

# **Air Scrubber Market ? Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Type (Dry v/s Wet), By Filter Type (HEPA Filter, Activated Carbon Filter, Dehumidifier Filter, Others), By Contaminants Removed (Volatile Organic Compounds, Gases, Chemicals, Dust, Others), By Function (Clean Air v/s Clean Surface), By Application (Commercial, Residential, Industrial), By Region & Competition, 2021-2031F**

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## **Abstracts**

The Global Air Scrubber Market is projected to expand from USD 2.74 Billion in 2025 to USD 4.81 Billion by 2031, registering a CAGR of 9.83%. These sophisticated air purification mechanisms are designed to purge particulate matter, chemical fumes, and industrial pollutants from both indoor and exhaust atmospheres. This market growth is chiefly propelled by rigorous environmental legislation mandating reduced emissions and a stronger focus on occupational health standards within manufacturing and commercial industries. Such regulatory environments force businesses to fund compliance measures to safeguard public health. Data from the Association of Air Pollution Control Agencies indicates that in 2025, member agencies enforcing these air quality standards oversaw regions populated by roughly 149.9 million individuals in the United States.

Despite these favorable conditions, the market confronts substantial hurdles due to the heavy capital expenditure needed for successful deployment. The elevated initial costs of industrial-grade systems, coupled with ongoing operational outlays for energy usage and specialized filter changes, establish a notable financial obstacle. This economic

strain frequently discourages adoption among small and medium-sized enterprises operating with restricted facility management funds and hampers swift market expansion in price-sensitive areas.

## **Market Driver**

The enforcement of strict government air quality mandates acts as a major driver for the Global Air Scrubber Market, pushing industries to implement superior filtration solutions. Authorities globally are increasing their scrutiny of industrial emissions, enforcing tough standards that demand the installation of high-efficiency cleaning systems to evade serious financial penalties. This strict compliance landscape ensures that processing and manufacturing sites make the elimination of dangerous pollutants a priority. In December 2024, the Environmental Protection Agency revealed in its 'Fiscal Year 2024 Enforcement and Compliance Annual Results' that it obtained roughly \$1.7 billion in fines, penalties, and restitution from polluters, achieving the highest enforcement total since 2017. Such vigorous federal measures spur substantial capital spending on air scrubbing technologies as firms aim to reduce legal liabilities and adhere to environmental rules.

Concurrently, the rising incidence of airborne respiratory diseases is fueling market demand in both residential and commercial sectors. As air pollution intensifies worldwide, the clear link between compromised air quality and serious health issues has become a pivotal factor for installing purification systems. The Health Effects Institute reported in its 'State of Global Air 2024' (June 2024) that air pollution caused 8.1 million deaths globally in 2021, ranking it as the second highest mortality risk factor. This public health emergency highlights the critical need for proficient indoor air quality control. The magnitude of this issue is further illustrated by the widespread inability to satisfy safety benchmarks; IQAir noted in 2024 that merely seven nations achieved the World Health Organization's annual PM2.5 standard, underscoring the global necessity for potent air scrubbing capacities.

## **Market Challenge**

The significant initial capital outlay and ongoing operational expenses associated with industrial air scrubbers construct a formidable economic obstruction that notably slows market progression. The steep upfront prices for these purification systems frequently discourage small and medium-sized enterprises (SMEs) with limited budgets for facility management from adopting them. Unlike equipment that generates income, air scrubbers are often perceived merely as compliance expenditures, leading companies

to postpone purchases or restrict upgrades to the bare minimum mandated by law. This financial hesitation is more pronounced in cost-conscious areas where the added costs of energy use and filter upkeep significantly impact profit margins.

This economic pressure on industrial sites is supported by recent spending patterns illustrating the increasing cost load on manufacturers. In its December 2024 Supply Chain Planning Forecast, the Institute for Supply Management projected that capital expenditures within the manufacturing sector would rise by 5.2 percent in 2025. This persistent increase in capital spending needs compels manufacturers to direct financial resources exclusively toward critical production capacities, consequently marginalizing investments in supplementary air quality systems and retarding the widespread adoption of scrubbing technologies in the marketplace.

## **Market Trends**

The incorporation of IoT for real-time air quality tracking is transforming the market, with manufacturers emphasizing digital connectivity to boost system efficiency and operational control. Industrial sites are increasingly utilizing smart scrubbing devices fitted with sensors that broadcast live pollutant data, facilitating predictive maintenance and decreasing unexpected shutdowns. This strategic move toward digitalization permits businesses to shift from reactive to proactive management strategies, guaranteeing constant compliance and effectiveness. In February 2025, the Nederman Group stated in its 'Year-end report January - December 2024' that it achieved full-year net sales of SEK 5,900 million, specifically identifying digitalization and servicification as primary factors behind its sustained market growth and value generation.

Simultaneously, the emphasis on energy-efficient and sustainable operating modes has emerged as a vital purchasing requirement, spurred by corporate decarbonization targets and escalating energy prices. Market innovators are designing air scrubbers with enhanced airflow mechanics and low-resistance filtration materials to reduce electricity usage without sacrificing containment capture efficiency. This movement is further demonstrated by the swift adoption of high-performance, energy-rated parts that comply with rigorous environmental reporting norms. As noted by Camfil in its 'Sustainability Report 2024' from April 2025, more than 55 percent of the company's Eurovent-rated comfort filters supplied during the year were categorized as A or A+, highlighting the robust industrial appetite for products that actively enhance energy performance.

## **Key Market Players**

Honeywell International Inc.

Camfil AB

Daikin Industries Ltd.

Parker Hannifin Corporation

SPX Corporation

Advanced Air Technologies Inc.

Amaircare Corporation

Novatek Corporation

Croll Reynolds Inc.

Waves Aircon Pvt. Ltd.

## Report Scope

In this report, the Global Air Scrubber Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Air Scrubber Market, By Type

Dry v/s Wet

Air Scrubber Market, By Filter Type

HEPA Filter

Activated Carbon Filter

Dehumidifier Filter

Others

## Air Scrubber Market, By Contaminants Removed

Volatile Organic Compounds

Gases

Chemicals

Dust

Others

## Air Scrubber Market, By Function

Clean Air v/s Clean Surface

## Air Scrubber Market, By Application

Commercial

Residential

Industrial

## Air Scrubber Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

## **Competitive Landscape**

Company Profiles: Detailed analysis of the major companies present in the Global Air Scrubber Market.

**Available Customizations:**

Global Air Scrubber Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

**Company Information**

Detailed analysis and profiling of additional market players (up to five).

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