Inc, Pentair Plc, Kovalus Separation Solutions Inc, UNISOL Membrane Technology, Membranium, Nitto Denko Corporation, and Veolia Environnement SA are some of the leading companies operating in the South & Central America spiral membrane market.

Reason to buy

Save and reduce time carrying out entry-level research by identifying the growth, size, leading players, and segments in the South & Central America spiral membrane market.

Highlights key business priorities in order to assist companies to realign their business strategies.

The key findings and recommendations highlight crucial progressive industry trends in the South & Central America spiral membrane market, thereby allowing players across the value chain to develop effective long-term strategies.

Develop/modify business expansion plans by using substantial growth offering developed and emerging markets.

Scrutinize in-depth South & Central America market trends and outlook coupled with the factors driving the South & Central America spiral membrane market, as well as those hindering it.

Enhance the decision-making process by understanding the strategies that underpin commercial interest with respect to client products, segmentation, pricing, and distribution.

Companies

Alfa Laval AB

Toray Industries Inc

GEA Group AG

MANN+HUMMEL International GmbH & Co. KG

DuPont de Nemours Inc

Pentair Plc

Kovalus Separation Solutions Inc

UNISOL Membrane Technology

Membranium

Nitto Denko Corporation

Veolia Environnement SA

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