

India Ventilation System Market By Type (Exhaust Ventilation System, Supply Ventilation System, Balanced Ventilation System, Energy Recovery Ventilation System), By End User (Residential, Commercial and Industrial), By Distribution Channel (Direct, Indirect), By Region, Competition Forecast & Opportunities, 2018-2031F

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Abstracts

The India ventilation system market was valued at USD565.60 million in 2022 and is projected to grow at a CAGR of 8.59% through 2031 and is anticipated to project robust growth in the forecast period. The market for ventilation systems in India is witnessing high demand owing to various factors such as high demand from commercial places for effective ventilation in the building, increasing awareness among consumers, and specific guidelines provided by the government for ventilation systems in a building.

India Ventilation System Market Scope

The mechanical system in a structure that introduces 'fresh' outdoor air and exhausts 'contaminated' internal air is termed a ventilation system. The ventilation system is utilized in the workplace to limit exposure to airborne contaminants. It is frequently used to eliminate impurities from the air, including fumes, dust, and vapors, to create a safe and healthy working environment. Unwanted pollutants are eliminated by industrial systems since they're built to move out and draw in a specified amount of air at a specific speed. Although all ventilation systems operate according to the same fundamental principles, each system is uniquely customized for the specific workplace's type of work and rate of pollutant release.

India Ventilation System Market Overview

The India ventilation system market is experiencing high demand owing to the increasing government initiatives for different businesses such as government initiatives aimed at supporting small and medium-sized businesses, such as the Emergency Credit Line Guarantee Scheme (ECLGS), which was extended through March 2023. These initiatives are driving up demand for ventilation systems in the industrial sector in India. It has increased the guarantee cover by USD6080 million, bringing it to a total of USD67.11 billion, which is spurring an increase in industrial, manufacturing, and other types of building construction where ventilation systems are frequently employed for internal ventilation. Additionally, the Credit Guarantee Trust for Micro and Small Companies will make the additional credit line worth USD26.84 billion available to micro and small firms (CGTMSE). Hence, there is a rise in ventilation systems demand in India.

India Ventilation System Market Drivers

Since that ventilation systems can consume a large amount of energy in buildings, energy efficiency is a key factor in India's increasing demand for ventilation systems. The market is expanding as people become more aware of high-efficiency filters that collect more particles while preserving optimum airflow. Also, these ventilation systems are more efficient at lowering energy use and enhancing indoor air quality. System design, equipment selection, and methods for operation and maintenance must all be carefully considered when using these ventilation systems. Hence, India is predicted to have a large increase in the market for energy-efficient ventilation systems.

Furthermore, people are becoming more aware of the quality of their indoor air as a result of the rising concerns regarding air pollution. A building's type and intended usage might have an impact on the need for ventilation systems. For instance, ventilation systems are essential in hospitals and other healthcare institutions to stop the spread of airborne illnesses and maintain a healthy interior environment. Overall, as people become more aware of the health hazards linked to air pollution, there will certainly be a greater need for efficient indoor air quality solutions. The need for ventilation systems that can enhance air circulation and filter out pollutants has increased as a result of this.

India Ventilation System Market Trends

Several firms are releasing ventilation systems that can be connected to air conditioners

and individually regulated via remote control as a result of the rising demand for ventilation systems in India. For instance, LG introduced unique ventilation systems that may integrate with air conditioner ducts to effectively ventilate a specific building. The exhaust device additionally effectively filters interior air contaminants using a sirocco fan and high static pressure. Since the entire heat exchanger completely separates the supply and exhaust air flows, the LG energy recovery ventilation system can filter out contaminants before delivering outdoor air and provide fresh, hygienic interior air. It also has technology that allows it to automatically adjust its operation based on the weather by sensing the outside temperature.

Moreover, ventilation system market players employ a range of strategies to please their current clients and attract potential new ones. Due to the increasing concerns about marketing techniques, businesses are willing to devote a certain amount of their revenue. As an illustration, Carrier created the commercial Aero 39M air-handling unit, which features energy recovery ventilators (ERVs) and can manage airflows of up to 31,000 cfm. In a small, straightforward-to-install container, the Aero 39M air handlers provide cutting-edge technology and distinctive features. The indoor and outdoor units, which can be stacked or installed side by side, can handle a wide variety of applications. Other choices for units include HEPA filters, ECM direct drive fans, and Agion antimicrobial coating.

India Ventilation System Market Challenges

The ventilation systems market in India may experience certain market constraints, such as ventilation systems frequently causing noise pollution, especially in residential and commercial buildings where people need quiet and calm surroundings. Several elements, including the size and speed of the fans, the layout of the ductwork, and the location of the system, can contribute to the noise that ventilation systems produce. The manufacturing company must take different steps to address noise pollution, including sound insulation, vibration isolation, modified duct design that minimizes bends and curves in the ductwork, and the use of centrifugal fans, which can help to reduce the noise produced by the ventilation system.

Moreover, particularly in big commercial or industrial buildings, ventilation systems can be expensive to install and operate. The size of the building, the kind of system needed, and the difficulty of the installation are some of the variables that might affect the price of a ventilation system. Also, as Indians are price-conscious and prefer investing in other parts of home upgrading, such as installing induction-based appliances and chimneys, ventilation systems may experience lower demand in India. In order for

ventilation systems to continue to operate effectively and efficiently, maintenance is also crucial. However, maintenance can also be costly, particularly if professional personnel are needed to repair the system.

Market Opportunities

In India's ventilation system market, the direct sales distribution channel is expanding as a result of the various supplementary services offered by multiple brands. For instance, Systemair, a business that deals in ventilation systems and offers services for various locations like parking garages, tunnels, pharmaceutical industries, etc., offers tailored services to its clients, such as ventilation systems that can be connected through air conditioning ducts and tailored to the client's requirements.

The increased integration of air conditioning equipment in smart homes is a result of the rising popularity of smart homes in India, which also includes the expanding use of the Internet of Things (IoT) among residential and commercial consumers, the growth of machine-to-machine communication (M2M), the desire for smart cities, and the expansion of data analytics. As a result, manufacturers in the Indian market for ventilation systems can partner with smart home appliance dealers to provide consumers with a complete collection of smartphone appliances, including air conditioners, ventilation systems, and other appliances that can cooperate with one another.

Market Segmentation

The India Ventilation System Market is segmented on the basis of type, end-user, distribution channel, region, and competitive landscape. On the basis of type, the market is fragmented into exhaust ventilation systems, supply ventilation systems, balanced ventilation systems, and energy recovery ventilation systems. Based on end users, the market is divided into residential, commercial, and industrial. Based on the distribution channel, the market is segmented into direct and indirect. On the basis of region, the market is divided into North, South, East, and West.

Company Profiles

Blue Star Limited, Systemair India Pvt. Ltd., Carrier Airconditioning & Refrigeration Limited, Johnson Controls-Hitachi Air Conditioning India Limited, Mitsubishi Electric

India Pvt. Ltd., Daikin Airconditioning India Private Limited, Zeco Aircon Ltd., LG Electronics India Pvt. Ltd., Samsung India Electronics Private Limited, Haier Appliances (India) Private Limited are some of the major players in the India ventilation system market.

Report Scope:

In this report, India ventilation system market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

India Ventilation System Market, By Type:

Exhaust Ventilation System

Energy Recovery Ventilation System

Balanced Ventilation System

Supply Ventilation System

India Ventilation System Market, By End User:

Residential

Commercial

Industrial

India Ventilation System Market, By Distribution Channel:

Direct

Indirect

India Ventilation System Market, By Region:

North

West

South

West

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in India Ventilation System market.

Available Customizations:

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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