

# **Filtration Market (Focus on Biologics Manufacturing) - Distribution by Type of Filtration System (Depth Filtration, Tangential Flow Filtration, Virus Filtration and Other Membrane Filters), Type of Filter (based on use) (Disposable / Single use Filters and Reusable / Multi use Filters), Type of Assembly (Capsules, Cartridges and Others), Company Size (Small, Mid-sized and Large) and Key Geographical Regions (North America, Europe, Asia-Pacific and Rest of the World): Industry Trends and Global Forecasts, 2023-2035**

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## **Abstracts**

The global filtration market is expected to reach USD 5.1 billion in 2023 anticipated to grow at a CAGR of 10% during the forecast period 2023-2035.

The healthcare sector has experienced remarkable expansion within the realm of biologics, emerging as one of its most rapidly growing segments. Over the past five years, the Food and Drug Administration (FDA) has approved more than 50 biologics for use, while nearly 10,000 others are progressing through diverse stages of assessment and development. This surge in demand for biologics has emphasized the critical need for advanced technologies dedicated to purifying these drug substances.

The inherent challenge stems from the delicate nature of biologics, which exhibit high sensitivity to heat and traditional chemical purification methods. These conventional treatments pose a risk of compromising the integrity of the final product by inducing

degradation. Consequently, attention has shifted towards biopharmaceutical filtration, a purification and sterilization process that circumvents the use of heat and chemicals.

A significant breakthrough in this domain is the introduction of innovative filtration systems. These encompass depth filtration, tangential flow filtration, virus filtration, and chromatography filtration systems. Their adaptability enables application across a broad spectrum of uses. Major pharmaceutical entities have made substantial investments and advancements to enhance their conventional filtration technologies. The primary objective behind these advancements is to achieve the highest purity and yield of the desired biological product while ensuring its safety and efficacy for applications in human or animal health.

Given the continuous evolution of biologics, numerous companies have formulated and launched proprietary biopharmaceutical filtration systems. These systems are engineered specifically to efficiently purify biologics, catering to the evolving demands of the market. Essentially, the global filtration market stands poised for growth, predominantly driven by the escalating requirement for biologics.

## Report Coverage

An executive summary of the key insights captured in our research. It offers a high-level view on the current state of the biopharmaceutical filtration market and its likely evolution in the short to mid-term and long term.

A general overview of biopharmaceutical filtration, highlighting details on the types of filtration systems and steps for sterile filtration for bioprocessing.

A detailed assessment of the overall market landscape of the companies offering biopharmaceutical filtration systems, based on several relevant parameters, such as year of establishment, company size, location of headquarters, type of filter system / element and application area(s).

A detailed competitiveness analysis of biopharmaceutical filtration system suppliers headquartered in North America, Europe and Asia-Pacific. The analysis compares the filtration system suppliers based on supplier strength and product strength.

Detailed tabulated profiles of key players based in North America, Europe and

Asia-Pacific and are engaged in manufacturing biopharmaceutical filtration systems (shortlisted based on company size and availability of financial information). Each profile includes a brief overview of the company, financial information, overview of product portfolio, recent developments and an informed future outlook.

An in-depth analysis of various recent developments / trends related to biopharmaceutical filtration domain, offering insights on the patents that have been filed / granted for biopharmaceutical filters, since 2019, based on various relevant parameters, such type of patent, publication year, application year, type of applicant, emerging focus areas, geography, CPC symbols, leading players (in terms of number of patents granted / filed), patent benchmarking (in terms of CPC codes and leading players), patent characteristics and patent age. It also includes an insightful patent valuation analysis and list of leading patents by number of citations.

A comprehensive market forecast analysis, highlighting the future potential of the market till 2035. We have segregated the current and upcoming opportunity based on type of filter system / element (depth filters, tangential flow filters, virus filters and other membrane filters), type of technology (disposable / single-use filters and reusable / multi-use filter), type of assembly (capsules, cartridges and others), company size (mid-sized / small and large), and key geographical regions (North America, Europe, Asia-Pacific and Rest of the World).

## Key Market Companies

Asahi Kasei

Cobetter Filtration

Corning

Merck KGaA

Pall Corporation (a company of Danaher Corporation)

Parker Hannifin

Sartorius

Thermo Fisher Scientific

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