

Macrofiltration Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global macrofiltration market size reached US\$ 6.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 9.8 Billion by 2028, exhibiting a growth rate (CAGR) of 5.9% during 2023-2028.

Macrofiltration refers to the process of filtering insoluble solid particles from water through a special pore-sized membrane. It is carried out using a wide range of mesh screens or filters manufactured using stainless steel or woven polymer. Granular micro filter, filter press filter, belt filter press, bag filter, and auto backwash filter are some common product variants. It is widely used for pre-treatment, sanitation, dewatering sludge, product purification, separation, and washing. Macrofiltration is a cost-effective, environment-friendly, and energy-efficient process that offers easy scalability and higher operational efficiency. As a result, it finds extensive applications across the water and wastewater, chemical, pharmaceutical, food and beverage (F&B), mining, and paper industries.

Macrofiltration Market Trends:

The increasing demand for macrofiltration in the water and wastewater treatment industry is one of the key factors driving the market growth. It is widely used to purify fresh water, decrease turbidity, desalination, reclamation, and recycle wastewater for reuse in residential and industrial complexes. In addition, the implementation of stringent regulations, laws, and guidelines by several governments across the globe for reducing and reusing wastewater is acting as another growth-inducing factor. Furthermore, the widespread technique utilization in the pharmaceutical industry for selective filtration of microorganisms and pyrogens and purifying medicinal compounds is providing a considerable boost to the market growth. Apart from this, the introduction of a nanofibre layer that is added to the macro filtration substrate to enhance the

surface and depth filtration capabilities is creating a positive outlook for the market. Moreover, the widespread adoption of granular micro filter membranes that are specifically designed to separate sediments, algae, and large bacteria from liquids is propelling the market growth. Additionally, the rising demand for macrofiltration from the metal and mining industry to dewater fine coal and tailings and separate solid from the liquid in an ore concentration is positively influencing the market growth. Other factors, including significant growth in the chemical and pharmaceutical industries and rising investments in municipal infrastructural development to improve access to safe and portable drinking water, are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global macrofiltration market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product and industry vertical.

Breakup by Product:

- Granular Micro Filter
- Filter Press Filter
- Leaf Tubular and Press Filter
- Bag Filter
- Belt Filter Press
- Auto Backwash Filters
- Others

Breakup by Industry Vertical:

- Water and Wastewater
- Chemical and Pharmaceutical
- Mining and Metal
- Food and Beverage
- Paper and Pulp
- Others

Breakup by Region:

- North America
- United States

Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Amiad Water Systems, Ascension Industries Inc., Mann+Hummel, MTB Technologies Sp. Z O.O., Ostwald Filtration Systems GmbH, Pall Corporation (Danaher Corporation), Parker Hannifin Corporation, Pentair plc and SUEZ - Water Technologies & Solutions (Veolia Environnement S.A).

Key Questions Answered in This Report

1. What was the size of the global macrofiltration market in 2022?
2. What is the expected growth rate of the global macrofiltration market during 2023-2028?
3. What are the key factors driving the global macrofiltration market?
4. What has been the impact of COVID-19 on the global macrofiltration market?
5. What is the breakup of the global macrofiltration market based on the product?
6. What is the breakup of the global macrofiltration market based on the industry

vertical?

7. What are the key regions in the global macrofiltration market?

8. Who are the key players/companies in the global macrofiltration market?

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