

North America Mass Flow Controller Market (2018 - 2024)

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Abstracts

The North America Mass Flow Controller Market would witness market growth of 4.6% CAGR during the forecast period (2018 – 2024). Growing possibilities in pharmaceutical and medical equipment and growing demand for mass flow controllers for space apps provide profitable possibilities for competitors on the mass flow controller market.

A mass flow controller (MFC) is a device used for measuring and controlling the flow of liquids and gases. The design and calibration of a mass flow controller is meant to control a specific type of liquid or gas at a specific range of flow rates. The controller is given a set-point from 0 to 100% of its full scale range. However, it is generally operated in the 10 to 90% of full scale where highest precision is achieved. The device then controls the rate of flow to the given set-point. MFCs either have an analog structure or a digital structure. A digital flow controller can control multiple types of fluid whereas an analog controller is restricted to the fluid for which it was adjusted.

Based on Material type, the market is segmented into Exotic Alloys and Stainless steel & others. Based on Flow rate, the market is segmented into Low Flow Rate, Medium Flow Rate, and High Flow Rate. Based on Media type, the market is segmented into Gas Mass Flow Controllers, Liquid Mass Flow Controllers, and Others. Based on Application, the market is segmented into Fluid & Gas Processing & Control, Catalyst Research, Fuel Cell & Solar Cell, Spray & Coating Processes, and Others. Based on End User, the market is segmented into Semiconductors, Oil & Gas, Chemical & Pharmaceuticals, Water & Wastewater Treatment, Metals & Mining, and Others. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key

companies profiled in the report include Bronkhorst High-Tech B.V., Brooks Instrument LLC, MKS Instruments Inc., Sierra Instruments, Inc., Sensirion Holding AG, Halma PLC, Parker Hannifin Corporation, Tokyo Keiso Co., Ltd., Vögtlin Instruments GmbH, and Azbil Corporation.

Scope of the Study

Market Segmentation:

By Material type

Exotic Alloys

Stainless Steel & Others

By Flow rate

Low Flow Rate

Medium Flow Rate

High Flow Rate

By Media type

Gas Mass Flow Controllers

Liquid Mass Flow Controllers

Others

By Application

Fluid & Gas Processing & Control

Catalyst Research

Fuel Cell & Solar Cell

Spray & Coating Processes

Others

By End User

Semiconductors

Oil & Gas

Chemical & Pharmaceuticals

Water & Wastewater Treatment

Metals & Mining

Others

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Bronkhorst High-Tech B.V.

Brooks Instrument LLC

MKS Instruments Inc.

Sierra Instruments, Inc.

Sensirion Holding AG

Halma PLC

Parker Hannifin Corporation

Tokyo Keiso Co., Ltd.

Vögtlin Instruments GmbH

Azbil Corporation

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