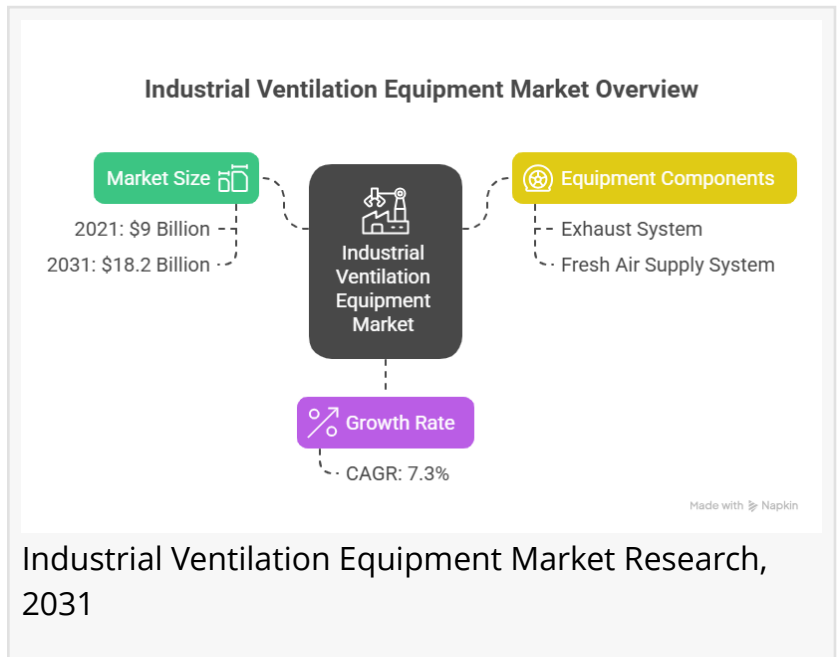


Industrial Ventilation Equipment Market to Grow from \$9 Billion in 2021 to \$18.2 Billion by 2031, with a CAGR of 7.3%

Industrial Ventilation Equipment Market Size, Share, Competitive Landscape and Trend Analysis Report

WILMINGTON, DE, UNITED STATES, July 10, 2025 /EINPresswire.com/ -- The global [industrial ventilation equipment market](#) was valued at \$9 billion in 2021 and is expected to grow to \$18.2 billion by 2031, achieving a compound annual growth rate (CAGR) of 7.3% from 2022 to 2031. This growth is driven by rising industrial activities, increasing concerns about indoor air quality, and stringent regulations aimed at reducing environmental impact. Industrial ventilation systems play a critical role in maintaining safe and healthy working environments by controlling air quality, diluting pollutants, and ensuring adequate fresh air supply.



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Overview of Industrial Ventilation Equipment

Industrial ventilation equipment is designed to regulate indoor air quality by removing contaminants such as dust, fumes, and vapors while introducing clean air. These systems are essential in industries where hazardous substances are generated during production processes. Industrial ventilation systems consist of two primary components: the exhaust system, which removes polluted air, and the air supply system, which introduces filtered, fresh air. The air supply system typically includes air filtration units, air inlets, and cooling or heating equipment to maintain optimal conditions. By mixing contaminated air with clean air, these systems reduce the concentration of harmful substances, ensuring worker safety and compliance with environmental standards.

Market Dynamics

The industrial ventilation equipment market is propelled by several key factors. Rapid industrialization, particularly in developing economies such as China, India, and the United States, has led to increased demand for ventilation systems across industries like oil and gas, chemicals, and manufacturing. The growth of industrial construction projects further amplifies this demand, as new facilities require advanced ventilation solutions to meet regulatory and safety standards.

Rising concerns about indoor air quality and its impact on worker health are significant drivers. Poor air quality can lead to respiratory issues, reduced productivity, and long-term health risks for employees. As a result, industries are increasingly investing in ventilation systems to mitigate these risks. Additionally, advancements in ventilation technology, such as energy-efficient systems and smart controls, are creating lucrative growth opportunities by improving air quality while reducing operational costs.

Government regulations aimed at curbing carbon emissions and promoting sustainable practices are also boosting market growth. The construction of green buildings, which prioritize energy efficiency and environmental sustainability, has increased the adoption of advanced ventilation systems. These systems help reduce energy consumption and ensure compliance with stringent environmental standards.

