

Positive Displacement Pumps Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global positive displacement pumps market size reached US\$ 13.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 19.1 Billion by 2028, exhibiting a growth rate (CAGR) of 5.85% during 2023-2028.

A positive displacement (PD) pump, also known as constant flow machine, is a form of an industrial pump that is used to transfer or displace fluid from the inlet pressure section into the discharge tube or pipe. It has an expanding cavity on the suction side and a contracting cavity on the discharge side. Liquid flows into the expanding cavity and is then discharged as the cavity collapses. The PDPs always maintain a constant flow of liquid irrespective of the back pressure. They differ from the traditionally used centrifugal pumps as they advance the fluid at the same speed regardless of the pressure, whereas the centrifugal pumps apply pressure along their circumference while in motion.

The growing need for wastewater treatment from the refining, chemical and pharmaceutical industries is the key factor driving the growth of the market. Growing population and industrialization have resulted in a burgeoning demand for crude oil which has consequently augmented the demand for positive displacement pumps. Furthermore, various water-dependent industries such as marine and textile are increasingly installing water treatment systems that consist PMPs to enhance reliability, sustainability and profitability of their operations. Moreover, increased exploratory activities in the oil and gas industry along with various technological advancements such as the mixture of hydraulic fracturing and horizontal drilling have boosted the global levels of oil production, thus attracting numerous vendors to invest in this market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global positive displacement pumps market report, along with forecasts at the global and regional level from 2023-2028. Our report has categorized the market based on product type, capacity, pump characteristics, raw material and end use industry.

Breakup by Product Type:

Rotary Pumps

Vane

Screw

Lobe

Gear

Progressing Cavity (PC)

Others

Reciprocating Pumps

Piston

Diaphragm

Plunger

Others

Peristaltic

Others

Breakup by Capacity:

Low Capacity Pumps

Medium Capacity Pumps

High Capacity Pumps

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
Water and Wastewater
Automotive
Chemicals and Petrochemicals
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 Flowserve Corporation, Grundfos A/S, ITT Inc., KSB SE & Co. KGaA, SPX FLOW, ALFA LAVAL Corporate AB, Schlumberger Corporate Communications, Colfax Corporation, HERMETIC-Pumpen GmbH, Xylem, Inc., Sulzer Management Ltd., Baker Hughes Company, EBARA CORPORATION, WEIR GROUP PLC, FRISTAM Pumpen KG (GmbH & Co.), Altra Industrial Motion Corp., A.R. North America, Inc., Verder International B.V., and Watson-Marlow Fluid Technology Group.

Key Questions Answered in This Report

1. What is the size of the global positive displacement pumps market?
2. What is the expected growth rate of the global positive displacement pumps market?
3. What are the key factors driving the global positive displacement pumps market?
4. What has been the impact of COVID-19 on the global positive displacement pumps market?
5. What is the breakup of the global positive displacement pumps market based on the

product type?

6. What is the breakup of the global positive displacement pumps market based on the capacity?

7. What is the breakup of the global positive displacement pumps market based on the pump characteristics?

8. What is the breakup of the global positive displacement pumps market based on the raw material?

9. What is the breakup of the global positive displacement pumps market based on the end use industry?

10. What are the key regions in the global positive displacement pumps market?

11. Who are the key players/companies in the global positive displacement pumps market?

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