

Global Micro Bubble Exhaust Valves Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Micro Bubble Exhaust Valves market size was valued at US\$ 912 million in 2024 and is forecast to a readjusted size of USD 1304 million by 2031 with a CAGR of 5.3% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Micro Bubble Exhaust Valve is a device specially designed to effectively remove tiny bubbles and free gases from the fluid system. Its core working principle relies on the spiral mesh structure inside it. The spiral mesh is welded by copper wire to form a three-dimensional mesh structure. The main function of this design is to enable the fluid to produce a relatively static area when flowing in the valve, thereby providing sufficient time and space for the separation of bubbles. When the fluid flows through the microbubble exhaust valve, the flow rate decreases, and the tiny bubbles can gradually detach from the fluid under the action of the spiral mesh and gather in the air chamber inside the valve body. The gas in the air chamber is then released to the outside through the automatic air release valve to ensure that the bubbles in the system are effectively removed. Due to the particularity of the spiral mesh structure design, it has very small pressure loss on the fluid, does not significantly hinder the flow of the fluid, and can maintain the efficient operation of the system.

In addition, a valve is designed on the side of the valve body of the microbubble exhaust valve to remove suspended impurities in the fluid, further improving the cleanliness and operation stability of the system. Through these functions, the micro-bubble exhaust

valve can not only effectively remove bubbles in the system and prevent cavitation and flow instability caused by gas accumulation, but also reduce the damage of pollutants to equipment. It is widely used in water supply, industrial pump systems, boiler steam systems and other fields.

This report is a detailed and comprehensive analysis for global Micro Bubble Exhaust Valves market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Micro Bubble Exhaust Valves market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Micro Bubble Exhaust Valves market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Micro Bubble Exhaust Valves market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Micro Bubble Exhaust Valves market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Micro Bubble Exhaust Valves
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Micro Bubble Exhaust Valves market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Bell & Gossett (Xylem), Flamco (Aalberts), Wilo, Armstrong Fluid Technology, Caleffi, Taco Comfort Solutions, American Wheatley, Amtrol, Engelmann Sensor, AFRISO, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Micro Bubble Exhaust Valves market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Threaded Connection Type

Flange Connection Type

Market segment by Application

HVAC Systems

Boiler Systems

Others

Major players covered

Bell & Gossett (Xylem)

Flamco (Aalberts)

Wilo

Armstrong Fluid Technology

Caleffi

Taco Comfort Solutions

American Wheatley

Amtrol

Engelmann Sensor

AFRISO

FlexEJ

ADEY

Spirotherm

Hamworthy Heating

Fabricated Products UK

FLUCON

Stourflex

Wessels

Thrush

Calefactio

AKDV

Nanjing Beite AC Equipment

Dongguan Polamter

TS Valve

OaseTECH

Beijing De'anyuan Environmental Technology

Hangzhou Kefulai Fluid Technology

ACOL(Shanghai) Online Controls

Flowkey Fluid Technology (Jiangsu)

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Micro Bubble Exhaust Valves product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Micro Bubble Exhaust Valves, with price, sales quantity, revenue, and global market share of Micro Bubble Exhaust Valves from 2020 to 2025.

Chapter 3, the Micro Bubble Exhaust Valves competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Micro Bubble Exhaust Valves breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Micro Bubble Exhaust Valves market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Micro Bubble Exhaust Valves.

Chapter 14 and 15, to describe Micro Bubble Exhaust Valves sales channel, distributors, customers, research findings and conclusion.

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