

Portable Oxygen Concentrators Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Molecular Sieve Oxygen Concentrator, Macromolecule Oxygen Permeable Membrane Oxygen Concentrator, Electrolysis Oxygen Concentrator, Chemical Oxygen Concentrator, Others) By Deliver System (Continuous Flow, Pulse Flow) By Application (Chronic Obstructive Pulmonary Disease (COPD), Asthma, Respiratory Distress Syndrome, Sleep Apnea, Others) By End-User (Hospitals, Homecare Settings, Ambulatory Surgical Centers, Others) By Sales Channel (Direct Sales, Distributors) By Region & Competition, 2021-2031F

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Abstracts

The Global Portable Oxygen Concentrators Market is projected to expand from USD 3.79 Billion in 2025 to USD 6.66 Billion by 2031, reflecting a compound annual growth rate of 9.85%. These medical devices function by filtering nitrogen from ambient air to provide oxygen-enriched gas, thereby enabling mobility and independence for patients undergoing respiratory therapy. The market is primarily driven by a rapidly aging global population and a growing preference for home-based care over extended hospital stays. Additionally, the rising prevalence of respiratory conditions fuels a sustained demand for long-term oxygen therapy. According to the International Pharmaceutical Federation,

chronic obstructive pulmonary disease was estimated to affect 391 million individuals worldwide in 2024, underscoring the massive and expanding patient base requiring effective respiratory support.

However, market expansion faces a significant hurdle due to the high acquisition costs of mobile devices compared to traditional stationary tanks. Inconsistent reimbursement policies and limited public insurance coverage, particularly in developing nations, often compel patients to select less expensive delivery methods. These financial barriers restrict the broader adoption of portable units in cost-sensitive regions, limiting their reach despite the functional benefits they offer to patients.

Market Driver

The increasing exposure to environmental pollutants and tobacco smoke serves as a primary catalyst for the Global Portable Oxygen Concentrators Market. Deteriorating air quality directly aggravates chronic respiratory conditions, creating a critical need for mobile therapeutic devices that allow patients to manage symptoms despite adverse environmental factors. According to the American Lung Association's 'State of the Air 2024' report released in April 2024, over 131.2 million people in the United States lived in counties with unhealthy levels of ozone or particle pollution, representing a significant demographic vulnerable to long-term respiratory distress. This environmental burden drives a shift from stationary care to portable solutions, ensuring continuous oxygen delivery for active patients while mitigating the impact of poor air quality on compromised respiratory systems.

Simultaneously, technological advancements in device miniaturization and battery efficiency are reshaping the market by overcoming historical mobility barriers. Manufacturers are launching smart, lightweight units that integrate remote monitoring to enhance patient independence and treatment adherence. For instance, Belluscura PLC announced in November 2024 that it secured a \$4 million credit facility to support the launch of the DISCOV-R portable oxygen concentrator, a move driven by rising consumer demand. This surge in innovation is supported by substantial economic activity within the sector; Inogen, Inc. reported total revenue of \$315.7 million for the fiscal year 2023 in 2024, highlighting the enduring commercial viability and scale of the portable respiratory care market.

Market Challenge

The high acquisition cost of portable oxygen concentrators represents a significant

restraint on market growth, particularly when compared to the affordability of traditional stationary tanks. While portable units offer patients the advantage of mobility, the financial burden of purchasing or renting these devices hinders widespread adoption. This economic barrier is further compounded by restrictive reimbursement policies and insufficient insurance coverage, which often fail to account for the higher costs of mobile technology compared to standard delivery methods. Consequently, many patients, especially in cost-sensitive regions, are forced to rely on less expensive stationary alternatives, effectively stifling the demand for portable solutions.

According to the American Association for Homecare, Medicare reimbursement rates for key home medical equipment categories in non-rural areas saw reductions averaging 20.1 percent in 2024. This substantial decrease in financial support discourages providers from supplying higher-cost devices like portable concentrators, as reimbursement levels often do not cover the necessary operational expenses. As a result, the market experiences reduced penetration rates, with economic pressures limiting the availability of these mobility-enhancing devices to a smaller segment of the patient population.

Market Trends

The rising market preference for High-Efficiency Pulse Dose Technology is fundamentally reshaping the sector as patients increasingly prioritize mobility and lightweight designs over traditional continuous flow options. This delivery mechanism, which intelligently synchronizes oxygen release with the user's inhalation, allows for significantly smaller device architectures, directly addressing the growing demand for active lifestyle support. This shift toward more compact, efficient therapeutic solutions is supported by recent commercial performance; Inogen, Inc. reported a 19% year-over-year increase in unit sales volumes in its August 2025 'Second Quarter 2025 Financial Results' press release, attributing the surge to the accelerating market conversion from heavy traditional tanks to these portable, pulse-dose enabled concentrators.

Concurrently, there is a notable shift toward Modular and Field-Serviceable Product Designs aimed at mitigating the high operational expenses associated with device maintenance. Manufacturers are increasingly engineering units with user-replaceable components, such as sieve columns and battery cells, which eliminates the need for costly factory returns and reduces critical device downtime for patients. This design philosophy is becoming a central value proposition for providers seeking to minimize total cost of ownership; according to a Tekcapital article from April 2025 titled 'Portable Oxygen Concentrator Market Poised for Global Expansion,' Belluscura's adoption of a

modular platform for its DISCOV-R device is highlighted as a strategic innovation designed to future-proof patient care while significantly streamlining the serviceability of respiratory assets.

Key Market Players

Inogen, Inc.

Koninklijke Philips N.V.

CAIRE Inc.

Drive DeVilbiss Healthcare

ResMed Inc.

O2 Concepts LLC

Precision Medical Inc.

Nidek Medical Products Inc.

GCE Group

Besco Medical Co., Ltd.

Report Scope

In this report, the Global Portable Oxygen Concentrators Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Portable Oxygen Concentrators Market, By Type

Molecular Sieve Oxygen Concentrator

Macromolecule Oxygen Permeable Membrane Oxygen Concentrator

Electrolysis Oxygen Concentrator

Chemical Oxygen Concentrator

Others

Portable Oxygen Concentrators Market, By Deliver System

Continuous Flow

Pulse Flow

Portable Oxygen Concentrators Market, By Application

Chronic Obstructive Pulmonary Disease (COPD)

Asthma

Respiratory Distress Syndrome

Sleep Apnea

Others

Portable Oxygen Concentrators Market, By End-User

Hospitals

Homecare Settings

Ambulatory Surgical Centers

Others

Portable Oxygen Concentrators Market, By Sales Channel

Direct Sales

Distributors

Portable Oxygen Concentrators Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Portable Oxygen Concentrators Market.

Available Customizations:

Global Portable Oxygen Concentrators Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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