

Dosing Pump Market Forecasts to 2032 – Global Analysis By Type (Hydraulic Dosing Pumps, Mechanical Dosing Pumps, Electric Dosing Pumps, Peristaltic Dosing Pumps, Diaphragm Dosing Pumps, Piston Dosing Pumps, Solenoid Pumps, and Other Types), Flow Rate, Power Source, Material, Technology, Application and By Geography

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Abstracts

According to Statistics MRC, the Global Dosing Pump Market is accounted for \$6.11 billion in 2025 and is expected to reach \$10.83 billion by 2032 growing at a CAGR of 8.5% during the forecast period. A dosing pump is a precise and controlled pump used to inject a specific amount of fluid (such as chemicals or additives) into a system or process. Commonly used in industries like water treatment, pharmaceuticals, and food processing, dosing pumps ensure accurate delivery of substances at predetermined rates. These pumps are often adjustable and can be operated manually or automated, ensuring consistent and accurate dosing for various applications.

Market Dynamics:

Driver:

Rising demand for water & wastewater treatment

Dosing pumps are essential in maintaining accurate chemical dosages in treatment plants, ensuring effective disinfection and purification. Governments and municipalities are investing in modern infrastructure to meet rising water quality standards. Strict environmental regulations concerning effluent discharge are encouraging industries to

adopt advanced dosing systems. The food & beverage and pharmaceutical sectors are also witnessing higher adoption of dosing technologies for hygienic water management. As sustainability goals grow stronger, the demand for reliable dosing pump solutions continues to escalate.

Restraint:

Skilled workforce requirement

The installation and operation of dosing pump systems demand specialized knowledge and technical expertise. These systems often integrate with automated control platforms and require precise calibration and maintenance. A shortage of skilled technicians can delay implementation timelines and increase operational risks. Companies struggle to scale their systems effectively across industries due to training gaps and limited qualified manpower. In developing regions, knowledge transfer and workforce development lag behind technological advancement. This skills gap acts as a major restraint to full market penetration of dosing pumps.

Opportunity:

Rising awareness of hygienic processing systems

Hygiene is becoming a top priority in industries such as food processing, pharmaceuticals, and water treatment. Dosing pumps are increasingly used for controlled delivery of sanitizers, disinfectants, and other process chemicals. Global awareness of contamination risks is driving the demand for closed-loop dosing systems with minimal human contact. Companies are investing in smart dosing technologies to ensure precision and safety across applications. Technological innovations, such as integrated monitoring and remote control features, are gaining traction. These trends present exciting opportunities for manufacturers offering hygienic dosing solutions.

Threat:

Availability of alternative technologies

Emerging technologies such as peristaltic pumps and diaphragm metering systems offer competitive dosing solutions with different advantages. Some alternatives are more energy-efficient or easier to maintain in specific applications. Rapid innovations in digital fluid control systems may reduce the dependency on traditional mechanical

dosing pumps. Cost-effective automation solutions are disrupting the dosing landscape in smaller facilities. Buyers are increasingly evaluating multi-functional equipment to consolidate operations. This shift poses a threat to traditional dosing pump manufacturers who fail to innovate.

Covid-19 Impact:

The COVID-19 pandemic disrupted the dosing pump market due to halted infrastructure projects and supply chain breakdowns. Lockdowns led to reduced industrial activity and delays in procurement and commissioning of new systems. However, the importance of sanitation and water hygiene received amplified attention during the crisis. Remote monitoring and predictive maintenance saw increased adoption to ensure continuity. As markets stabilized post-pandemic, demand rebounded strongly, signalling long-term growth for dosing pump manufacturers.

The hydraulic dosing pumps segment is expected to be the largest during the forecast period

The hydraulic dosing pumps segment is expected to account for the largest market share during the forecast period, due to their robustness and precision under high-pressure conditions. Their ability to handle viscous and aggressive fluids makes them suitable for challenging industrial applications. These pumps are preferred in water treatment, chemical processing, and oil & gas operations. Enhanced accuracy, low maintenance, and adaptability across fluctuating operating environments drive their demand. Continued innovation in actuator mechanisms and control interfaces further strengthen their market position.

