

**Chlorine Compressors Market Report by Product (Liquid Ring Compressors, Centrifugal Compressors), Application (Chemical and Petrochemical Industries, Pharmaceutical, and Others), and Region 2025-2033**

Market Report | 2025-09-01 | 150 pages | IMARC Group

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**Report description:**

The global chlorine compressors market size reached USD 72.8 Million in 2024. Looking forward, IMARC Group expects the market to reach USD 92.6 Million by 2033, exhibiting a growth rate (CAGR) of 2.57% during 2025-2033.

Chlorine compressors are mechanical equipment used for compressing chlorine in solid or liquid forms. Some of the commonly used variants include centrifugal, reciprocating and liquid ring chlorine compressors. The compressor units are arranged parallelly and have a separate start-up by-pass line for gas circulation between suction and discharge points. The chlorine gas is produced by the process of electrolysis, the gas enters the compressor to initiate the compression and liquefaction process. Once compressed, the gas is then liquefied through cooling. The obtained chlorine is further used as a bleach in the manufacturing of cloths, papers, solvents, pesticides, synthetic rubbers and refrigerants. As a result, chlorine compressors find extensive applications in oil refineries, chemical manufacturing units and petroleum plants.

**Chlorine Compressors Market Trends:**

Significant growth in the chemical industry across the globe is one of the key factors creating a positive outlook for the market. Chlorine compressors are extensively used in manufacturing plants to regulate the pressure and ensure controlled flow of chlorine. Moreover, the widespread adoption of chlorine as an essential ingredient to produce organic and inorganic chemicals used in paper and pulp production, is providing a thrust to the market growth. The compressors are also used for the manufacturing of caustic soda and other chlorine and sodium-based derivatives, such as sodium hypochlorite, poly aluminum chloride, bleaching powder and chlorinated paraffin. In line with this, the launch of novel compressor variants that are integrated with additional filtration units is also contributing to the growth of the market. Other factors, including rising expenditure capacities of the consumers, along with the implementation of favorable government policies, are anticipated to drive the market

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toward growth.

**Key Market Segmentation:**

IMARC Group provides an analysis of the key trends in each sub-segment of the global chlorine compressors market report, along with forecasts at the global, regional and country levels from 2025-2033. Our report has categorized the market based on product and application.

**Breakup by Product:**

- Liquid Ring Compressors
- Centrifugal Compressors

**Breakup by Application:**

- Chemical and Petrochemical Industries
- Pharmaceutical
- Others

**Breakup by Region:**

- North America
  - o□ United States
  - o□ Canada
- Asia-Pacific
  - o□ China
  - o□ Japan
  - o□ India
  - o□ South Korea
  - o□ Australia
  - o□ Indonesia
  - o□ Others
- Europe
  - o□ Germany
  - o□ France
  - o□ United Kingdom
  - o□ Italy
  - o□ Spain
  - o□ Russia
  - o□ Others
- Latin America
  - o□ Brazil
  - o□ Mexico
  - o□ Others
- Middle East and Africa

**Competitive Landscape:**

The competitive landscape of the industry has also been examined along with the profiles of the key players being Charam Techno Chemical & Equipment Ltd., Devi Hitech Engineers Pvt. Ltd., Elliott Group (Ebara Corporation), Gardner Denver Nash LLC (Ingersoll Rand), M. H. Industries, Mayekawa Mfg. Co. Ltd., Mikuni Kikai Kogyo Co. Ltd., RefTec International Systems LLC and Sundyne.

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## Key Questions Answered in This Report:

- How has the global chlorine compressors market performed so far and how will it perform in the coming years?
- What has been the impact of COVID-19 on the global chlorine compressors market?
- What are the key regional markets?
- What is the breakup of the market based on the product?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global chlorine compressors market and who are the key players?
- What is the degree of competition in the industry?

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