

Oil and Gas Mass Flow Controller Market Growth | Latest Trends & Forecast 2025 | DataM Intelligence

The Global Oil and Gas Mass Flow Controller Market is expected to reach at a CAGR of 7.55% during the forecast period 2025-2032.

AUSTIN, TX, UNITED STATES, June 9, 2025 /EINPresswire.com/ -- The Global [Oil and Gas Mass Flow Controller Market](#) was valued at USD 2.31 billion in 2024 and is projected to grow to USD 4.14 billion by 2032, registering a compound annual growth rate (CAGR) of 7.55% between 2025 and 2032.

Market Overview:

Mass flow controllers are essential instruments used for accurately measuring and controlling the flow of gases and liquids in oil and gas processes. The market is witnessing rapid adoption due to the expanding oil and gas production activities worldwide and the rising need for



The Oil and Gas Mass Flow Controller Market drives precise fluid measurement, enhancing operational efficiency and safety across upstream, midstream, and downstream processes globally."

DataM Intelligence

enhanced process control and real-time monitoring.

Innovations in smart controllers integrated with IoT and AI capabilities are further enhancing the market prospects.

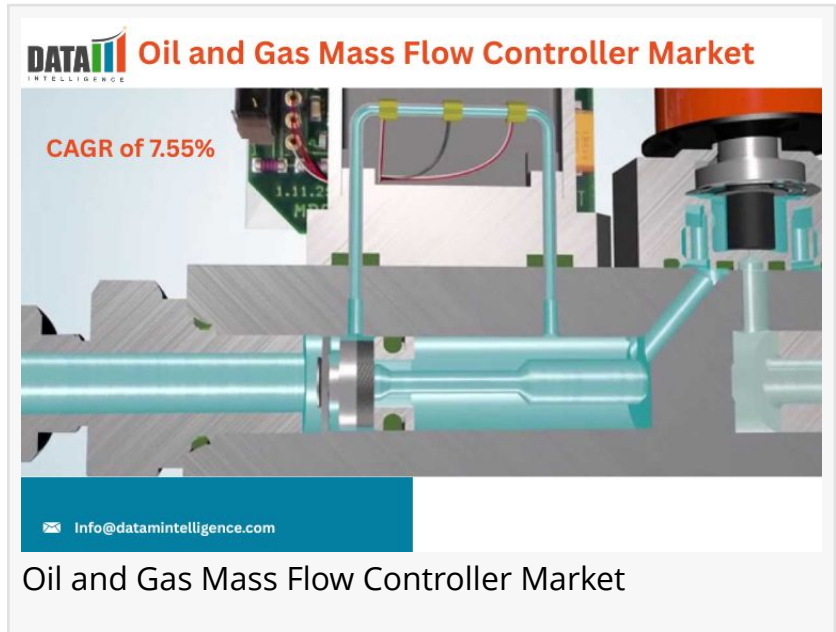
Download Sample Report Here:

<https://www.datamintelligence.com/download-sample/oil-gas-mass-flow-controller-market>

Market Drivers and Opportunities:

Increasing Energy Demand: Rising global energy needs, particularly in developing regions, are driving investments

in oil and gas infrastructure, boosting demand for reliable flow control equipment.



Technological Advancements: The integration of smart sensors and digital interfaces in mass flow controllers offers improved accuracy, remote monitoring, and predictive maintenance, attracting end-users to upgrade legacy systems.

Stringent Regulatory Standards: Governments' focus on safety and environmental compliance in oil and gas operations is propelling the adoption of advanced flow controllers to monitor and control emissions and process parameters.

Growing Offshore Exploration: Expansion in offshore drilling and production activities necessitates robust mass flow control solutions capable of operating in harsh environments.

Market Segmentation:

By Product:

Thermal-based Mass Flow Controller

Coriolis-based Mass Flow Controller.

By Material:

Stainless Steel

Alloy

Others.

By Flow Rate:

Low Flow (≤ 25 SLM) Mass Flow Controller

Medium Flow (> 25 SLM – ≤ 1000 SLM) Mass Flow Controller

High Flow (> 1000 SLM) Mass Flow Controller.

By Connectivity:

Analog

Digital.

By Region:

North America

Latin America

Europe

Asia Pacific

Middle East and Africa.

Geographical Market Share:

North America, particularly the USA, holds a dominant share in the oil & gas mass flow controller market, supported by mature oilfields, technological innovation, and strong infrastructure

investments. The Asia Pacific region, led by countries like Japan, is witnessing rapid growth due to increasing upstream and downstream activities and growing adoption of automated control systems.

Key Players:

Leading companies shaping the market landscape include

HORIBA, Ltd
Sensirion AG
MKS Instruments
Teledyne Technologies Incorporated
Bronkhorst
Brooks Instrument
Christian Bürkert GmbH & Co. KG
Sierra Instruments, Inc.
Alicat Scientific Inc.
PARKER HANIFIN CORP.

These players focus on innovation, strategic partnerships, and expanding their product portfolios to strengthen their market position globally.

Recent Developments:

USA

2025: A major oilfield services company in Texas partnered with a leading mass flow controller manufacturer to deploy AI-enabled flow control systems aimed at optimizing shale gas extraction efficiency and reducing downtime.

2024: The U.S. Department of Energy launched an initiative funding research on smart flow measurement technologies to enhance accuracy and reliability in offshore drilling operations.

Japan

2025: A Japanese conglomerate introduced next-generation compact mass flow controllers with integrated IoT sensors tailored for LNG processing plants, improving remote diagnostics and predictive maintenance.

2024: Japan's Ministry of Economy, Trade and Industry (METI) implemented updated safety regulations requiring enhanced monitoring of flow rates in oil refineries, driving adoption of advanced mass flow control devices.

Stay informed with the latest industry insights-start your subscription now:

<https://www.datamintelligence.com/reports-subscription>

Conclusion:

The Oil & Gas Mass Flow Controller Market is set to experience dynamic growth driven by technological innovation, regulatory pressure, and the imperative for operational efficiency in the oil and gas sector. With expanding global energy demands and increasing focus on digital transformation, stakeholders are expected to capitalize on emerging opportunities by investing in smart, reliable flow control solutions.

Related Reports:

[Plate and Frame Heat Exchanger Market](#)

[Data Center Rack Market](#)

Sai Kiran

DataM Intelligence 4Market Research

+1 877-441-4866

Sai.k@datamintelligence.com

Visit us on social media:

[LinkedIn](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/820403547>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.