

Diaphragm Pump Market Report by Mechanism (Air Operated, Electrically Operated), Operation (Single Acting Diaphragm Pump, Double Acting Diaphragm Pumpe), 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?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL DIAPHRAGM PUMP MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY MECHANISM

- 6.1 Air Operated
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Electrically Operated
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY OPERATION

7.1 Single Acting Diaphragm Pump

7.1.1 Market Trends

7.1.2 Market Forecast

7.2 Double Acting Diaphragm Pump

7.2.1 Market Trends

7.2.2 Market Forecast

8 MARKET BREAKUP BY DISCHARGE PRESSURE

8.1 Up to 80 Bar

8.1.1 Market Trends

8.1.2 Market Forecast

8.2 80 to 200 Bar

8.2.1 Market Trends

8.2.2 Market Forecast

8.3 Above 200 Bar

8.3.1 Market Trends

8.3.2 Market Forecast

9 MARKET BREAKUP BY END-USE INDUSTRY

9.1 Water Treatment

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Oil and Gas

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Chemical

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Pharmaceutical

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Food and Beverage

9.5.1 Market Trends

9.5.2 Market Forecast

9.6 Others

9.6.1 Market Trends

9.6.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

10.2.3.2 Market Forecast

10.2.4 South Korea

10.2.4.1 Market Trends

10.2.4.2 Market Forecast

10.2.5 Australia

10.2.5.1 Market Trends

10.2.5.2 Market Forecast

10.2.6 Indonesia

10.2.6.1 Market Trends

10.2.6.2 Market Forecast

10.2.7 Others

10.2.7.1 Market Trends

10.2.7.2 Market Forecast

10.3 Europe

10.3.1 Germany

10.3.1.1 Market Trends

10.3.1.2 Market Forecast

10.3.2 France

- 10.3.2.1 Market Trends
- 10.3.2.2 Market Forecast
- 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
- 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
- 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
- 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
- 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast
 - 10.4.2 Mexico
 - 10.4.2.1 Market Trends
 - 10.4.2.2 Market Forecast
 - 10.4.3 Others
 - 10.4.3.1 Market Trends
 - 10.4.3.2 Market Forecast
- 10.5 Middle East and Africa
 - 10.5.1 Market Trends
 - 10.5.2 Market Breakup by Country
 - 10.5.3 Market Forecast

11 SWOT ANALYSIS

- 11.1 Overview
- 11.2 Strengths
- 11.3 Weaknesses
- 11.4 Opportunities
- 11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

- 13.1 Overview
- 13.2 Bargaining Power of Buyers
- 13.3 Bargaining Power of Suppliers
- 13.4 Degree of Competition
- 13.5 Threat of New Entrants
- 13.6 Threat of Substitutes

14 PRICE INDICATORS

15 COMPETITIVE LANDSCAPE

- 15.1 Market Structure
- 15.2 Key Players
- 15.3 Profiles of Key Players
 - 15.3.1 Dover Corporation
 - 15.3.1.1 Company Overview
 - 15.3.1.2 Product Portfolio
 - 15.3.1.3 Financials
 - 15.3.1.4 SWOT Analysis
 - 15.3.2 Flowserve Corporation
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 Financials
 - 15.3.2.4 SWOT Analysis
 - 15.3.3 Graco Inc.
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
 - 15.3.3.3 Financials
 - 15.3.3.4 SWOT Analysis
 - 15.3.4 Grundfos Holding A/S
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.4.3 Financials
 - 15.3.4.4 SWOT Analysis

- 15.3.5 IDEX Corporation
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
 - 15.3.5.4 SWOT Analysis
- 15.3.6 Ingersoll-Rand Inc.
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
- 15.3.7 Leak-Proof Pumps (I) Pvt. Ltd.
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
- 15.3.8 LEWA GmbH
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
- 15.3.9 Seepex GmbH
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
 - 15.3.9.3 Financials
- 15.3.10 SPX Flow Inc.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials
 - 15.3.10.4 SWOT Analysis
- 15.3.11 Tapflo (Wuxi) Pumps Co., Ltd.
 - 15.3.11.1 Company Overview
 - 15.3.11.2 Product Portfolio
- 15.3.12 Verder International B.V.
 - 15.3.12.1 Company Overview
 - 15.3.12.2 Product Portfolio
 - 15.3.12.3 Financials
- 15.3.13 Xylem Inc.
 - 15.3.13.1 Company Overview
 - 15.3.13.2 Product Portfolio
 - 15.3.13.3 Financials
 - 15.3.13.4 SWOT Analysis
- 15.3.14 Yamada Corporation
 - 15.3.14.1 Company Overview
 - 15.3.14.2 Product Portfolio
 - 15.3.14.3 Financials

