

# Pharmaceutical Membrane Filtration Market is estimated to be US\$ 17.54 billion by 2030 with a CAGR of 11.5%-By PMI

*The report "Pharmaceutical Membrane Filtration Market, By Product, By Technique, By Material, By Application - Trends, Analysis and Forecast till 2030"*

COVINA, CALIFORNIA, UNITED STATE, March 21, 2023 /EINPresswire.com/ -- The [PHARMACEUTICAL MEMBRANE FILTRATION MARKET](#) accounted for US\$ 5.9 billion in 2020 and is estimated to be US\$ 17.54 billion by 2030 and is anticipated to register a CAGR of 11.5%. Membrane filtration is broadly employed in pharmaceutical, biotechnology, and chemical

procedures. It has already proved as a valuable means of cleaning and filtering waste liquid and industrial procedure liquid. Furthermore, the use of spiral and tubular sheath plants to screen filths from drinking water has been recently started in areas where the traditional management proved to be wasteful. A membrane is a thin layer of semi-permeable material that separates substances when a driving force is applied across the membrane. Membrane processes are increasingly used for removal of bacteria, microorganisms, particulates, and natural organic material, which can impart color, tastes, and odors to water and react with disinfectants to form disinfection byproducts. As advancements are made in membrane production and module design, capital and operating costs continue to decline.

The report "Pharmaceutical Membrane Filtration Market, By Product (Filter, System, and Accessories), By Technique (Microfiltration, Ultrafiltration, Nanofiltration, Reverse Osmosis, and Ion Exchange), By Material (PES, PVDF, Nylon, PTFE, MCE & CA, PCTE, and Other Materials (Polypropylene, Regenerated Cellulose, Gelatin, and PVC), By Application (Final Product Processing (API Filtration, Sterile Filtration, Protein Purification, Vaccine and Antibody Processing, Formulation and Filling Solutions, and Viral Clearance), Raw Material Filtration (Media Buffers, Prefiltration, and Bioburden Reduction), Cell Separation, Water Purification, and Air Purification), and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) -



Pharmaceutical Membrane Filtration Market - By PMI

## Trends, Analysis and Forecast till 2030”

### Key Highlights:

- In 2018, Pall Corporation partnered with BioSciencesCorp to supply drug manufacturers with direct access to Pall Biotech’s downstream technologies, including pharmaceutical membrane filtration.
- In 2020, Merck invested USD 280.3 million during a new facility—the Merck Biotech Development Center in Corsier-sur-Vevey, Switzerland.
- In 2019, Koch Membrane Systems launched Sani-Pro Spiral Element line.

### Analyst View:

The growth of the pharmaceutical membrane filtration market is primarily driven by a factor such as increasing adoption of single-use technologies and advancements in nanofiltration technologies. Also, the stringent environmental protocols and good manufacturing practices (GMP) in the pharmaceutical industry drives the growth of pharmaceutical membrane filtration market. However, membrane fouling concerns and high capital investments for operations are the major challenges faced by the target market.

### Scope of the Report:

#### 1. Market Purview

##### >Executive Summary

##### >Key Findings—Global Outlook for Pharmaceutical Membrane Filtration Strategies

- Key Questions this Study will Answer
- Market Snippet, By Product
- Market Snippet, By Technique
- Market Snippet, By Material
- Market Snippet, By Application
- Market Snippet, By Region

##### >Opportunity Map Analysis

##### >Executive Summary—3 Big Predictions

#### 2. Market Dynamics, Regulations, and Trends Analysis

##### >Market Dynamics

- Drivers
- Restraints
- Market Opportunities
- Market Trends

##### >DR Impact Analysis

##### >PEST Analysis

##### >Porter’s Five Forces Analysis

##### >Opportunity Orbit

##### >Market Investment Feasibility Index

##### >Macroeconomic Factor Analysis

### 3. Global Pharmaceutical Membrane Filtration Market, By Product, 2020 – 2030, (US\$ Mn)

#### >Overview

- Market Value and Forecast (US\$ Mn), and Share Analysis (%), 2020 – 2030
- Y-o-Y Growth Analysis (%), 2020 – 2030
- Segment Trends

#### >Filter

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

#### >System

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

#### >Accessories

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

### 4. Global Pharmaceutical Membrane Filtration Market, By Technique, 2020 – 2030, (US\$ Mn)

#### >Overview

- Market Value and Forecast (US\$ Mn), and Share Analysis (%), 2020 – 2030
- Y-o-Y Growth Analysis (%), 2020 – 2030
- Segment Trends

#### >Microfiltration

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

#### >Ultrafiltration

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

#### >Nanofiltration

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

#### >Reverse Osmosis

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

### 5. Global Pharmaceutical Membrane Filtration Market, By Material, 2020 – 2030, (US\$ Mn)

#### >Overview

- Market Value and Forecast (US\$ Mn), and Share Analysis (%), 2020 – 2030
- Y-o-Y Growth Analysis (%), 2020 – 2030
- Segment Trends

#### >PES

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

#### >PVDF

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

#### >Nylon

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

>PTFE

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

>MCE & CA

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

>PCTE

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

>Other Materials

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

- Polypropylene
- Regenerated Cellulose
- Gelatin
- PVC

## 6. Global Pharmaceutical Membrane Filtration Market, By Application, 2020 – 2030, (US\$ Mn)

>Overview

- Market Value and Forecast (US\$ Mn), and Share Analysis (%), 2020 – 2030
- Y-o-Y Growth Analysis (%), 2020 – 2030
- Segment Trends

>Final Product Processing

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030
- API Filtration
- Sterile Filtration
- Protein Purification
- Vaccine and Antibody Processing
- Formulation and Filling Solutions
- Viral Clearance

>Raw Material Filtration

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030
- Media Buffers
- Prefiltration
- Bioburden Reduction

>Cell Separation

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

>Water Purification

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

#### >Air Purification

- Overview
- Market Size and Forecast (US\$ Mn), and Y-o-Y Growth (%), 2020 – 2030

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Key Market Insights from the report:

The Global Pharmaceutical Membrane Filtration Market accounted for US\$ 5.9 billion in 2020 and is estimated to be US\$ 17.54 billion by 2030 and is anticipated to register a CAGR of 11.5%. The global pharmaceutical membrane filtration market is segmented based on product, technique, material, application, and region.