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Market Segmentation

The industrial ventilation equipment market is segmented by ventilation type, system type, end-user industry, and region.

By Ventilation Type

In 2021, the dilution ventilation segment accounted for the highest revenue share. Dilution ventilation systems reduce the concentration of toxic and flammable substances, such as fumes, particulates, and vapors, by mixing contaminated air with fresh air. These systems are widely used in industries like oil and gas, manufacturing, and chemicals, where maintaining adequate oxygen levels and controlling airborne hazards are critical.

Local exhaust ventilation, another key segment, captures contaminants at their source, preventing them from spreading into the workspace. This type is particularly effective in environments with high concentrations of hazardous substances.

By System Type

The market is divided into air supply systems and exhaust systems. Air supply systems include axial fans, centrifugal fans, and other components that deliver filtered air to industrial facilities. Exhaust systems, on the other hand, focus on removing contaminated air to maintain a safe working environment. Both systems are integral to ensuring proper ventilation and air quality.

By End-User Industry

The building products industry held the largest market share in 2021. The production of materials such as bricks, cement, and sand involves processes that generate dust and chemical fumes, which can degrade indoor air quality. Industrial ventilation systems are essential in these settings to remove pollutants and maintain a healthy work environment. Other key industries driving demand include chemicals, manufacturing, oil and gas, and various others, all of which rely on ventilation systems to comply with safety and environmental regulations.

By Region

Asia-Pacific dominated the market in 2021 and is expected to maintain its lead through 2031. This is driven by rapid population growth, urbanization, and industrial expansion in countries like China, India, and Japan. North America and Europe also represent significant markets, fueled by advanced manufacturing sectors and strict regulatory frameworks. The LAMEA (Latin America, Middle East, and Africa) region is expected to see steady growth, particularly in countries like Brazil, Saudi Arabia, and the UAE, where industrial activities are on the rise.

Impact of COVID-19

The COVID-19 pandemic significantly disrupted the industrial ventilation equipment market. Lockdowns and restrictions halted production in many industries, leading to a temporary decline in demand for ventilation equipment. Supply chain disruptions further compounded these challenges. However, as vaccination efforts progressed and restrictions eased, the market began to recover. By the end of 2022, industrial ventilation equipment manufacturers resumed full-scale operations, focusing on protecting their workforce, optimizing supply chains, and adopting new operational strategies to address future challenges. The pandemic underscored the importance of clean air in workplaces, further driving demand for advanced ventilation solutions.

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Competitive Landscape

The industrial ventilation equipment market is highly competitive, with key players including Air System Components, Inc., Cincinnati Fan, EBM-PAPST, Fläkt Group, Greenheck Fan Corporation, Hitachi, Ltd., Howden Group, Johnson Controls International Plc, Loren Cook Company, Munters, Nanfang Ventilator Co., Ltd., Nortek Air Solutions, Polypipe, S&P USA Ventilation Systems, LLC, Systemair AB, Twin City Fan Companies, Ltd., and Yilida Group. These companies are focusing on innovation, product development, and strategic partnerships to strengthen their market positions.

Key Benefits for Stakeholders

Quantitative Analysis: The report provides detailed insights into market segments, trends, and

growth projections from 2021 to 2031, enabling stakeholders to identify high-potential opportunities.

Market Drivers and Opportunities: Analysis of key drivers, such as industrialization and air quality concerns, alongside opportunities like advanced ventilation technologies, supports strategic decision-making.

Porter's Five Forces Analysis: This framework evaluates buyer and supplier dynamics, helping stakeholders make informed, profit-oriented decisions.

Regional Insights: Mapping of major countries by revenue contribution highlights regional growth trends and market potential.

Competitive Positioning: The report offers benchmarking and insights into the market positioning of key players, aiding in strategic planning.

Market Trends and Strategies

The industrial ventilation equipment market is evolving with a focus on energy efficiency, smart technology integration, and sustainability. Manufacturers are developing systems with advanced filtration and real-time monitoring capabilities to meet modern industrial needs. Additionally, the emphasis on green building standards and carbon emission reduction is driving innovation in eco-friendly ventilation solutions.

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