The water treatment segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the water treatment segment is predicted to witness the highest growth rate, owing to increasing demand for clean water across residential and industrial sectors. Dosing pumps play a critical role in chemical addition processes like chlorination, pH control, and coagulation. Infrastructure upgrades in emerging economies are fueling demand for effective water management solutions. Rising water scarcity concerns are encouraging reuse and recycling, requiring precise dosing mechanisms. Technological advancements and government initiatives toward sustainable water treatment are accelerating growth.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share, due to massive industrial growth, urbanization, and government-led environmental initiatives. Countries like China, India, and Southeast Asian nations are prioritizing water quality improvement and infrastructure modernization. Investments in smart cities and clean energy projects are further driving the need for dosing technologies. Rapid population growth and economic expansion are straining existing water systems.

Region with highest CAGR:

Over the forecast period, the North America region is anticipated to exhibit the highest CAGR, due to strong regulatory frameworks and adoption of advanced automation technologies. The United States and Canada are investing heavily in modernizing water and wastewater treatment systems. Environmental agencies enforce strict standards, driving replacement demand for outdated pumping systems. Innovations in precision dosing, remote monitoring, and predictive analytics are being embraced across industries. Growing awareness of environmental sustainability and resource optimization is spurring rapid market expansion.

Key players in the market

Some of the key players in Dosing Pump Market include Grundfos Holding A/S, Verder Group, ProMinent GmbH, Lutz-Jesco GmbH, Watson-Marlow Fluid Technology Solutions, SPX Flow Inc., IDEX Corporation, Blue-White Industries, Ltd., Milton Roy Company, NETZSCH Pumpen & Systeme GmbH, SEKO S.p.A., Iwaki Co., Ltd., Dover Corporation, LEWA GmbH, and Nikkiso Co., Ltd.

Key Developments:

In June 2025, Grundfos has signed an agreement to acquire the Pittsburgh based water and wastewater treatment solutions company Newterra from the Chicago-based Private Equity firm, Frontenac. The signing follows a series of strategic acquisitions made by Grundfos in recent years and will further strengthen the company's growing portfolio within water treatment.

In September 2024, Verder announced the acquisition of Sauermann, a leading supplier in the HVAC-R market. This strategic acquisition marks a significant step forward for

Verder, as it continues to expand its product portfolio and strengthen its position in the global pump and equipment industry.

In September 2024, IDEX Corporation has completed its previously-announced acquisition of Mott Corporation and its subsidiaries (“Mott”), expanding IDEX’s applied material science technology capabilities in high-value end markets. Mott is a leader in the design and manufacturing of sintered porous material structures and flow control solutions, with deep applied material science knowledge and process control capabilities.

Types Covered:

Hydraulic Dosing Pumps

Mechanical Dosing Pumps

Electric Dosing Pumps

Peristaltic Dosing Pumps

Diaphragm Dosing Pumps

Piston Dosing Pumps

Solenoid Pumps

Other Types

Flow Rates Covered:

Low Flow (up to 10 L/h)

Medium Flow (10 to 100 L/h)

High Flow (100+ L/h)

Power Sources Covered:

Electric Dosing Pumps

Pneumatic Dosing Pumps

Manual Dosing Pumps

Materials Covered:

Stainless Steel

Plastic

Alloys

Technologies Covered:

Automated Dosing Systems

Manual Dosing Systems

Applications Covered:

Water Treatment

Chemical Processing

Pharmaceuticals

Food & Beverages

Oil & Gas

Agriculture & Fertilization

Other Applications

Regions Covered:**North America**

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free

Dosing Pump Market Forecasts to 2032 – Global Analysis By Type (Hydraulic Dosing Pumps, Mechanical Dosing Pump...

customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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