

Flow Meters Market by Type [Differential Pressure, Positive Displacement, Magnetic (In-line, Insertion, Low Flow), Ultrasonic (Spool piece, Clamp-on, Insertion), Coriolis, Turbine, Vortex)], End-use Industry, and Region - Global Forecast to 2026

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Abstracts

The flow meters market size is estimated to be USD 7.7 billion in 2021 and is projected to reach USD 10.3 billion by 2026, at a CAGR of 6.2% between 2021 and 2026. Growth of the flow meters market is primarily triggered by the increasing demand of flow meters for use in the oil & gas and water & wastewater industries. The major restraint for the market will be an economic slowdown and declining oil prices. However, increased investments in process automation from developed regions will act as an opportunity for the market.

“Magnetic is the largest flow meter type for flow meters market in 2020”

Magnetic flow meter is the most widely used type among flow meters. Magnetic flow meters are also called mag meters. These flow meters follow the principle of electromagnetic induction to determine the flow of liquid in a pipe. These flow meters produce signals that are linear with the flow of the fluid. Thus, the turndown rate is low for this flow meter, and it offers greater accuracy than other types of flow meters. It is also unaffected by any change in temperature, density, viscosity, concentration and electrical conductivity. Magnetic flow meters are feasible for applications that include rapidly changing media, pH jumps, large amounts of solids or pulsating flow. Magnetic flow meters are preferably used for sanitary applications in water & wastewater and food & beverages industries. These flow meters are largely used in water & wastewater, metals & mining, chemical, and pulp & paper end-use industries.

“Water & wastewater is estimated to be the largest end-use industry of flow meters market between 2021 and 2026.”

Stringent regulations made by governments in these regions to support the goals of sustainability and zero carbon emission in these regions are facilitating the need for clean discharge of effluents from production plants. In the water & wastewater industry, applications of flow meters include water consumption metering, dosing of water treatment chemicals, leakage deduction & reduction, measuring water consumption in irrigation systems, groundwater consumption, monitoring influent and effluent water quantity in waste treatment plants, accurate billing & water consumption monitoring, monitoring of water flow between reservoirs, municipal network load monitoring, purge treatment, greywater recycling, anaerobic digestion, biogas measurement, residential sub-metering, and utility management.

“Asia Pacific is expected to be the largest flow meters market during the forecast period, in terms of value.”

Asia Pacific has dominated the global flow meters market due to the growing investments in developing countries and manufacturing capacity additions across end-use industries, especially water treatment and chemical processing. Investment in the water & wastewater, energy and power, refining, chemicals, pulp & paper and industrial infrastructure activities is increasing in developing economies such as China and India. This drives demand for measuring instruments, which has contributed significantly to the growth of the flow meters market in Asia Pacific. China is the key market for flow meters in the Asia Pacific due to its increasing industrialization and low-cost manufacturing technology. Most key players operating in the flow meters market have their production capacities in Asia Pacific since the region's production cost is lower than that in other regions. Some major players in Asia Pacific are Yokogawa Electric Corporation and Azbil Corporation. The demand for flow meters is growing, especially in Asia-Pacific and the Middle East & Africa. Thus, the markets in these regions are expected to register higher growth in comparison to other regions.

In the process of determining and verifying the market size for several segments and subsegments identified through secondary research, extensive primary interviews were conducted. A breakdown of the profiles of the primary interviewees are as follows:

By Company Type: Tier 1 - 45%, Tier 2 - 30%, and Tier 3 - 25%

By Designation: C-Level - 46%, Director Level - 25%, and Others - 29%

By Region: North America - 27%, Europe - 27%, Asia Pacific - 33%, South America - 7%, and Middle East & Africa - 6%,

The key market players profiled in the report include Honeywell International Inc. (US), Siemens Group (Germany), Emerson Electric Co. (US), ABB Ltd. (Switzerland), Yokogawa Electric Corporation (Japan), Azbil Corporation (Japan), Badger Meter, Inc. (US), Endress+Hauser Management AG (Switzerland), Krohne Messtechnik GmbH (Germany), and Schneider Electric (France).

Research Coverage

This report segments the market for flow meters on the basis of type, end-use industry, and region, and provides estimations for the overall value of the market across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, products & services, key strategies, new product launches, expansions, and mergers & acquisition associated with the market for flow meters.

Reasons to buy this report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the flow meters market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on flow meters offered by top players in the global flow meters market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the flow meters market

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for flow meters across regions

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global flow meters market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the flow meters market

Impact of COVID-19 on Flow Meters Market

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About

Flow meters are used to quantify the bulk fluid or gas movement. Different kinds of flow meters that are used to measure fluid or gas flows include differential pressure, positive displacement, magnetic, ultrasonic, Coriolis, turbine, vortex, thermal mass, and others. Water & wastewater and energy sector find maximum application of such flow meters. In the recent years, differential pressure and positive displacement flow meters are slowly getting replaced by the smart meters such as ultrasonic and Coriolis.

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