

# Global PSA Oxygen Generator Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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# **Abstracts**

According to our (Global Info Research) latest study, the global PSA Oxygen Generator market size was valued at USD 2987.2 million in 2023 and is forecast to a readjusted size of USD 4586.4 million by 2030 with a CAGR of 6.3% during review period.

Pressure Swing Adsorbtion (PSA) is the most commonly used non-cryogenic oxygen production process; most effective for small and medium capacities. The process operates by using two columns filled with adsorbent, a molecular sieve called Zeolite. Pre-treated compressed air enters the first column and follows up through the Zeolite. Nitrogen and some other gases are being trapped while the oxygen is allowed to flow through. When the active column is saturated, the air flow is directed to second column. The first column depressurizes allowing nitrogen to be purged out to the atmosphere and completely regenerates. The process is repeated continuously, when one column is productive, the other regenerates and at the end of each cycle they switch roles. The generator produces constant flow of purified oxygen.

The oxygen production industry is a huge industry. Generally speaking, the market can be divided into two market segments: industrial oxygen and medical oxygen. In the industrial oxygen market, the most common equipment used by industrial manufacturers is an air separation unit. Although the air separation unit also uses PSA technology, it is not classified as a PSA oxygen generator. Therefore, it is necessary to explain the statistical scope of the report. The report covers industrial oxygen generators and medical oxygen generators used in various industries. In general, the price of industrial oxygen generators is relatively high, ranging from thousands of dollars to tens of thousands of dollars. Most industrial oxygen generators are on-site oxygen generators. The price of medical oxygen generators is relatively cheap, ranging from



small tens of dollars to thousands of dollars. Of course, large on-site oxygen generators can also be used in the medical field.

Key manufacturers of Global PSA Oxygen Generator Market are mainly Inogen, NGK Spark Plug and Yuyue Medical. These top 3 companies made a total market share of over 76% in 2019.

From the perspective of regions, Middle East and Africa is in the leading position with a market share of nearly 47%, following by North America and Europe, accounted for about 27% and 17% of global market in 2019.

The Global Info Research report includes an overview of the development of the PSA Oxygen Generator industry chain, the market status of Industrial Oxygen (Small PSA Oxygen Generator, Large PSA Oxygen Generator), Medical Oxygen (Small PSA Oxygen Generator, Large PSA Oxygen Generator), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of PSA Oxygen Generator.

Regionally, the report analyzes the PSA Oxygen Generator markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global PSA Oxygen Generator market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the PSA Oxygen Generator market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the PSA Oxygen Generator industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Small PSA Oxygen Generator, Large PSA Oxygen Generator).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and



market dynamics. This analysis helps in understanding the key drivers and challenges influencing the PSA Oxygen Generator market.

Regional Analysis: The report involves examining the PSA Oxygen Generator market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the PSA Oxygen Generator market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to PSA Oxygen Generator:

Company Analysis: Report covers individual PSA Oxygen Generator manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards PSA Oxygen Generator This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Industrial Oxygen, Medical Oxygen).

Technology Analysis: Report covers specific technologies relevant to PSA Oxygen Generator. It assesses the current state, advancements, and potential future developments in PSA Oxygen Generator areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the PSA Oxygen Generator market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation



PSA Oxygen Generator market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type
Small PSA Oxygen Generator
Large PSA Oxygen Generator
Market segment by Application
Industrial Oxygen
Medical Oxygen
Major players covered
Inogen
NGK Spark Plug
Yuyue Medical
Invacare
Teijin Pharma
Philips
Linde
Atlas Copco
DeVilbiss Healthcare
Delta P



Resivied
Pacific Consolidated Industries
O2 Concepts
Air Water Group
Beijing Shenlu
Novair Medical
Oxymat A/S
Inmatec
Market segment by region, regional analysis covers  North America (United States, Canada and Mexico)  Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)  Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)  South America (Brazil, Argentina, Colombia, and Rest of South America)  Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)
The content of the study subjects, includes a total of 15 chapters:  Chapter 1, to describe PSA Oxygen Generator product scope, market overview, market
estimation caveats and base year.

Global PSA Oxygen Generator Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

revenue and global market share of PSA Oxygen Generator from 2019 to 2024.

Chapter 2, to profile the top manufacturers of PSA Oxygen Generator, with price, sales,



Chapter 3, the PSA Oxygen Generator competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PSA Oxygen Generator breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023.and PSA Oxygen Generator market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of PSA Oxygen Generator.

Chapter 14 and 15, to describe PSA Oxygen Generator sales channel, distributors, customers, research findings and conclusion.



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