

## **Global Pneumatic Nebulizer Market Report and Forecast 2024-2032**

Market Report | 2023-10-01 | 140 pages | EMR Inc.

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### **Report description:**

Global Pneumatic Nebulizers Market Report and Forecast 2024-2032

Global Pneumatic Nebulizers Market Outlook

The global pneumatic nebulizers market size was valued at USD 782.4 million in 2023, driven by an upswing in respiratory diseases such as asthma, COPD, and more recently, complications associated with COVID-19 across the globe. The market size is anticipated to grow at a CAGR of 6.8% during the forecast period of 2024-2032 to achieve a value of USD 1416.1 million by 2032.

Pneumatic Nebulizers: Introduction

Pneumatic nebulizers are medical devices designed to convert liquid medication into a fine mist or aerosol, facilitating easier and more effective delivery of the medication to a patient's respiratory system. These devices primarily consist of a compressed air source, a nebulization chamber, and a mask or mouthpiece. When activated, the compressed air flows into the nebulization chamber containing the liquid medication. This air stream turns the medication into tiny aerosol droplets, which the patient then inhales through the mask or mouthpiece.

Pneumatic nebulizers are commonly used in the treatment of respiratory diseases such as asthma, chronic obstructive pulmonary disease (COPD), and cystic fibrosis. By directly delivering medication to the lungs, they offer rapid symptom relief and improved drug efficacy. There are two main types of pneumatic nebulizers: jet nebulizers (which are most common) and ultrasonic nebulizers. Jet nebulizers utilize the power of compressed air, while ultrasonic nebulizers use high-frequency sound waves to produce the mist.

Key Trends in the Global Pneumatic Nebulizers Market

The global pneumatic nebulizers market has been evolving rapidly, propelled primarily by the escalating prevalence of respiratory diseases like asthma, COPD, and the respiratory implications of COVID-19. Technological advancements have birthed compact

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and efficient models, with a marked shift towards battery-operated, portable devices catering to the needs of mobile patients. The healthcare landscape is also witnessing a surge in home-based treatments, leading to a heightened demand for home-use nebulizers. In tandem with this, the integration of digital features, ranging from dose counters to smartphone connectivity, is transforming treatment monitoring and patient adherence.

The burgeoning healthcare infrastructures in emerging markets present vast growth opportunities, further amplifying market expansion. Yet, manufacturers remain vigilant, navigating a complex regulatory environment and increasingly emphasizing eco-friendly, sustainable designs in response to global environmental concerns. In essence, the pneumatic nebulizers market is in a dynamic phase, balancing innovation with regulatory and sustainability challenges.

#### Global Pneumatic Nebulizers Market Segmentation

##### Market Breakup by Product Type

- Breath Actuated Nebulizer
- Vented Nebulizer

##### Market Breakup by Application

- Chronic Obstructive Pulmonary Disease (COPD)
- Asthma
- Cystic Fibrosis
- Others

##### Market Breakup by End User

- Hospitals and Clinics
- Ambulatory Surgical Centres
- Home Healthcare
- Others

##### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Global Pneumatic Nebulizers Market Overview

The global pneumatic nebulizers market, central to respiratory care, is witnessing significant growth driven by an upswing in respiratory diseases such as asthma, COPD, and more recently, complications associated with COVID-19. These devices, which efficiently convert liquid medication into a fine aerosol mist for direct lung delivery, have become indispensable in both clinical settings and home care. Modern advancements have led to the development of compact, user-friendly, and portable nebulizers, making treatments more accessible and convenient, especially for chronic patients. As the trend towards home healthcare gains momentum, the demand for home-use variants of these devices is rising exponentially.

Additionally, the market's expansion is significantly benefited from the growth in emerging economies, where healthcare infrastructure and awareness about respiratory diseases are steadily improving. However, the market also grapples with challenges, including navigating the stringent regulatory landscape for medical device approvals. Yet, with ongoing technological

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innovations, a focus on sustainability, and the pressing need for effective respiratory care, the global pneumatic nebulizers market is poised for sustained growth in the foreseeable future.

#### Global Pneumatic Nebulizers Market: Competitor Landscape

The key features of the market report include patent analysis, grants analysis, clinical trials analysis, funding and investment analysis, partnerships, and collaborations analysis by the leading key players. The major companies in the market are as follows:

- Koninklijke Philips N.V.
- DeVilbiss Healthcare
- OMRON Corporation
- PARI Pharma
- Briggs Healthcare
- General Electric Company
- Heyer Medical AG
- Allied Healthcare Products, Inc.
- Vectura Group plc
- Phillips Respironics
- Agilent Technologies Inc.
- Salter Labs

We at Expert Market Research always strive to provide you with the latest information. The numbers in the article are only indicative and may be different from the actual report.

