

Diaphragm Pump Market Report by Mechanism (Air Operated, Electrically Operated), Operation (Single Acting Diaphragm Pump, Double Acting Diaphragm Pump), Discharge Pressure (Up to 80 Bar, 80 to 200 Bar, Above 200 Bar), End-Use Industry (Water Treatment, Oil and Gas, Chemical, Pharmaceutical, Food and Beverage, and Others), and Region 2024-2032

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Abstracts

The global diaphragm pump market size reached US\$ 3.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 5.3 Billion by 2032, exhibiting a growth rate (CAGR) of 4.2% during 2024-2032.

A diaphragm pump is a positive displacement device that transfers fluid in and out of the pump chamber. It is primarily used for its suction lift properties. The pump operates using the varying pressure and flow rates, which are determined by the size of the chamber and the diaphragms. When the diaphragm expands, the pressure is lowered, which causes the fluid to rush in. On the other hand, the contraction of the diaphragm increases the pressure, causing the fluid to flow out. These pumps are highly versatile and can aid in transferring concrete, debris waste, food waste, stones, oil sludge, mud, clay and industrial fluids. They are also used for generating pressure for cleaning and spraying applications in aircraft and automobiles, as well as the pharmaceutical industry.

The steadily growing demand for oil and gas from the transportation, residential and industrial sectors represent as the key factor driving the market growth. Furthermore,

the increasing number of onshore and offshore exploration activities conducted to meet the growing fuel demand is also catalyzing the demand for diaphragm pumps. Additionally, significant investments in water treatment plants have enhanced the deployment of these pumps as they aid in removing toxic elements from highly viscous fluids, liquids and solids. They are also used for applications including refining, bulk transfer, waste processing, and wellhead injection. Moreover, various product innovations, such as the introduction of air-operated double diaphragm pumps that can pump liquids containing large solid particles, along with the utilization of digital technology that offer high precision, are also augmenting the growth of the market. Significant investments by the governments for improving the water infrastructure are also creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global diaphragm pump market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on mechanism, operation, discharge pressure and end-use industry

Breakup by Mechanism:

Air Operated

Electrically Operated

Breakup by Operation:

Single Acting Diaphragm Pump

Double Acting Diaphragm Pump

Breakup by Discharge Pressure:

Up to 80 Bar

80 to 200 Bar

Above 200 Bar

Breakup by End-Use Industry:

Water Treatment

Oil and Gas

Chemical

Pharmaceutical
Food and Beverage
Others

Breakup by Region:

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

Competitive Landscape:

The competitive landscape of the industry has also been examined with some of the key players being Dover Corporation, Flowserve Corporation, Graco Inc., Grundfos Holding A/S, IDEX Corporation, Ingersoll-Rand Inc., Leak-Proof Pumps (I) Pvt. Ltd., LEWA GmbH, Seepex GmbH, SPX Flow Inc., Tapflo (Wuxi) Pumps Co., Ltd., Verder International B.V., Xylem Inc., Yamada Corporation, etc.

Key Questions Answered in This Report

1. What was the size of the global diaphragm pump market in 2023?
2. What is the expected growth rate of the global diaphragm pump market during 2024-2032?
3. What are the key factors driving the global diaphragm pump market?
4. What has been the impact of COVID-19 on the global diaphragm pump market?
5. What is the breakup of the global diaphragm pump market based on the mechanism?
6. What is the breakup of the global diaphragm pump market based on the operation?
7. What is the breakup of the global diaphragm pump market based on the discharge pressure?
8. What is the breakup of the global diaphragm pump market based on the end-use industry?
9. What are the key regions in the global diaphragm pump market?
10. Who are the key players/companies in the global diaphragm pump market?

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