

# **Rotary Pump Market Report by Type (Vane, Screw, Lobe, Gear, Progressive Cavity (PC), and Others), Operating Capacity (Small (Upto 500 gpm), Medium (500-1000 gpm), High (More Than 1000 gpm)), Pump Characteristics (Standard Pumps, Engineered Pumps, Special Purpose Pumps), Raw Material (Bronze, Cast Iron, Polycarbonate, Stainless Steel, and Others), End-Use Industry (Oil and Gas, Power Generation, Chemical and Petrochemical, Water and Wastewater, Food and Beverage, and Others), and Region 2024-2032**

<https://marketpublishers.com/r/R450E9E4F084EN.html>

Date: April 2024

Pages: 138

Price: US\$ 3,899.00 (Single User License)

ID: R450E9E4F084EN

## **Abstracts**

The global rotary pump market size reached US\$ 6.9 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 10.4 Billion by 2032, exhibiting a growth rate (CAGR) of 4.4% during 2024-2032.

A rotary pump is used for moving a defined volume of high viscosity liquids such as oils and chemicals. Pumping chamber, casing, endplates, seal chamber, relief valves and rotating assembly are some of the main components of rotary pumps. They are designed with small clearances to minimize leakage from the discharge and operate at a relatively low speed so as to maintain these clearances. They also have a self-priming property that allows pumping liquids and gases without any loss of suction. Nowadays, manufacturers are developing rotary pumps with advanced features that enable the transportation of harmful chemicals without damaging the environment.

Rotary pumps are gaining traction across the globe owing to their ability to handle high differential pressure, high-viscosity performance and compact design. As a result of these characteristics, they find applications in numerous industry verticals ranging from chemical industry to pharmaceutical manufacturing, biotechnology applications, marine industry applications, etc. Besides this, with the increasing penetration of the Internet of Things (IoT), pump manufacturers are introducing highly efficient and cost-effective rotary pumps integrated with next generation connected technologies that can automate various processes. Apart from this, the leading rotary pump companies are focusing on mergers and acquisitions (M&A) to diversify their product portfolio and expand geographic reach by gaining an edge over their competitors. For instance, Dover Corporation has acquired All-Flo, a manufacturer of specialty air-operated double-diaphragm (AODD) pumps, which is now a part of the Pump Solutions Group (PSG) unit within Dover's Fluids segment.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global rotary pump market report, along with forecasts at the global and regional level from 2024-2032. Our report has categorized the market based on type, operating capacity, pump characteristics, raw material, and end-use industry.

#### Breakup by Type:

- Vane
- Screw
- Lobe
- Gear
- Progressive Cavity (PC)
- Others

#### Breakup by Operating Capacity:

- Small (Upto 500 gpm)
- Medium (500-1000 gpm)
- High (More Than 1000 gpm)

#### Breakup by Pump Characteristics:

- Standard Pumps
- Engineered Pumps

## Special Purpose Pumps

### Breakup by Raw Material:

Bronze  
Cast Iron  
Polycarbonate  
Stainless Steel  
Others

### Breakup by End-Use Industry:

Oil and Gas  
Power Generation  
Chemical and Petrochemical  
Water and Wastewater  
Food and Beverage  
Others

### Breakup by Region:

Asia Pacific  
North America  
Europe  
Middle East and Africa  
Latin America

### Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Dover Corporation, SPX Flow, Inc., Xylem Inc., Colfax Corporation, IDEX Corporation, Busch Systems International Inc., Gardner Denver, Inc., Atlas Copco AB, Pfeiffer Vacuum GmbH and ULVAC Technologies, Inc.

### Key Questions Answered in This Report

1. What was the size of the global rotary pump market in 2023?
2. What is the expected growth rate of the global rotary pump market during 2024-2032?
3. What are the key factors driving the global rotary pump market?

4. What has been the impact of COVID-19 on the global rotary pump market?
5. What is the breakup of the global rotary pump market based on the type?
6. What is the breakup of the global rotary pump market based on the operating capacity?
7. What is the breakup of the global rotary pump market based on the pump characteristics?
8. What is the breakup of the global rotary pump market based on the raw material?
9. What is the breakup of the global rotary pump market based on the end-use industry?
10. What are the key regions in the global rotary pump market?
11. Who are the key players/companies in the global rotary pump market?

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