

Bioprocess Filtration: Global Markets

Market Research Report | 2025-10-31 | 274 pages | BCC Research

AVAILABLE LICENSES:

- Single User License \$4650.00
- 2-5 Users License \$5580.00
- Site License \$6696.00
- Enterprise License \$8035.00

Report description:

Description

Report Scope

The current report analyzes market trends in bioprocess filtration, providing data for 2024, estimates for 2025, projections of compound annual growth rates (CAGR) through 2030 (forecast period 2025 through 2030) and regional markets for bioprocess filtration. Highlights include bioprocess filtration's current and future market potential and an analysis of the competitive environment, including regulatory scenarios, drivers, restraints and opportunities. The report also covers market shares of industry leaders.

The assessment evaluates significant trends, growth opportunities and limitations in the global market that are driven by demand for biologics and cellular- and gene-level treatments-all of which require good manufacturing practice (GMP) solutions for production.

The bioprocess filtration market is segmented by product type, filtering modality, process stage, application, end user and geographic region.

The market is segmented into the following regions: North America, Europe, Asia-Pacific, South America, and the Middle East and Africa. Within each region there is an analysis of major countries, including the U.S., Canada, Mexico, Germany, the U.K., France, Italy, Spain, Japan, China, South Korea, Australia and India. For market estimates, data is provided for base year 2024 with forecasts for 2025 through 2030.

The report addresses the following aspects of the market:

- Types of bioprocess filtrations.
- Global market size and segmentation.
- Constraints and drivers.
- Forecasts through 2030.
- Market shares, competitiveness and industry structure.
- Potential long-term impacts on the bioprocess filtration market.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Report Includes

- 249 data tables and 54 additional tables
- An overview of the current and future global markets for bioprocess filtration
- An analysis of the global market trends with market revenue data from 2022 to 2024, estimates for 2025, and projected CAGRs through 2030
- Estimates of the size and revenue prospects of the global market, along with a market share analysis by product type, filtering modality, process stage, application, end user, and region
- Facts and figures pertaining to the market dynamics, technical advances, regulations and the impact of macroeconomic factors
- Analysis of market opportunities through a review of Porter's Five Forces and value chain analysis, considering both micro and macro environmental factors affecting the market
- Discussion of the importance of ESG in the market, consumer attitudes toward sustainability, risks and opportunity assessment, ratings and matrices, and ESG practices- A relevant patent analysis with emphasis on emerging technologies and new developments in the bioprocess filtration market
- Analysis of the industry structure, including companies' market shares and rankings, strategic alliances, M&A activity and a venture funding outlook
- Company profiles of leading market players, including Danaher Corp., Merck KGaA, Sartorius AG, Solventum Corp., and Repligen Corp.

Executive Summary

Summary:

The global market for bioprocess filtration is estimated to grow from \$8.4 billion in 2025 to reach \$15.6 billion by 2030, at a compound annual growth rate (CAGR) of 13.1% from 2025 through 2030.

The global bioprocess filtration market is growing due to increased demand for biologics, the development of newer and faster pipelines for cell and gene therapies, and the need for stringent sterile processing systems. This encompasses a range of filtration products and bioprocessing technologies used in upstream, midstream and downstream segments, including micro-filtration, ultrafiltration, depth filtration, sterile filtration and virus filtration. All of these filtration processes are essential to the modern biopharmaceutical industry to ensure products are of the highest possible quality and purity and comply with all relevant regulations.

The adoption of single-use technologies, modular filtration skids and continuous processing systems is improving the operational efficiency of bioprocessing. Merck, Sartorius, Danaher and Repligen serve the market with integrated systems, consumables and service models. The market remains competitive, with new product development and strict innovation and regulatory standards that prioritize scalable and contamination-free control in GMP settings.

