

## **Gas Treatment Market Report and Forecast 2025-2034**

Market Report | 2025-07-28 | 154 pages | EMR Inc.

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### **Report description:**

The global gas treatment market stood at a value of around USD 4.93 Billion in 2024 . The market is further expected to grow in the forecast period of 2025-2034 at a CAGR of 5.90% to reach USD 8.75 Billion by 2034 .

Amines Segment Expected to Dominate the Market over the Forecast Period

On the basis of type, the amine segment is anticipated to dominate the gas treatment industry during the forecast period due to the rise in the demand for acid gas treatment in major end use industries. The treatment helps remove carbon dioxide and hydrogen sulphide from the gas (often natural gas) to enhance its quality and make it clean and suitable for transportation and use. Moreover, amines are comparatively cost effective than other gas treatments and amine systems can be easily combined with different technologies into hybrid systems for various projects. These factors are anticipated to contribute to the market growth in the forecast period.

The Asia Pacific Region to Account for a Significant Share of the Gas Treatment Industry over the Forecast Period

Geographically, the Asia Pacific gas treatment industry is expected to hold a significant market share during the forecast period, owing to the presence of a large industrial base in the region, along with the growing demand from the oil and gas sector. Moreover, the rapid industrialisation and urbanisation, increase in population, and availability of affordable raw material and low-cost labour in the region are the key factors anticipated to propel the growth of the gas treatment industry in the forecast period.

Market Segmentation

The gas treatment process is used to enhance the quality of gases with the removal of unwanted elements such as carbon dioxide and hydrogen sulphide gases during the refining stage. In the process, several types of gases like natural gas, ethylene, and biogas are desulphurised. Further, activated carbon pellets are used for the elimination of hydrogen sulphide in biogas streams,

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anaerobic (AD) digesters, from landfills, and municipal wastewater treatment plants, among others.

#### Market Breakup by Type

- Amines
  - ??- Primary Amines
  - ??- Secondary Amines
  - ??- Tertiary Amines
- Non-Amines
  - ??- Triazine
  - ??- Glycols
  - ??- Others

#### Market Breakup by Application

- Acid Gas Removal
- Dehydration

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Rapidly Growing Demand for Natural Gas to Bolster the Growth of the Global Gas Treatment Industry

The heightened demand for natural gas as a sustainable energy source across industry verticals is expected to support the growth of the market in the forecast period. Further, the growing demand for electrostatic precipitators and industrial filters in many sectors is anticipated to propel the expansion of the gas treatment industry. This can be attributed to the imposition of stringent environmental safety regulations by the government to reduce the issues of environmental degradation and pollution caused by industrial waste discharge from various industries such as refineries, cement industry, and thermal power plants. Additionally, the surging electricity demands owing to the improving economy and increasing urbanisation are projected to further augment the demand for natural gas. This can be associated with its minimal environmental footprint and easy availability.

#### Key Players in the Global Gas Treatment Market

The report gives a detailed analysis of the following key players in the global gas treatment market, covering their competitive landscape, capacity, and latest developments like mergers, acquisitions, and investments, expansions of capacity, and plant turnarounds:

- BASF SE
- Huntsman International LLC
- Ecolab Inc.

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- Berryman Chemical Inc.
- Clariant International Ltd.
- Others

The comprehensive EMR report provides an in-depth assessment of the market based on the Porter's five forces model along with giving a SWOT analysis.

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