

# **Mist Eliminator Market Forecasts to 2030 – Global Analysis By Type (Vane, Mesh, Fiber Bed, Cyclonic, and Other Types), Material, Flow Direction, Application, End User and By Geography**

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## **Abstracts**

According to Statistics MRC, the Global Mist Eliminator Market is accounted for \$692.43 million in 2024 and is expected to reach \$987.79 million by 2030 growing at a CAGR of 6.1% during the forecast period. A mist eliminator is a device used to separate liquid droplets or mist from gas or air streams in industrial processes. It works by capturing and removing tiny droplets that could cause operational issues such as corrosion, contamination, or inefficient processes. Mist eliminators are commonly used in industries like oil & gas, petrochemical, power generation, and chemical manufacturing to ensure cleaner air, improve operational efficiency, and reduce environmental impact.

According to the US Energy Information Administration (EIA), the global oil demand has reached 99.9 million barrels/ day in 2020, down by 90,000 barrels/day from 2019. To mitigate the impact and to recover the oil prices, the OPEC countries and Russia had decided to slash output by 9.7 million barrels/day in May and June 2020.

Market Dynamics:

Driver:

Increasing awareness of workplace safety

Organizations are increasingly prioritizing the health and safety of their employees by implementing advanced mist elimination technologies. Mist eliminators help reduce the

exposure to harmful airborne particles, ensuring a safer working environment. The stringent regulations and standards set by government bodies regarding workplace safety further boost the adoption of mist eliminators. Additionally, the rise in industrial activities and the need to comply with safety guidelines drive the demand for effective mist control solutions. As a result, the mist eliminator market is expected to witness substantial growth during the forecast period.

#### Restraint:

##### Material corrosion and durability issues

Mist eliminators are often exposed to harsh and corrosive environments, leading to wear and tear over time. The need for frequent maintenance and replacement of damaged components increases operational costs for end-users. Additionally, the limited availability of corrosion-resistant materials further exacerbates the problem. The lack of durable and long-lasting solutions can deter potential buyers from investing in mist eliminators. Addressing these issues requires the development of advanced materials and technologies to enhance the longevity and performance of mist eliminators.

#### Opportunity:

##### Rising demand for high-quality products

The necessity for effective air pollution management, industrial growth, and strict environmental regulations are driving the mist eliminator market. Advanced mist eliminators are necessary for industries like oil and gas, chemicals, power generation, and pharmaceuticals to improve operating efficiency and adhere to emission regulations. The advantages of lowering liquid carryover and growing workplace safety awareness are two factors driving market expansion. In order to increase separation efficacy, durability, and cost-effectiveness, manufacturers are concentrating on high-performance materials and creative designs. Premium mist eliminators are becoming more and more in demand as enterprises look for dependable ways to run cleaner operations.

#### Threat:

##### Low adoption in small-scale industries

Small-scale industries often face financial constraints, limiting their ability to invest in advanced air pollution control technologies. This lack of awareness and perceived high costs can lead to reluctance in adopting mist eliminators, which are crucial for maintaining air quality and meeting environmental regulations. As a result, the market for mist eliminators may struggle to expand within this sector, hindering overall growth potential and leading to missed opportunities for suppliers and manufacturers targeting these industries.

### Covid-19 Impact

The COVID-19 pandemic negatively impacted the Mist Eliminator market due to disruptions in manufacturing and supply chains. Lockdowns, labor shortages, and plant closures hindered market expansion by slowing output and delaying shipments. The need for air quality management solutions also declined as a result of numerous industries temporarily ceasing operations or experiencing financial difficulties. However, as long-term companies prioritize clean air and environmental compliance, the increasing attention on health and safety standards following the epidemic is anticipated to fuel future demand.

The distillation tower segment is expected to be the largest during the forecast period

The distillation tower segment is expected to account for the largest market share during the forecast period, due to the use of mist eliminators in distillation towers. As industries focus on enhancing air quality and meeting environmental regulations, mist eliminators help reduce contaminants, improve operational efficiency, and ensure safety. The increasing implementation of stringent environmental standards and regulations across various sectors, such as chemical, petrochemical, and pharmaceuticals, further accelerates the adoption of mist eliminators in distillation towers.

The wastewater treatment segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the wastewater treatment segment is predicted to witness the highest growth rate. As industries prioritize reducing water contamination and meeting stringent environmental regulations, mist eliminators are used to capture mist droplets in wastewater treatment processes. This ensures cleaner discharge and reduces air pollution. The growing emphasis on sustainability, stricter regulations, and the push for improved waste management practices across industries significantly boost the demand

for mist eliminators in wastewater treatment systems.

