

# **Global Wet Scrubber Market Size Study, by Product (Packed Bed Scrubber, Venturi Scrubber, Spray Scrubber, Others), by End Use (Power Generation, Chemical, Cement, Refinery and Petrochemicals, Others), and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Wet Scrubber Market is valued at USD 1.08 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.5% over the forecast period 2024-2032. Wet scrubbers are essential air pollution control devices designed to remove gases, particulates, and volatile organic compounds from industrial exhaust streams. They are increasingly adopted in industries such as power generation, chemicals, cement, and refining due to their efficiency in meeting stringent environmental regulations and improving air quality.

The growing need for compliance with environmental standards, such as the Clean Air Act and MARPOL Annex VI, is driving the demand for wet scrubbers across industries. Packed bed scrubbers dominate the market owing to their superior performance in removing acidic gases and volatile organic compounds (VOCs). On the other hand, venturi scrubbers are expected to witness significant growth due to their capability to handle high particulate loads, making them ideal for power generation and mining applications.

Technological advancements, such as the integration of IoT for real-time monitoring and hybrid scrubber systems, are further boosting the efficiency and cost-effectiveness of these solutions. The rising focus on sustainability and cleaner industrial processes is promoting the adoption of eco-friendly scrubber systems, thus fueling market growth.

Asia Pacific is the largest regional market for wet scrubbers, accounting for the highest

revenue share in 2024. The rapid pace of industrialization and urbanization in countries like China and India, coupled with stringent regulations aimed at reducing sulfur dioxide and nitrogen oxide emissions, drives market growth in the region. North America and Europe follow closely, with strong regulatory frameworks encouraging the adoption of advanced air pollution control technologies.

North America, particularly the U.S., is witnessing technological advancements, including the integration of automation and predictive maintenance features, which enhance operational efficiency. Meanwhile, Europe is focusing on sustainable industrial practices, further driving demand for wet scrubbers in various end-use industries.

The wet scrubber market is competitive, with key players investing in research and development to enhance their product offerings. Companies like Babcock & Wilcox Enterprises, Alfa Laval, and CECO Environmental are leaders in this domain. These firms are focusing on introducing innovative solutions, such as multi-pollutant control devices and advanced scrubbing liquids, to cater to the growing demand for efficient and sustainable air pollution control systems.

Major market players included in this report are:

Babcock & Wilcox Enterprises, Inc.

ALFA LAVAL

CECO ENVIRONMENTAL

DuPont

Evoqua Water Technologies LLC

Fuji Electric Co., Ltd.

GEA Group Aktiengesellschaft

W?rtsil?

KCH Engineered Systems

Nederman Holding AB

Tri-Mer Corporation

Verantis Environmental Solutions Group

Manta Marine Technologies (Yara)

The detailed segments and sub-segment of the market are explained below:

#### By Product

Packed Bed Scrubber

Venturi Scrubber

Spray Scrubber

Others

#### By End Use

Power Generation

Chemical

Cement

Refinery and Petrochemicals

Pulp and Paper

Others

#### By Region

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

Latin America

Brazil

Argentina

Middle East and Africa

Saudi Arabia

UAE

South Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand-side and supply-side analysis of the market.

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