

# **Air Filter Cartridges Market by Type (Polyester Fiber, Wood Pulp Fiber), Application (Petroleum and Chemical, Mechanical Manufacturing, Food and Drugs, and Others), and Region 2023-2028**

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## **Abstracts**

### **Market Overview:**

The global air filter cartridges market size reached US\$ 2.02 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.7 Billion by 2028, exhibiting a growth rate (CAGR) of 5.10% during 2023-2028. The significant increase in air pollution levels due to the rising emissions, stringent government regulations to control air pollution, and the rapid expansion of the automotive production facilities represent some of the key factors driving the market.

Air filter cartridges are cylindrical shaped devices that comprise a filtering medium enclosed in a sturdy housing, that are utilized in a wide range of industrial applications to effectively eliminate airborne contaminants. These cartridges primarily consist of a porous filtering medium, such as fiberglass, synthetic fibers, or activated carbon, that are enclosed in a durable housing, thereby preventing air leakage. They are available in a wide range of sizes and configurations, that are tailored to match diverse filtration systems, with their dimensions and shape determined by the particular application and compatible equipment. The air filter cartridges function by drawing contaminated air through a porous filtering medium, capturing and retaining particles, and then releasing clean air free from most contaminants. By capturing allergens, such as pollen and pet dander, they effectively remove airborne particles and pollutants, enhancing indoor air quality and safeguarding equipment from damage caused by dust or debris. As a result, they find extensive applications in HVAC systems, industrial processes, and air purification systems.

### Air Filter Cartridges Market Trends:

The global market is primarily driven by the significant increase in air pollution levels due to rising emissions from industries and urban regions. In line with this, stringent regulations and emission standards implemented by the government bodies of several countries to control air pollution is resulting in a higher uptake of effective air filtration systems to ensure compliance, thereby propelling the market. Moreover, the rising awareness of indoor air quality, various air pollutants and their adverse effects on health is resulting in higher installations of air filter cartridges in household HVAC systems, air purifiers, and ventilation systems. In addition to this, the rapid expansion of the automotive production facilities is leading to rapid product utilization in automobile air filtration systems, which in turn is creating a positive market outlook. The market is further driven by the advent of innovative and value-adding product variants equipped with self-cleaning mechanisms and antimicrobial coatings. Apart from this, the rising prevalence of numerous airborne diseases is further propelling the demand for air filter cartridges among the masses. Some of the other factors contributing to the market include an enhanced focus on sustainable development, rapid infrastructure development in healthcare industry, and considerable growth in the energy and power generation sectors.

### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global air filter cartridges market, along with forecasts at the global, regional, and country levels from 2023-2028. Our report has categorized the market based on type and application.

### Type Insights:

Polyester Fiber  
Wood Pulp Fiber

The report has provided a detailed breakup and analysis of the air filter cartridges market based on the type. This includes polyester fiber and wood pulp fiber.

### Application Insights:

Petroleum and Chemical  
Mechanical Manufacturing  
Food and Drugs  
Others

A detailed breakup and analysis of the air filter cartridges market based on the application has also been provided in the report. This includes petroleum and chemical, mechanical manufacturing, food and drugs, and others. According to the report, mechanical manufacturing accounted for the largest market share.

#### Regional Insights:

##### North America

United States

Canada

##### Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

##### Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

##### Latin America

Brazil

Mexico

Others

##### Middle East and Africa

The report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, Asia-Pacific was the largest market for air filter cartridges. Some of the factors driving the

Asia-Pacific air filter cartridges market included the rising air pollution levels, rapid urbanization and industrialization, and rapid expansion of automotive manufacturing facilities.

#### Competitive Landscape:

The report has also provided a comprehensive analysis of the competitive landscape in the global air filter cartridges market. The detailed profiles of all major companies have been provided. Some of the companies covered include Camfil, Donaldson Company Inc., Eaton Corporation plc, Festo SE & Co KG, Filter Concept Private Limited, Freudenberg Filtration Technologies GmbH & Co. KG (Freudenberg & Co. KG), Micronics Engineered Filtration Group Inc., Parker Hannifin Corporation, U.S. Air Filtration Inc., etc. Kindly note that this only represents a partial list of companies, and the complete list has been provided in the report.

#### Key Questions Answered in This Report:

How has the global air filter cartridges market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global air filter cartridges market?

What is the impact of each driver, restraint, and opportunity on the global air filter cartridges market?

What are the key regional markets?

Which countries represent the most attractive air filter cartridges market?

What is the breakup of the market based on the type?

Which is the most attractive type in the air filter cartridges market?

What is the breakup of the market based on the application?

Which is the most attractive application in the air filter cartridges market?

What is the competitive structure of the global air filter cartridges market?

Who are the key players/companies in the global air filter cartridges market?

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