Region with largest share:

During the forecast period, Asia Pacific region is expected to hold the largest market share, owing to rapid industrialization, especially in China and India, has increased the demand for mist eliminators in sectors like power generation, chemicals, and oil & gas. Stricter government regulations on air quality further fuel adoption. Additionally, technological advancements and growing awareness of workplace safety enhance market growth, positioning Asia-Pacific as a key revenue contributor in the global industry.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, fuelled by stringent environmental regulations and the need for cleaner industrial emissions. The region's strong presence in power generation, pharmaceuticals, and oil & gas industries boosts demand for efficient mist elimination technologies. Technological advancements and sustainability initiatives further propel market growth. Additionally, increasing investments in manufacturing and petrochemical sectors reinforce North America's role as a key player in the global mist eliminator market.

Key players in the market

Some of the key players profiled in the Mist Eliminator Market include Pall Corporation, FLSmidth, Eaton Corporation, Mott Corporation, Schneider Electric, Parker Hannifin Corporation, Filtermist International Ltd., Clarcor Industrial Air, Gulf Coast Environmental Systems, Aero Mist, Cecilware Corporation, SEFAR AG, Cameron, John Crane, and Donaldson Company, Inc.

Key Developments:

In September 2024, Eaton announced the signing of a Memorandum of Understanding (MoU) with the Government of Tamil Nadu. This agreement marks a significant step in Eaton's expansion plans for its Crouse-Hinds and B-Line business, reinforcing the company's commitment to driving innovation and growth in India through its sustainable solutions.

In March 2023, Mott Corporation announced that it has acquired Digested Organics, a

Michigan-based engineering company that manufactures advanced filtration solutions to help customers reduce wastewater disposal costs, reclaim clean water for reuse, and produce valuable co-products.

#### Types Covered:

Vane

Mesh

Fiber Bed

Cyclonic

Other Types

#### Materials Covered:

Metal

Plastic

Fiberglass Reinforced Plastic (FRP)

Other Materials

#### Flow Directions Covered:

Vertical Flow

Horizontal Flow

#### Applications Covered:

Distillation Tower

Evaporator

Knockout Drum

Scrubber

Other Applications

#### End Users Covered:

Industrial Manufacturing

Chemicals & Petrochemical

Wastewater Treatment

Oil & Gas

Power Generation

Pharmaceutical

Other End Users

#### Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2022, 2023, 2024, 2026, and 2030
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

#### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

#### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

## Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

## Contents

### **1 EXECUTIVE SUMMARY**

### **2 PREFACE**

- 2.1 Abstract
- 2.2 Stake Holders
- 2.3 Research Scope
- 2.4 Research Methodology
  - 2.4.1 Data Mining
  - 2.4.2 Data Analysis
  - 2.4.3 Data Validation
  - 2.4.4 Research Approach
- 2.5 Research Sources
  - 2.5.1 Primary Research Sources
  - 2.5.2 Secondary Research Sources
  - 2.5.3 Assumptions

### **3 MARKET TREND ANALYSIS**

- 3.1 Introduction
- 3.2 Drivers
- 3.3 Restraints
- 3.4 Opportunities
- 3.5 Threats
- 3.6 Application Analysis
- 3.7 End User Analysis
- 3.8 Emerging Markets
- 3.9 Impact of Covid-19

### **4 PORTERS FIVE FORCE ANALYSIS**

- 4.1 Bargaining power of suppliers
- 4.2 Bargaining power of buyers
- 4.3 Threat of substitutes
- 4.4 Threat of new entrants
- 4.5 Competitive rivalry

## **5 GLOBAL MIST ELIMINATOR MARKET, BY TYPE**

- 5.1 Introduction
- 5.2 Vane
- 5.3 Mesh
- 5.4 Fiber Bed
- 5.5 Cyclonic
- 5.6 Other Types

## **6 GLOBAL MIST ELIMINATOR MARKET, BY MATERIAL**

- 6.1 Introduction
- 6.2 Metal
- 6.3 Plastic
  - 6.3.1 Polypropylene (PP)
  - 6.3.2 Polyvinyl Chloride (PVC)
- 6.4 Fiberglass Reinforced Plastic (FRP)
- 6.5 Other Materials

## **7 GLOBAL MIST ELIMINATOR MARKET, BY FLOW DIRECTION**

- 7.1 Introduction
- 7.2 Vertical Flow
- 7.3 Horizontal Flow

## **8 GLOBAL MIST ELIMINATOR MARKET, BY APPLICATION**

- 8.1 Introduction
- 8.2 Distillation Tower
- 8.3 Evaporator
- 8.4 Knockout Drum
- 8.5 Scrubber
- 8.6 Other Applications

## **9 GLOBAL MIST ELIMINATOR MARKET, BY END USER**

- 9.1 Introduction
- 9.2 Industrial Manufacturing
- 9.3 Chemicals & Petrochemical