#### Table of Contents:

- 1 Preface
  - 1.1 Objectives of the Study
  - 1.2 Key Assumptions
  - 1.3 Report Coverage - Key Segmentation and Scope
  - 1.4 Research Methodology
- 2 Executive Summary
- 3 Global Pneumatic Nebulizer Market Overview
  - 3.1 Global Pneumatic Nebulizer Market Historical Value (2017-2023)
  - 3.2 Global Pneumatic Nebulizer Market Forecast Value (2024-2032)
- 4 Global Pneumatic Nebulizer Market Landscape
  - 4.1 Global Pneumatic Nebulizer Developers Landscape
    - 4.1.1 Analysis by Year of Establishment
    - 4.1.2 Analysis by Company Size
    - 4.1.3 Analysis by Region
  - 4.2 Global Pneumatic Nebulizer Product Landscape
    - 4.2.1 Analysis by Product Type
    - 4.2.2 Analysis by Application
- 5 Global Pneumatic Nebulizer Market Dynamics
  - 5.1 Market Drivers and Constraints
  - 5.2 SWOT Analysis

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- 5.3 Porter's Five Forces Model
- 5.4 Key Demand Indicators
- 5.5 Key Price Indicators
- 5.6 Industry Events, Initiatives, and Trends
- 5.7 Value Chain Analysis
- 6 Global Pneumatic Nebulizer Market Segmentation
  - 6.1 Global Pneumatic Nebulizer Market by Product Type
    - 6.1.1 Market Overview
    - 6.1.2 Breath Actuated Nebulizer
    - 6.1.3 Vented Nebulizer
  - 6.2 Global Pneumatic Nebulizer Market by Application
    - 6.2.1 Market Overview
    - 6.2.2 Chronic Obstructive Pulmonary Disease (COPD)
    - 6.2.3 Asthma
    - 6.2.4 Cystic Fibrosis
    - 6.2.5 Others
  - 6.3 Global Pneumatic Nebulizer Market by End User
    - 6.3.1 Market Overview
    - 6.3.2 Hospitals and Clinics
    - 6.3.3 Ambulatory Surgical Centres
    - 6.3.4 Home Healthcare
    - 6.3.5 Others
  - 6.4 Global Pneumatic Nebulizer Market by Region
    - 6.4.1 Market Overview
    - 6.4.2 North America
    - 6.4.3 Europe
    - 6.4.4 Asia Pacific
    - 6.4.5 Latin America
    - 6.4.6 Middle East and Africa
- 7 North America Pneumatic Nebulizer Market
  - 7.1 Market Share by Country
  - 7.2 United States of America
  - 7.3 Canada
- 8 Europe Pneumatic Nebulizer Market
  - 8.1 Market Share by Country
  - 8.2 United Kingdom
  - 8.3 Germany
  - 8.4 France
  - 8.5 Italy
  - 8.6 Others
- 9 Asia Pacific Pneumatic Nebulizer Market
  - 9.1 Market Share by Country
  - 9.2 China
  - 9.3 Japan
  - 9.4 India
  - 9.5 ASEAN
  - 9.6 Australia

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- 9.7 Others
- 10 Latin America Pneumatic Nebulizer Market
  - 10.1 Market Share by Country
  - 10.2 Brazil
  - 10.3 Argentina
  - 10.4 Mexico
  - 10.5 Others
- 11 Middle East and Africa Pneumatic Nebulizer Market
  - 11.1 Market Share by Country
  - 11.2 Saudi Arabia
  - 11.3 United Arab Emirates
  - 11.4 Nigeria
  - 11.5 South Africa
  - 11.6 Others
- 12 Patent Analysis
  - 12.1 Analysis by Type of Patent
  - 12.2 Analysis by Publication year
  - 12.3 Analysis by Issuing Authority
  - 12.4 Analysis by Patent Age
  - 12.5 Analysis by CPC Analysis
  - 12.6 Analysis by Patent Valuation
  - 12.7 Analysis by Key Players
- 13 Grants Analysis
  - 13.1 Analysis by year
  - 13.2 Analysis by Amount Awarded
  - 13.3 Analysis by Issuing Authority
  - 13.4 Analysis by Grant Application
  - 13.5 Analysis by Funding Institute
  - 13.6 Analysis by NIH Departments
  - 13.7 Analysis by Recipient Organization
- 14 Funding Analysis
  - 14.1 Analysis by Funding Instances
  - 14.2 Analysis by Type of Funding
  - 14.3 Analysis by Funding Amount
  - 14.4 Analysis by Leading Players
  - 14.5 Analysis by Leading Investors
  - 14.6 Analysis by Geography
- 15 Partnership and Collaborations Analysis
  - 15.1 Analysis by Partnership Instances
  - 15.2 Analysis by Type of Partnership
  - 15.3 Analysis by Leading Players
  - 15.4 Analysis by Geography
- 16 Regulatory Framework
  - 16.1 Regulatory Overview
    - 16.1.1 US FDA
    - 16.1.2 EU EMA
    - 16.1.3 INDIA CDSCO

