

Global De-SOx Scrubbers Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global De-SOx Scrubbers market size was valued at US\$ 2337 million in 2024 and is forecast to a readjusted size of USD 3396 million by 2031 with a CAGR of 5.5% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

De-SOx scrubbers are pollution control devices designed to remove sulfur dioxide (SO₂) from flue gases resulting from the combustion of fossil fuels such as coal and oil. They typically achieve this by spraying an alkaline slurry (such as limestone or lime slurry) to react with the SO₂ in the flue gas, producing byproducts like calcium sulfate (gypsum) or calcium sulfite. The significance of De-SOx scrubbers lies in their ability to substantially reduce SO₂ emissions, mitigate acid rain formation, protect the ecological environment and human health, and assist industrial facilities in complying with stringent environmental regulations (such as the U.S. EPA emission limits or China's ultra-low emission standards). Their primary benefits include high-efficiency SO₂ removal (wet scrubbers can achieve removal rates of 90%-99%), the utilization of byproduct gypsum in the construction industry, which promotes a circular economy; the capability for synergistic control of multiple pollutants, simultaneously reducing the emissions of particulates, mercury, and acidic gases; and enhancing the operational compliance and social responsibility image of power plants. Functionally, scrubber systems (such as spray towers, packed towers, or Venturi scrubbers) optimize the design of gas-liquid contact to ensure efficient mass transfer and reaction, making them suitable for coal-fired power plants, refineries, and industrial kilns of various sizes. In terms of future

trends, as the global push for carbon neutrality advances, De-SOx scrubbers are expected to integrate more efficient dry or semi-dry technologies, employ new absorbents (such as sodium-based or amino absorbents) to reduce water and energy consumption, and further enhance operational efficiency and economy through intelligent monitoring and optimized design, in response to increasingly stringent emission standards and resource constraints.

This report is a detailed and comprehensive analysis for global De-SOx Scrubbers market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global De-SOx Scrubbers market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global De-SOx Scrubbers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global De-SOx Scrubbers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2020-2031

Global De-SOx Scrubbers market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for De-SOx Scrubbers

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global De-SO_x Scrubbers market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Alfa Laval, Yara Marine, Andritz, Ecospray, Panasia, W?rtsil?, Fuji Electric, Valmet, LAB, GEA Group, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

De-SO_x Scrubbers market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

U-Type(Bypass)

I-type(Inline)

Market segment by Application

Power Plant

Vessel Exhaust Gases Cleaning

Marine Industry

Others

Major players covered

Alfa Laval

Yara Marine

Andritz

Ecospray

Panasia

Wartsila

Fuji Electric

Valmet

LAB

GEA Group

CROcean Engineering

Hyundai Materials

Clean Marine

ME Production

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe De-SOx Scrubbers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of De-SOx Scrubbers, with price, sales quantity, revenue, and global market share of De-SOx Scrubbers from 2020 to 2025.

Chapter 3, the De-SOx Scrubbers competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the De-SOx Scrubbers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and De-SOx Scrubbers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of De-SOx Scrubbers.

Chapter 14 and 15, to describe De-SOx Scrubbers sales channel, distributors, customers, research findings and conclusion.

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