9.4 Wastewater Treatment

9.5 Oil & Gas

9.6 Power Generation

9.7 Pharmaceutical

9.8 Other End Users

## **10 GLOBAL MIST ELIMINATOR MARKET, BY GEOGRAPHY**

10.1 Introduction

10.2 North America

10.2.1 US

10.2.2 Canada

10.2.3 Mexico

10.3 Europe

10.3.1 Germany

10.3.2 UK

10.3.3 Italy

10.3.4 France

10.3.5 Spain

10.3.6 Rest of Europe

10.4 Asia Pacific

10.4.1 Japan

10.4.2 China

10.4.3 India

10.4.4 Australia

10.4.5 New Zealand

10.4.6 South Korea

10.4.7 Rest of Asia Pacific

10.5 South America

10.5.1 Argentina

10.5.2 Brazil

10.5.3 Chile

10.5.4 Rest of South America

10.6 Middle East & Africa

10.6.1 Saudi Arabia

10.6.2 UAE

10.6.3 Qatar

10.6.4 South Africa

10.6.5 Rest of Middle East & Africa

## **11 KEY DEVELOPMENTS**

- 11.1 Agreements, Partnerships, Collaborations and Joint Ventures
- 11.2 Acquisitions & Mergers
- 11.3 New Product Launch
- 11.4 Expansions
- 11.5 Other Key Strategies

## **12 COMPANY PROFILING**

- 12.1 Pall Corporation
- 12.2 FLSmidth
- 12.3 Eaton Corporation
- 12.4 Mott Corporation
- 12.5 Schneider Electric
- 12.6 Parker Hannifin Corporation
- 12.7 Filtermist International Ltd.
- 12.8 Clarcor Industrial Air
- 12.9 Gulf Coast Environmental Systems
- 12.10 Aero Mist
- 12.11 Cecilware Corporation
- 12.12 SEFAR AG
- 12.13 Cameron
- 12.14 John Crane
- 12.15 Donaldson Company, Inc.

## List Of Tables

### LIST OF TABLES

- Table 1 Global Mist Eliminator Market Outlook, By Region (2022-2030) (\$MN)
- Table 2 Global Mist Eliminator Market Outlook, By Type (2022-2030) (\$MN)
- Table 3 Global Mist Eliminator Market Outlook, By Vane (2022-2030) (\$MN)
- Table 4 Global Mist Eliminator Market Outlook, By Mesh (2022-2030) (\$MN)
- Table 5 Global Mist Eliminator Market Outlook, By Fiber Bed (2022-2030) (\$MN)
- Table 6 Global Mist Eliminator Market Outlook, By Cyclonic (2022-2030) (\$MN)
- Table 7 Global Mist Eliminator Market Outlook, By Other Types (2022-2030) (\$MN)
- Table 8 Global Mist Eliminator Market Outlook, By Material (2022-2030) (\$MN)
- Table 9 Global Mist Eliminator Market Outlook, By Metal (2022-2030) (\$MN)
- Table 10 Global Mist Eliminator Market Outlook, By Plastic (2022-2030) (\$MN)
- Table 11 Global Mist Eliminator Market Outlook, By Polypropylene (PP) (2022-2030) (\$MN)
- Table 12 Global Mist Eliminator Market Outlook, By Polyvinyl Chloride (PVC) (2022-2030) (\$MN)
- Table 13 Global Mist Eliminator Market Outlook, By Fiberglass Reinforced Plastic (FRP) (2022-2030) (\$MN)
- Table 14 Global Mist Eliminator Market Outlook, By Other Materials (2022-2030) (\$MN)
- Table 15 Global Mist Eliminator Market Outlook, By Flow Direction (2022-2030) (\$MN)
- Table 16 Global Mist Eliminator Market Outlook, By Vertical Flow (2022-2030) (\$MN)
- Table 17 Global Mist Eliminator Market Outlook, By Horizontal Flow (2022-2030) (\$MN)
- Table 18 Global Mist Eliminator Market Outlook, By Application (2022-2030) (\$MN)
- Table 19 Global Mist Eliminator Market Outlook, By Distillation Tower (2022-2030) (\$MN)
- Table 20 Global Mist Eliminator Market Outlook, By Evaporator (2022-2030) (\$MN)
- Table 21 Global Mist Eliminator Market Outlook, By Knockout Drum (2022-2030) (\$MN)
- Table 22 Global Mist Eliminator Market Outlook, By Scrubber (2022-2030) (\$MN)
- Table 23 Global Mist Eliminator Market Outlook, By Other Applications (2022-2030) (\$MN)
- Table 24 Global Mist Eliminator Market Outlook, By End User (2022-2030) (\$MN)
- Table 25 Global Mist Eliminator Market Outlook, By Industrial Manufacturing (2022-2030) (\$MN)
- Table 26 Global Mist Eliminator Market Outlook, By Chemicals & Petrochemical (2022-2030) (\$MN)
- Table 27 Global Mist Eliminator Market Outlook, By Wastewater Treatment (2022-2030) (\$MN)

Table 28 Global Mist Eliminator Market Outlook, By Oil & Gas (2022-2030) (\$MN)

Table 29 Global Mist Eliminator Market Outlook, By Power Generation (2022-2030) (\$MN)

Table 30 Global Mist Eliminator Market Outlook, By Pharmaceutical (2022-2030) (\$MN)

Table 31 Global Mist Eliminator Market Outlook, By Other End Users (2022-2030) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Middle East & Africa Regions are also represented in the same manner as above.

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