

Metering Pumps - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Metering Pumps Market is expected to register a CAGR of 4.5% during the forecast period.

Key Highlights

- Chemicals, having various properties and characteristics, find applications in almost all industries. However, if used without adequate control, chemicals (often procured and stored in high concentrations) can cause harm to people and the environment. Hence, it is important to ensure that chemicals are precisely dispersed in the manufacturing process. The chemical processing and petrochemical industries are witnessing increased employment of metering pumps for injection of solvents, acids, etc.
- In March 2022, Saudi Crown Prince Mohammed bin Salman (MBS) cemented a USD 10 billion deal for a refining and petrochemical complex in China. Further, the kingdom pledged an investment of USD 20 billion in Pakistan and sought to make additional investments in India's refining industry. Such investments would boost the growth of the studied market in the Asia Pacific region.
- The United Nations (UN) estimates that 2.2 billion people lack access to clean drinking water and that annual water use is rising by 1%. Additionally, it is predicted that more than 80% of wastewater is released into the environment untreated. The manufacturing sector currently utilizes 19 % of fresh water, and by 2050, that percentage is expected to rise to 24 %, according to the UN World Water Development Report. The pressing requirement for treated, clean water is being accelerated by the increasing global population and expanding manufacturing sector. These factors encourage the employment of metering pumps for desalination, wastewater and sewage treatments, etc.
- Further, several companies are innovating comprehensive products to cater to the industrial and manufacturing sectors. For instance, in June 2022, blue-white introduced FLEXFLO A5 high-volume peristaltic metering pump for industrial applications. It is a fully enclosed and easily configurable pump that does not require external control devices to operate. It features a large 5 display for easy viewing with simple and intuitive touchscreen controls and icon-driven menu navigation. The A5 remote control signal

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options include Pulse, 4-20mA, Modbus TCP, EtherNet/IP, and PROFIBUS for enhanced supervision and automation for critical metering and transfer applications.

- However, the market for metering pumps was harshly impacted by the COVID-19 pandemic and supply-demand imbalance. Due to the pandemic, there has been a drop in refinery throughput, a halt in manufacturing, disruption of the supply chain, and the postponement of expansion projects worldwide, which has resulted in a decrease in demand for metering pumps.

Metering Pumps Market Trends

Water Treatment Segment is Expected to Drive the Market's Growth

- The entire process in a wastewater plant needs a dosing/metering pump for various functions like coagulation, flocculation, disinfection, etc. One of the main reasons for using metering pumps for these processes is their flexibility in allowing easy setting of the required rate at which the liquids are injected or discharged.
- Metering pumps are often used in water treatment to feed chemical additives into the water to enhance water quality. The additives applied range from scale inhibitors to redox agents to non-oxidizing biocides. Chemical dosing systems for water treatment plants can handle various fluids, chemicals, and viscous and corrosive materials.
- In March 2021, at a high-level meeting on the 'Implementation of the Water-related Goals and Targets of the 2030 Agenda', UN Member States noted that achieving SDG (Sustainable Development Goals) 6 by 2030 would require mobilizing an additional USD 1.7 trillion investment in water-related infrastructure. To make this happen, Member States are calling for new partnerships between governments and a diverse group of stakeholders, including the private sector and philanthropic organizations, and the wide dissemination of innovative technology and methods.
- Further, in April 2022, the Ministry of Ecology and Environment announced that China would improve sewage treatment in its vast rural areas, with the aim of the rural life sewage treatment rate reaching 40% in 2025 from 28% in 2020. Therefore, government organizations, market entities, and villagers would be encouraged to join hands to achieve the goal. The move was a part of China's efforts to push forward rural vitalization. Such initiatives at a global and regional level would offer lucrative opportunities for the growth of the studied market.
- The main reasons behind high pollution levels in several rivers are the untapped wastewater from unauthorized colonies and poor quality of treated wastewater discharged from wastewater treatment plants (WWTPs). Various nations are launching numerous initiatives to tackle this problem. For instance, in March 2022, a review meeting of the National Mission for Clean Ganga (NMCG) along with the Delhi Jal Board, chaired by Chief Minister Arvind Kejriwal, Chief Minister of Delhi, reported the details of a new water treatment plant to rejuvenate the river Yamuna, with a capacity pump out 564 million liters of treated water daily.

Asia Pacific Region is Expected to hold a Significant Market Share

- According to US Energy Information and Administration, Crude Oil Production in India increased to 605.10 BBL/D/1K(1000 Barrels per day) in February from 604.20 BBL/D/1K in January of 2022. Furthermore, Crude Oil Production in Indonesia increased to 670 BBL/D/1K in February from 616 BBL/D/1K in January of 2022. Such oil industry growth in different regions may drive the studied market.
- The collaboration between firms to increase their oil production and expand their presence in the APAC region may create an opportunity for the local players to enhance their product portfolio and meet the customers' needs.
- According to the National Bureau of Statistics of China, in 2021, a total of 55.44 million tons of nitrogen, phosphate, and potash fertilizer will be produced in China. Furthermore, according to India Brand Equity Foundation, by 2025, it is anticipated that investments in the Indian chemicals and petrochemicals sector will total INR 8 lakh crore (USD 107.38 billion). In December 2021,

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chemical output totaled 903,002 MT, while petrochemical production totaled 1,877,907 MT. Such huge investments in the chemical industry will enhance the metering pump market growth.

