

Global Membrane Air Dryers Market Size study & Forecast, by Product (Porous and Non-Porous), by Application (Food & Beverage, Medical, Industrial, Telecommunication and Others) and Regional Analysis, 2023-2030

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Abstracts

Global Membrane Air Dryers Market is valued at approximately USD XX billion in 2022 and is anticipated to grow with a healthy growth rate of more than XX% during the forecast period 2023-2030. Membrane air dryers offer a range of benefits, playing a crucial role in enhancing the efficiency and longevity of air compressor systems. These advantages include lowering the dew point of air and eliminating contaminants that can have adverse effects on the air compressor. The membranes employed in these dryers facilitate the production of dry and clean air, contributing to more efficient system operation and mitigating issues such as rust and corrosion caused by contaminated or excessively moist air.

The ability of membrane air dryers to produce dry and clean air is particularly significant in preventing the growth of rust and corrosion. This, in turn, extends the lifespan of the air compressor system. The demand for such air dryers is expected to witness a substantial increase over the coming years due to these operational and maintenance benefits. The market for membrane air dryers is anticipated to experience growth driven by the rising demand across various application areas. Sectors such as medical, food & beverage, and telecommunications are expected to be key contributors to this demand, as they increasingly recognize the importance of clean and dry air for their operations. The heightened emphasis on maintaining air quality in these industries is likely to fuel the adoption of membrane air dryers. Additionally, the market is poised to benefit from increased adoption driven by the need to enhance system operational efficiency and, consequently, reduce maintenance costs. As businesses seek ways to optimize their

processes and minimize operational expenses, the efficiency gains offered by membrane air dryers become a compelling factor. In summary, the membrane air dryer market is expected to grow over the next few years, fueled by the increasing demand in various industries, the emphasis on clean air in critical sectors, and the drive towards improved operational efficiency and cost reduction.

The key regions considered for the Global Membrane Air Dryers Market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. North America reigned supreme in the membrane air dryers' market in 2023, propelled by surging demand from the telecommunications, medical, and food & beverage sectors. Stringent regulations governing food processing practices, particularly in North America, are expected to further fuel the regional market's growth throughout the forecast period. For example, 3-A Sanitary Standards, developed in collaboration with the European Hygienic Engineering & Design Group and the U.S. Public Health Service, establish clear guidelines for filtering systems used in the production of dairy products and culinary steam.

Major market player included in this report are:

Atlas Copco AB

Compressed Air Parts Company LLP

Donaldson Company, Inc.

Gardner Denver

Graco Inc.

Hankison

Industrial Air Power

Ingersoll Rand

Pentain Corp

Sullair Inc

Recent Developments in the Market:

In October 2022, a notable collaboration was announced between PARKER HANNIFIN CORP's Engine Mobile Filtration EMEA Division and the Fraunhofer Institute for Microengineering and Microsystems. The partnership is geared towards advancing and testing an innovative technology centered around hollow fiber membranes, specifically designed for fuel cell humidification purposes.

In August 2022, GMM Pfaudler made a significant move by acquiring Hydro Air Research Italia, a company specializing in the development of water-recycling plants that adhere to stringent environmental regulations, producing water suitable for reuse or discharge. This strategic acquisition not only provides Hydro Air Research Italia with

access to GMM Pfaudler's global sales and service networks but also enhances GMM Pfaudler's capabilities in process and wastewater engineering.

Global Membrane Air Dryers Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Rest of the World

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product:

Porous

Non-Porous

By Application:

Food & Beverage

Medical

Industrial

Telecommunication

Others

By Region:

North America

U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE
Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

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