List Of Tables

LIST OF TABLES

Table 1: Global: Diaphragm Pump Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Diaphragm Pump Market Forecast: Breakup by Mechanism (in Million US\$), 2024-2032

Table 3: Global: Diaphragm Pump Market Forecast: Breakup by Operation (in Million US\$), 2024-2032

Table 4: Global: Diaphragm Pump Market Forecast: Breakup by Discharge Pressure (in Million US\$), 2024-2032

Table 5: Global: Diaphragm Pump Market Forecast: Breakup by End-Use Industry (in Million US\$), 2024-2032

Table 6: Global: Diaphragm Pump Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: Diaphragm Pump Market: Competitive Structure

Table 8: Global: Diaphragm Pump Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Diaphragm Pump Market: Major Drivers and Challenges

Figure 2: Global: Diaphragm Pump Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Diaphragm Pump Market: Breakup by Mechanism (in %), 2023

Figure 4: Global: Diaphragm Pump Market: Breakup by Operation (in %), 2023

Figure 5: Global: Diaphragm Pump Market: Breakup by Discharge Pressure (in %), 2023

Figure 6: Global: Diaphragm Pump Market: Breakup by End-Use Industry (in %), 2023

Figure 7: Global: Diaphragm Pump Market: Breakup by Region (in %), 2023

Figure 8: Global: Diaphragm Pump Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 9: Global: Diaphragm Pump (Air Operated) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: Diaphragm Pump (Air Operated) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: Diaphragm Pump (Electrically Operated) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: Diaphragm Pump (Electrically Operated) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: Diaphragm Pump (Single Acting) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: Diaphragm Pump (Single Acting) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: Diaphragm Pump (Double Acting) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: Diaphragm Pump (Double Acting) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: Diaphragm Pump (Up to 80 Bar) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: Diaphragm Pump (Up to 80 Bar) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: Diaphragm Pump (80 to 200 Bar) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: Diaphragm Pump (80 to 200 Bar) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 21: Global: Diaphragm Pump (Above 200 Bar) Market: Sales Value (in Million

US\$), 2018 & 2023

Figure 22: Global: Diaphragm Pump (Above 200 Bar) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: Diaphragm Pump (Water Treatment) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: Diaphragm Pump (Water Treatment) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: Diaphragm Pump (Oil and Gas) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: Diaphragm Pump (Oil and Gas) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Global: Diaphragm Pump (Chemical) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Global: Diaphragm Pump (Chemical) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Global: Diaphragm Pump (Pharmaceutical) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Global: Diaphragm Pump (Pharmaceutical) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Global: Diaphragm Pump (Food and Beverage) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Global: Diaphragm Pump (Food and Beverage) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Global: Diaphragm Pump (Other End-Use Industries) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Global: Diaphragm Pump (Other End-Use Industries) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: North America: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: North America: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: United States: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: United States: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Canada: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Canada: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Asia Pacific: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Asia Pacific: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: China: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: China: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Japan: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Japan: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: India: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: India: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: South Korea: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: South Korea: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Australia: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Australia: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Indonesia: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Indonesia: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: Others: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: Others: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Europe: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Europe: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: Germany: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 60: Germany: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: France: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: France: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: United Kingdom: Diaphragm Pump Market: Sales Value (in Million US\$),

2018 & 2023

Figure 64: United Kingdom: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Italy: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Italy: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Spain: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Spain: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Russia: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Russia: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Others: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Others: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: Latin America: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: Latin America: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: Brazil: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: Brazil: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Mexico: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 78: Mexico: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 79: Others: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 80: Others: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 81: Middle East and Africa: Diaphragm Pump Market: Sales Value (in Million US\$), 2018 & 2023

Figure 82: Middle East and Africa: Diaphragm Pump Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 83: Global: Diaphragm Pump Industry: SWOT Analysis

Figure 84: Global: Diaphragm Pump Industry: Value Chain Analysis

Figure 85: Global: Diaphragm Pump Industry: Porter's Five Forces Analysis

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