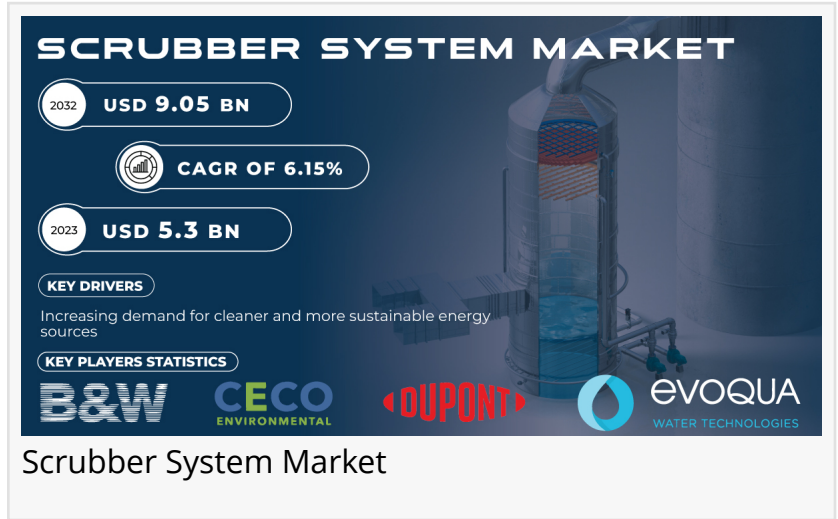


Scrubber System Market Growth Driven by Emission Control, LNG Demand and Sustainable Energy Trends

The scrubber system market is growing due to stricter emissions regulations in industries like shipping, LNG, and power generation

AUSTIN, TX, UNITED STATES, November 18, 2024 /EINPresswire.com/ -- The [Scrubber System Market](#) was valued at USD 5.3 Billion in 2023 and is projected to reach USD 9.05 Billion by 2032, growing at a compound annual growth rate (CAGR) of 6.15% from 2024 to 2032.



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The global scrubber system market is going to witness immense growth because of increasing environmental pressure from regulatory policies on industrial emissions and pollutants in the environment. Due to strict norms in places like power generation, shipping, and manufacturing, there are increased demands for controlling sulfur dioxide (SO₂), NO_x, and particulate emissions using scrubbers. Technologies developed nowadays such as hybrid and electrostatic scrubber systems are further increasing the applications in multiple facets, which is further helping the market prospects grow.

Growth in renewable energy projects and the trend towards cleaner operations of the shipping sector in the next few years are also likely to benefit the market. Sustainable solutions are being pursued by governments around the world; thus, opening up the market for innovation. As businesses increase their adoption of greener practices, scrubber systems will be used to maintain air quality standards. This will position the market for sustained growth.

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Wet scrubber systems captured the largest share of the scrubber market during 2023, contributing to a total revenue generation of around 59% due to the predominant role they play in removing sulfur dioxide, particulate matter, and other noxious gases. A wide application scope for wet scrubber systems in power generation, oil refining, and maritime activities has helped them gain considerable market status.

The surging demand for LNG is significantly pushing the market of scrubber systems. Increased LNG use in maritime and industrial industries stimulates the demand for effective emission control systems. Although LNG burns cleaner than other fuels, a large amount of sulfur and other pollutants has to be dealt with, so it requires the use of a scrubber. Hence, this trend of LNG-based sources of energy provides fantastic scope for innovations in scrubber systems and for the market.

Dry scrubber systems are likely to grow at the highest CAGR of 7.21% during the period 2024-2032 primarily due to the potential to work in water-scarce areas and increased adoption in those sectors seeking to implement lower-cost and more environmentally friendly operations. The emphasis on reducing operational costs and moving in a sustainable direction further drives the growth of dry scrubber systems at a rapid pace

The rising demand in the global market for energy in a cleaner and more environmentally friendly way is also prompting the demand for scrubber systems. Furthermore, environmental impact on industries and governments has significantly driven them toward embracing technologies that reduce harmful substance emissions; hence, the scrubber. Scrubbers play a crucial role in generating energy from fossil fuels to prevent the breaching of environmental rules. With this demand for greener sources of energy, a high growth opportunity exists in scrubber systems for both the power generation and shipping sectors.

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dominating the global share with 37%. This would be due to a huge drive in industrialization and the imposition of strict environmental regulations in this region. Major economies in the region, China and India, have been stressing controlling emissions to minimize pollution, an opportunity for scrubbers to grow. Other sectors where growth is more visible include the maritime and manufacturing industries, causing the scrubber system market to surge even further. Asia Pacific is slated to grow at the highest CAGR of 7.03% from 2024 to 2032, resulting from continued industrial development and stricter environmental laws. Government initiatives regarding sustainability and cleaner technologies will further boost market expansion.

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□ In 2024, Alfa Laval introduced PureSOx connectivity, a system for real-time oversight of SOx scrubber units, assisting vessels in complying with emissions standards more effortlessly.
□ BW LPG's purchase of dual-fuel and scrubber-equipped VLGCs from Avance Gas, valued at more than USD 1 billion, emphasizes the shipping sector's emphasis on sustainability and emission reduction, with the transaction set to finalize by December 2024.

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- Wet Scrubber System
- Dry Scrubber System

By Orientation

- Vertical
- Horizontal

By Application

- Gaseous/Chemical Cleaning
- Particulate Cleaning

By End-use Industry

- Oil & Gas
- Marine
- Chemical & Petrochemical
- Glass
- Pharmaceutical
- Metal & Mining
- Power Generation

☐Water & Wastewater Treatment

☐Others

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Akash Anand

SNS Insider | Strategy and Stats

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