

# Peristaltic Pump Market to Reach USD 2.5 Billion by 2034, Driven by Pharmaceutical and Water Treatment Demand

*The Peristaltic Pump Market will grow from USD 1.5B in 2024 to USD 2.5B by 2034, driven by pharma demand, water treatment, and smart pump innovations.*

VANCOUVER, BC, CANADA, August 18, 2025 /EINPresswire.com/ -- The global [Peristaltic Pump Market](#) is expected to see steady growth over the next decade, expanding from USD 1.5 billion

in 2024 to USD 2.5 billion by 2034. This reflects a compound annual growth rate (CAGR) of 5.3%, driven by rising demand in the pharmaceutical industry, increasing adoption in water and wastewater treatment, and ongoing technological innovation.



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## Market Overview

North America currently holds the largest market share, supported by strong pharmaceutical and biotechnology industries. Meanwhile, Asia Pacific is the fastest-growing region, fueled by rapid industrialization and infrastructure development, particularly in sustainable water management projects.

Pharmaceuticals remain the largest application segment, as peristaltic pumps are widely used for contamination-free and precise fluid handling. Other important applications include water treatment and chemical processing.

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## Key Market Drivers

### Pharmaceutical Industry Growth

The pharmaceutical sector is expanding at an estimated 6% annually, creating strong demand for sterile and accurate fluid transfer systems. Peristaltic pumps are widely used in drug

manufacturing, cleanroom environments, and laboratory settings, making this industry one of the largest growth drivers.

#### Water and Wastewater Treatment

Global investments in water infrastructure are increasing by about 10% per year. Peristaltic pumps are preferred in this sector for their ability to handle abrasive and viscous fluids without contamination. With growing concerns about water sustainability, adoption is expected to rise significantly.

#### Technological Advancements

The integration of IoT-enabled pumps is transforming the industry by enabling real-time monitoring and predictive maintenance. IoT-enabled devices are projected to grow at a rate of 15% annually. At the same time, energy-efficient pump designs are in high demand, driven by a 12% increase in sustainability-focused investments.

#### Market Restraints

While growth prospects are strong, the industry faces challenges:

**High Initial Costs:** Advanced models, especially those with IoT features, can be costly, making it difficult for small and medium enterprises to adopt. Surveys show that nearly half of SMEs cite cost as the main barrier.

**Pressure Limitations:** Peristaltic pumps have limited capacity for high-pressure applications, restricting their use in industries such as oil and gas. Currently, only about 30% of pumps are used in applications exceeding 10 bar.

**Regulatory Compliance:** Manufacturers must meet multiple international standards such as CE and ISO certifications, which increase costs and operational complexity.

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#### Market Volume and Price Trends

The market is expected to grow from 1.2 million units in 2024 to 1.8 million units in 2034, reflecting a CAGR of 4.2%. While volume growth is slower than revenue growth, this indicates a shift toward higher-value, technologically advanced products.

Prices have seen moderate fluctuations, with average prices rising 3% in 2024 due to higher costs for elastomers and plastics. Regional differences are clear: North America maintains higher prices due to advanced technology adoption, while Asia Pacific remains cost-competitive due to local production and lower labor costs.

AI-driven pricing models are increasingly being used, with early adopters reporting a 4% increase in selling prices and nearly 2% margin improvements.

#### Peristaltic Pump Market Segmentation

##### By Product Type

Hose Pumps  
Tube Pumps

By Application

Pharmaceutical  
Water and Wastewater Treatment  
Food and Beverage  
Chemical Processing

By End User

Industrial  
Commercial  
Residential

By Technology

Traditional  
IoT-Enabled

By Distribution Channel

Direct Sales  
Distributors

Industry Trends

Growing adoption of IoT-enabled peristaltic pumps for smart monitoring and predictive maintenance.

Rising focus on energy-efficient pump designs, supported by global sustainability initiatives.  
Increasing demand in water and wastewater treatment as governments and organizations prioritize water management.

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Leading Companies

Key players shaping the market include Watson-Marlow Fluid Technology Group, Verder Group, and Cole-Parmer Instrument Company.

Recent developments highlight a focus on innovation and expansion:

In March 2024, Watson-Marlow introduced a new pump model to improve efficiency and reliability.

Verder Group expanded its global footprint by acquiring a local distributor in India, strengthening its presence in Asia Pacific.

## Peristaltic Pump Competitive Strategies & Notable Developments

### Top 10 Companies

Watson-Marlow Fluid Technology Group

Verder Group

Cole-Parmer Instrument Company

Flowrox

Graco Inc.

ProMinent GmbH

IDEX Corporation

Randolph Austin

Wanner Engineering

Albin Pump

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