- In April 2022, The Memorandum of Cooperation (MoC) between India and Japan in Decentralized Domestic Wastewater Management received the ex-post facto approval of the Union Cabinet, which is presided over by the Prime Minister of India. Japan's Ministry of the Environment will advance the MoC, the Ministry of Jal Shakti, and the Department of Water Resources, River Development, and Ganga Rejuvenation (DoWR, RD&GR). The executive departments will establish a Management Council (MC) to design specific collaborative activities and oversee their implementation. India hopes to create a "Decentralized Domestic Wastewater Management" through this partnership with Japan and use Johkasou technology to guarantee the efficient reuse of treated wastewater. Such Government initiatives will significantly drive the market.

- The industrial sector has experienced rapid expansion in developing regions and stable growth in developed/mature markets over the past ten years. Participants in the industry are striving to meet the increasing demand for metering pumps in developing economies. Factors like rapid industrialization, rising living standards, sizable population, and cheap labor contribute to the increasing focus on the APAC region. The need for metering pumps is anticipated to increase as new manufacturing facilities are expected to be built throughout the forecast period.

Metering Pumps Industry Overview

The Global Metering Pumps Market is a moderately segmented market with significant players like Milton Roy Company, PSG (Dover Corporation), Mcfarland-Tritan LLC, Seko S.P.A, etc. To stay competitive, the market players are innovating advanced products to cater to the specific requirements of their customers.

- March 2022 - Graco expanded its SoloTech hose pump line, which now includes models for hygienic applications and additional sizes for industrial installations. The pumps are intended for slurries, solids, and abrasives in hygienic applications or to pump caustic, abrasive, or sensitive fluids in industrial installations.

- August 2021 - The Watson-Marlow Fluid Technology Group launched the Qdos Conveying Wave Technology (CWT) pump, which extends the capabilities of peristaltic pump technology and offers longer service life than traditional tube-based designs. Qdos CWT pumps provide high levels of chemical dosing accuracy in water treatment applications. The pumps introduce chemicals, including sodium hypochlorite, for post-chlorination cycles without needing to overdose. The sealed CWT pump head delivers accurate, linear, and repeatable flow and is very safe as it minimizes operator exposure to chemicals.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions and Market Definition
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

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4 MARKET INSIGHTS

4.1 Market Overview

4.2 Industry Attractiveness - Porter's Five Forces Analysis

4.2.1 Bargaining Power Of Suppliers

4.2.2 Bargaining Power Of Buyers

4.2.3 Threat Of New Entrants

4.2.4 Threat Of Substitutes

4.2.5 Intensity Of Competitive Rivalry

4.3 Value Chain Analysis

4.4 Assessment of the Impact of Covid-19 on the Market

5 MARKET DYNAMICS

5.1 Market Drivers

5.1.1 Extensive Demand from Chemical Plants

5.1.2 Stringent Regulations for Wastewater Treatment

5.2 Market Restraints

5.2.1 Requirement of Frequent Maintenance

5.2.2 Growing Customization Demands (Frequent Modification in Design Required according to Fluid Properties)

6 MARKET SEGMENTATION

6.1 By Type

6.1.1 Diaphragm

6.1.2 Piston/Plunger

6.1.3 Others (peristaltic pumps, rotary pump)

6.2 By End-User

6.2.1 Oil & Gas

6.2.2 Water Treatment

6.2.3 Chemical Processing

6.2.4 Pharmaceuticals

6.2.5 Food & Beverage

6.2.6 Others (pulp & paper, Textile)

6.3 By Geography

6.3.1 North America

6.3.1.1 United States

6.3.1.2 Canada

6.3.2 Europe

6.3.2.1 United Kingdom

6.3.2.2 Germany

6.3.2.3 France

6.3.2.4 Rest of Europe

6.3.3 Asia-Pacific

6.3.3.1 China

6.3.3.2 Japan

6.3.3.3 India

6.3.3.4 South Korea

6.3.3.5 Rest of Asia-Pacific

6.3.4 Latin America

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- 6.3.4.1 Brazil
- 6.3.4.2 Mexico
- 6.3.4.3 Rest of Latin America
- 6.3.5 Middle-East and Africa
 - 6.3.5.1 United Arab Emirates
 - 6.3.5.2 Saudi Arabia
 - 6.3.5.3 Rest of Middle-East and Africa

7 COMPETITIVE LANDSCAPE

- 7.1 Company Profiles
 - 7.1.1 Milton Roy Company (Ingersoll Rand)
 - 7.1.2 PSG (Dover Corporation)
 - 7.1.3 Mcfarland-Tritan LLC
 - 7.1.4 Seko S.P.A
 - 7.1.5 Grundfos Holding A/S
 - 7.1.6 LEWA (Nikkiso Co. Ltd.)
 - 7.1.7 ProMinent GmbH
 - 7.1.8 Seepex GmbH
 - 7.1.9 SPX Flow Technology Norderstedt GmbH
 - 7.1.10 GRACO, INC.
 - 7.1.11 Watson-Marlow Fluid Technology Group (Spirax-Sarco Engineering)
 - 7.1.12 Verder Group
 - 7.1.13 IDEX Corporation
 - 7.1.14 Blue-White

8 INVESTMENT ANALYSIS

9 FUTURE OUTLOOK

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