

Global Mass Flow Controllers (MFC) Market Growth 2025-2031

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Abstracts

The global Mass Flow Controllers (MFC) market size is predicted to grow from US\$ 562 million in 2025 to US\$ 680 million in 2031; it is expected to grow at a CAGR of 3.2% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

The principle of the mass flow controller is to detect and control the gas mass flow by forming the temperature difference between the upstream and downstream of the baseline in the case of overcurrent. The mass flow controller can precisely control the gas mass flow. Its function is to precisely control the flow rate of the carrier gas and reaction gas entering the cavity per unit time to achieve the required mixing ratio for the reaction.

The main manufacturers of mass flow controllers in the market include HORIBA, Bronkhorst, MKS Instruments, etc. The top 5 companies in the world account for nearly 35% of the market. China is the largest market, with a share about 26%, followed by North America and Europe with the share about 22% and 25%.

LP Information, Inc. (LPI) ' newest research report, the "Mass Flow Controllers (MFC) Industry Forecast" looks at past sales and reviews total world Mass Flow Controllers (MFC) sales in 2024, providing a comprehensive analysis by region and market sector of projected Mass Flow Controllers (MFC) sales for 2025 through 2031. With Mass Flow Controllers (MFC) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Mass Flow Controllers

(MFC) industry.

This Insight Report provides a comprehensive analysis of the global Mass Flow Controllers (MFC) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Mass Flow Controllers (MFC) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Mass Flow Controllers (MFC) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Mass Flow Controllers (MFC) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Mass Flow Controllers (MFC).

This report presents a comprehensive overview, market shares, and growth opportunities of Mass Flow Controllers (MFC) market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Direct Type

Indirect Type

Segmentation by Application:

Chemical

Petroleum

Metallurgy

Pharmaceutical

Other Industries

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

MKS Instruments

Brooks Instrument

Teledyne Hastings Instruments

KOFLOC

HORIBA STEC

Bronkhorst

Key Questions Addressed in this Report

What is the 10-year outlook for the global Mass Flow Controllers (MFC) market?
What factors are driving Mass Flow Controllers (MFC) market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Mass Flow Controllers (MFC) market opportunities vary by end market size?

How does Mass Flow Controllers (MFC) break out by Type, by Application?

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