- By Product, the Global Pharmaceutical Membrane Filtration Market is segmented into filter, system, and accessories.
- By Technique, the Global Pharmaceutical Membrane Filtration Market is segmented into microfiltration, ultrafiltration, nanofiltration, reverse osmosis, and ion exchange.
- By Material, the Global Pharmaceutical Membrane Filtration Market is segmented into PES, PVDF, nylon, PTFE, MCE & CA, PCTE, and other materials.
- By Application, the Global Pharmaceutical Membrane Filtration Market is segmented into final product processing, raw material filtration, cell separation, water purification, and air purification.
- By region, the Global Pharmaceutical Membrane Filtration Market is segmented into North America, Europe, Asia Pacific, Latin America, and Middle East & Africa. The large share of North America can be attributed due to several factors, such as the presence of key biopharmaceutical manufacturing facilities in the region and the significant spending on research and development activities in the U.S.

Competitive Landscape:

- Merck Millipore
- Danaher
- Sartorius Stedim Biotech
- GE Healthcare
- 3M Company
- Thermo Fisher Scientific
- Repligen Corporation
- GEA Group
- Parker Hannifin

- Koch Membrane Systems.

For instance, in 2018, GE Healthcare and the Swedish Government opened an innovation centre—Test Center—in Sweden to support the commercialization of advanced biopharmaceuticals.

The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.

Some Important Points Answered in this Market Report Are Given Below:

- Explains an overview of the product portfolio, including product development, planning, and positioning
- Explains details about key operational strategies with a focus on R&D strategies, corporate structure, localization strategies, production capabilities, and financial performance of various companies.
- Detailed analysis of the market revenue over the forecasted period.
- Examining various outlooks of the market with the help of Porter's five forces analysis, PEST & SWOT Analysis.
- Study on the segments that are anticipated to dominate the market.
- Study on the regional analysis that is expected to register the highest growth over the forecast period

Questions answered by Pharmaceutical Membrane Filtration Market:

1. What are the key drivers, challenges, and opportunities in the pharmaceutical membrane filtration market?

The key drivers of the pharmaceutical membrane filtration market include the increasing demand for biopharmaceuticals, advancements in membrane filtration technologies, and strict regulatory requirements for drug manufacturing. The major challenges in the market include the high cost of membrane filtration equipment, limited access to healthcare in certain regions, and the risk of product contamination. The opportunities in the market include the growing demand for personalized medicine, increasing investments in research and development, and the development of innovative and cost-effective membrane filtration solutions.

2. What are the key strategies adopted by players in the pharmaceutical membrane filtration market to gain a competitive advantage, and how effective are these strategies?

The key strategies adopted by players in the pharmaceutical membrane filtration market to gain

a competitive advantage include mergers and acquisitions, collaborations and partnerships, and new product launches. These strategies are effective in expanding the product portfolio, increasing market share, and improving the overall competitiveness of the companies. Additionally, companies are also investing in research and development activities to develop innovative and advanced membrane filtration solutions, which can provide significant advantages in terms of product performance, efficiency, and regulatory compliance.

3. What are the challenges facing the pharmaceutical membrane filtration market, and how can they be addressed to foster market growth?

The challenges facing the pharmaceutical membrane filtration market include the high cost of equipment, limited access to healthcare in certain regions, and the risk of product contamination. Additionally, there are regulatory challenges associated with compliance with different standards and guidelines. To foster market growth, companies can address these challenges by investing in research and development to develop cost-effective and efficient membrane filtration solutions, expanding their product portfolios to cater to the growing demand for biopharmaceuticals, and partnering with other companies to improve market access and regulatory compliance. Furthermore, companies can invest in innovative technologies to address the challenges of product contamination and meet the increasing demand for personalized medicine. Governments can also play a crucial role in fostering market growth by providing support for healthcare infrastructure and promoting regulatory harmonization across different regions.

Other related Reports:

[Cancer Therapeutics and Biotherapeutics Market](#): By Type (Radiation Therapy, Chemotherapy, Biotherapy, Hormone Therapy and Others), By Top Selling Drugs (Avastin, Rituxan, Revlimid, Velcade, Herceptin, Opdivo, and Others), By Application (Breast Cancer, Lung Cancer, Blood Cancer, Prostate Cancer, Cervical Cancer, Melanoma, Head & Neck Cancer, and Others), By End-Users (Hospital, Consumption, and Others), and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Trends, Analysis and Forecast till 2032

[Local Anesthesia Drugs Market](#): By Drugs Type (Bupivacaine, Lidocaine, Benzocaine, Ropivacaine, Prilocaine, Chloroprocaine, and Other Drug ), By Application ( General Surgeries, Plastic Surgery, Cosmetic Surgeries, Others), Route Of Administration (Inhalation, intravenous, Others), By End User (Hospital, Ambulatory Surgical Centers), and By Region (North America, Europe, Asia Pacific, Latin America, and Middle East & Africa) - Trends, Analysis and Forecast till 2032

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