Table of Contents:

Table of Contents
Chapter 1 Executive Summary
Market Outlook
Scope of Report
Market Summary
Market Dynamics and Growth Factors
Emerging Technologies
Segmental Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Regional Analysis
Conclusion
Chapter 2 Market Overview
Overview
Macroeconomic Factors Analysis
Impact of U.S. Tariffs on Bioprocess Filtration Supply Chains
CDMO Biologics Manufacturing Expansion
Global R&D Expenditure in the Biopharmaceutical Industry
Porter's Five Forces Analysis
Bargaining Power of Buyers
Bargaining Power of Suppliers
Potential for New Entrants
Threat of Substitutes
Competitiveness in the Industry
Chapter 3 Market Dynamics
Market Dynamics
Market Drivers
Growth of Biologics and Biosimilar Pipeline
Expansion of CDMO And CMOs Specializing in Biomanufacturing
Surge in Single-Use Bioprocessing Adoption
Rise in Regulatory Approvals of Biologics and Cell and Gene Therapies
Market Restraints
Membrane Material Supply Chain Constraints
High Cost of Filtration Systems
Market Opportunities
Smart Sensors for Filtration Performance
Digital Twins for Predictive Bioprocess Control
Emerging Markets Driving Decentralized Biomanufacturing
Chapter 4 Regulatory Landscape
Overview
North America
Europe
Asia-Pacific
South America
The Middle East and Africa
Chapter 5 Emerging Technologies and Developments
Overview
Tangential Flow Filtration Systems with Integrated Control Sensors
Smart Filtration Membranes for Viral Clearance Monitoring
Patent Analysis
Key Takeaways for the Bioprocess Filtration Patent Landscape
Chapter 6 Market Segmentation Analysis
Segmentation Breakdown
Global Bioprocess Filtration Market, by Product Type
Key Takeaways
Filtration Systems
Consumables

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Accessories
Global Bioprocess Filtration Market, by Filtration Modality
Key Takeaways
Sterile Filtration
Tangential Flow Filtration
Depth Filtration
Ultrafiltration
Micro-filtration
Virus Filtration
Others
Global Bioprocess Filtration Market, by Process Stage
Key Takeaways
Upstream Filtration
Midstream Filtration
Downstream Filtration
Final Fill Filtration
Water and Buffer Filtration Systems
Global Bioprocess Filtration Market, by Application
Key Takeaways
Monoclonal Antibodies
Vaccines
Recombinant Proteins
Cell and Gene Therapy
Plasma-Derived Products
Others
Global Bioprocess Filtration Market, by End User
Key Takeaways
Biopharmaceutical Companies
Contract Manufacturing Organizations
Academic and Research Institutes
Diagnostic and Analytical Laboratories
Geographic Breakdown
Global Bioprocess Filtration Market, by Region
Key Takeaways
North America
Europe
Asia-Pacific
South America
The Middle East and Africa
Chapter 7 Competitive Intelligence
Key Takeaways
Competitive Landscape
Company Share Analysis
Strategic Analysis
Chapter 8 Sustainability in Bioprocess Filtration Market: An ESG Perspective
Introduction to ESG
Sustainability in the Bioprocess Filtration Market

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

ESG Perspective
Environmental Impact
Social Impact
Governance Impact
ESG Risk Ratings
Conclusion
Chapter 9 Appendix
Methodology
Sources
Abbreviations
Company Profiles
AMAZON FILTERS LTD.
ASAHI KASEI LIFE SCIENCE CORP.
AVANTOR INC.
COBETTER
CYTIVA
ENTEGRIS INC.
MEISSNER FILTRATION PRODUCTS INC.
MERCK KGAA
PARKER-HANNIFIN CORP.
PORVAIR FILTRATION GROUP
REPLIGEN CORP.
SAINT-GOBAIN LIFE SCIENCES
SARTORIUS AG
THERMO FISHER SCIENTIFIC INC.
W. L. GORE & ASSOCIATES INC.
Some Emerging Players in the Bioprocess Filtration Market

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Bioprocess Filtration: Global Markets

Market Research Report | 2025-10-31 | 274 pages | BCC Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4650.00
	2-5 Users License	\$5580.00
	Site License	\$6696.00
	Enterprise License	\$8035.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-16"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