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- 16.1.4 JAPAN PMDA
- 16.1.5 Others
- 17 Supplier Landscape
  - 17.1 Koninklijke Philips N.V.
    - 17.1.1 Financial Analysis
    - 17.1.2 Product Portfolio
    - 17.1.3 Demographic Reach and Achievements
    - 17.1.4 Mergers and Acquisitions
    - 17.1.5 Certifications
  - 17.2 DeVilbiss Healthcare
    - 17.2.1 Financial Analysis
    - 17.2.2 Product Portfolio
    - 17.2.3 Demographic Reach and Achievements
    - 17.2.4 Mergers and Acquisitions
    - 17.2.5 Certifications
  - 17.3 OMRON Corporation
    - 17.3.1 Financial Analysis
    - 17.3.2 Product Portfolio
    - 17.3.3 Demographic Reach and Achievements
    - 17.3.4 Mergers and Acquisitions
    - 17.3.5 Certifications
  - 17.4 PARI Pharma
    - 17.4.1 Financial Analysis
    - 17.4.2 Financial Portfolio
    - 17.4.3 Demographic Reach and Achievements
    - 17.4.4 Mergers and Acquisitions
    - 17.4.5 Certifications
  - 17.5 Briggs Healthcare
    - 17.5.1 Financial Analysis
    - 17.5.2 Product Portfolio
    - 17.5.3 Demographic Reach and Achievements
    - 17.5.4 Mergers and Acquisitions
    - 17.5.5 Certifications
  - 17.6 General Electric Company
    - 17.6.1 Financial Analysis
    - 17.6.2 Product Portfolio
    - 17.6.3 Demographic Reach and Achievements
    - 17.6.4 Mergers and Acquisitions
    - 17.6.5 Certifications
  - 17.7 Heyer Medical AG
    - 17.7.1 Financial Analysis
    - 17.7.2 Product Portfolio
    - 17.7.3 Demographic Reach and Achievements
    - 17.7.4 Mergers and Acquisitions
    - 17.7.5 Certifications
  - 17.8 Allied Healthcare Products, Inc.
    - 17.8.1 Financial Analysis

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- 17.8.2 Product Portfolio
- 17.8.3 Demographic Reach and Achievements
- 17.8.4 Mergers and Acquisitions
- 17.8.5 Certifications
- 17.9 Vectura Group plc
  - 17.9.1 Financial Analysis
  - 17.9.2 Product Portfolio
  - 17.9.3 Demographic Reach and Achievements
  - 17.9.4 Mergers and Acquisitions
  - 17.9.5 Certifications
- 17.10 Phillips Respironics
  - 17.10.1 Financial Analysis
  - 17.10.2 Product Portfolio
  - 17.10.3 Demographic Reach and Achievements
  - 17.10.4 Mergers and Acquisitions
  - 17.10.5 Certifications
- 17.11 Agilent Technologies Inc.
  - 17.11.1 Financial Analysis
  - 17.11.2 Product Portfolio
  - 17.11.3 Demographic Reach and Achievements
  - 17.11.4 Mergers and Acquisitions
  - 17.11.5 Certifications
- 17.12 Salter Labs
  - 17.12.1 Financial Analysis
  - 17.12.2 Product Portfolio
  - 17.12.3 Demographic Reach and Achievements
  - 17.12.4 Mergers and Acquisitions
  - 17.12.5 Certifications
- 18 Global Pneumatic Nebulizer Market - Distribution Model (Additional Insight)
  - 18.1 Overview
  - 18.2 Potential Distributors
  - 18.3 Key Parameters for Distribution Partner Assessment
- 19 Key Opinion Leaders (KOL) Insights (Additional Insight)
- 20 Company Competitiveness Analysis (Additional Insight)
  - 20.1 Very Small Companies
  - 20.2 Small Companies
  - 20.3 Mid-Sized Companies
  - 20.4 Large Companies
  - 20.5 Very Large Companies
- 21 Payment Methods (Additional Insight)
  - 21.1 Government Funded
  - 21.2 Private Insurance
  - 21.3 Out-of-Pocket

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