

Global Piezo Miniature Valve Market Growth 2022-2028

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Abstracts

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The piezo miniature valve is a two-position (or proportional) control valve made using the principle of bending and deformation of a functional ceramic piece under the action of voltage. All that is required to control the action of a piezoelectric valve is the supply of sufficient voltage and the electrical power consumption is almost zero. The piezoelectric valve acts as a pilot valve in the E/P conversion unit. Each E/P conversion unit applies two piezoelectric valves at the same time, for which the pilot pressure (i.e. the gas pressure in the pilot chamber) is too small to have the ability to generate airflow, so it must be pressurised

The global market for Piezo Miniature Valve is estimated to increase from US\$ million in 2021 to reach US\$ million by 2028, exhibiting a CAGR of % during 2022-2028. Keeping in mind the uncertainties of COVID-19 and Russia-Ukraine War, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use sectors. These insights are included in the report as a major market contributor.

The APAC Piezo Miniature Valve market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The United States Piezo Miniature Valve market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The Europe Piezo Miniature Valve market is expected at value of US\$ million in 2022 and grow at approximately % CAGR during 2022 and 2028.

The China Piezo Miniature Valve market is expected at value of US\$ million in 2022 and

grow at approximately % CAGR during 2022 and 2028.

Global key Piezo Miniature Valve players cover PI, Festo, Johnson Matthey Piezo Products, HORIBA and Marotta Controls, Inc., etc. In terms of revenue, the global largest two companies occupy a share nearly % in 2021.

Report Coverage

This latest report provides a deep insight into the global Piezo Miniature Valve market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, value chain analysis, etc.

This report aims to provide a comprehensive picture of the global Piezo Miniature Valve market, with both quantitative and qualitative data, to help readers understand how the Piezo Miniature Valve market scenario changed across the globe during the pandemic and Russia-Ukraine War.

The base year considered for analyses is 2021, while the market estimates and forecasts are given from 2022 to 2028. The market estimates are provided in terms of revenue in USD millions and volume in Units.

Market Segmentation:

The study segments the Piezo Miniature Valve market and forecasts the market size by Type (Standard and High Precision,), by Application (Mechanical Engineering, Automotive Industry, Aerospace and Oil And Gas), and region (APAC, Americas, Europe, and Middle East & Africa).

Segmentation by type

Standard

High Precision

Segmentation by application

Mechanical Engineering

Automotive Industry

Aerospace

Oil And Gas

Chemical Industry

Medical Technology

Electrical Industry

Segmentation 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

Major companies covered

PI

Festo

Johnson Matthey Piezo Products

HORIBA

Marotta Controls, Inc.

Piezo Systems

LINTEC

Dynamic Structures & Materials, Inc.

NGK ELECTRONICS DEVICES, INC

Solentec Ltd

VIEWEG GmbH

FISNAR

PiezoDrive

Chapter Introduction

Chapter 1: Scope of Piezo Miniature Valve, Research Methodology, etc.

Chapter 2: Executive Summary, global Piezo Miniature Valve market size (sales and revenue) and CAGR, Piezo Miniature Valve market size by region, by type, by application, historical data from 2017 to 2022, and forecast to 2028.

Chapter 3: Piezo Miniature Valve sales, revenue, average price, global market share, and industry ranking by company, 2017-2022

Chapter 4: Global Piezo Miniature Valve sales and revenue by region and by country. Country specific data and market value analysis for the U.S., Canada, Europe, China, Japan, South Korea, Southeast Asia, India, Latin America and Middle East & Africa.

Chapter 5, 6, 7, 8: Americas, APAC, Europe, Middle East & Africa, sales segment by country, by type, and type.

Chapter 9: Analysis of the current market trends, market forecast, opportunities and economic trends that are affecting the future marketplace

Chapter 10: Manufacturing cost structure analysis

Chapter 11: Sales channel, distributors, and customers

Chapter 12: Global Piezo Miniature Valve market size forecast by region, by country, by type, and application.

Chapter 13: Comprehensive company profiles of the leading players, including PI, Festo, Johnson Matthey Piezo Products, HORIBA, Marotta Controls, Inc., Piezo Systems, LINTEC, Dynamic Structures & Materials, Inc. and NGK ELECTRONICS DEVICES, INC, etc.

Chapter 14: Research Findings and Conclusion

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