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# Global PES Pleated Filter Cartridges Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global PES Pleated Filter Cartridges market size is expected to reach $ 1193 million by 2032, rising at a market growth of 5.2% CAGR during the forecast period (2026-2032).

The Polyethersulfone (PES) pleated filter cartridge is a precision filtration component featuring a hydrophilic PES microporous membrane as its core filtration medium. It utilizes a pleated design to maximize effective filtration area and incorporates support layers, drainage layers, a central core, and end caps. Key characteristics include high flux, low protein adsorption, excellent heat resistance, and strong chemical compatibility.

Upstream components include PES filter membranes, polypropylene support materials, non-woven fabrics, sealing rings, end caps, and injection molding raw materials. Downstream applications primarily span biopharmaceuticals, vaccines, food and beverage, microelectronics, fine chemicals, water treatment, and filtration system integration.

The global market for PES pleated filter cartridges features an average unit price of $160, with annual sales of approximately 5.1 million units and a global production capacity of around 6.5 million units; the industry profit margin stands at 20%.

The global PES pleated filter cartridge market will be driven by expanded biopharmaceutical production capacity, upgrades to aseptic manufacturing processes, and growing demand for high-purity fluid handling. Future product development will focus on achieving higher flux, lower pressure drop, reduced protein adsorption, lower extractables, and superior retention stability to meet the rigorous requirements of high-

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value processes such as monoclonal antibody production, vaccines, and cell and gene therapies. The widespread adoption of single-use bioprocessing systems will spur demand for pre-sterilized, miniaturized, and modular filter cartridges, while pharmaceutical companies will place greater emphasis on filter integrity testing, batch traceability, and regulatory validation. Applications for PES filter cartridges will also expand into the semiconductor, food and beverage, and high-purity water sectors. Manufacturers will enhance filtration efficiency and product consistency through membrane material modification, optimization of pleated structures, and automated production, while localized supply and import substitution will intensify competition within the Asian market.

## Report Scope

This report studies the global PES Pleated Filter Cartridges production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for PES Pleated Filter Cartridges and provides market size (US$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of PES Pleated Filter Cartridges that contribute to its increasing demand across many markets.

## Highlights and key features of the study

Global PES Pleated Filter Cartridges total production and demand, 2021-2032, (K Units)

Global PES Pleated Filter Cartridges total production value, 2021-2032, (USD Million)

Global PES Pleated Filter Cartridges production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global PES Pleated Filter Cartridges consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: PES Pleated Filter Cartridges domestic production, consumption, key domestic manufacturers and share

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Global PES Pleated Filter Cartridges production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global PES Pleated Filter Cartridges production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global PES Pleated Filter Cartridges production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global PES Pleated Filter Cartridges market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Pall, Merck, Sartorius, Solventum (Thermo Fisher Scientific), Parker Hannifin, Donaldson, Eaton, Meissner, Entegris, Graver Technologles, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World PES Pleated Filter Cartridges market

## Detailed Segmentation:

Each section contains quantitative market data including market by value (US$ Millions), volume (production, consumption) & (K Units) and average price (US$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### Global PES Pleated Filter Cartridges Market, By Region:

United States

China

Europe

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Japan

South Korea

ASEAN

India

Rest of World

## Global PES Pleated Filter Cartridges Market, Segmentation by Type:

Monolayer

Double Layer Membrane

## Global PES Pleated Filter Cartridges Market, Segmentation by Operating Mode:

Reusable PES Filter Cartridge

Single-Use PES Filter Cartridge

## Global PES Pleated Filter Cartridges Market, Segmentation by Structural Material:

Polypropylene-Supported PES Filter Cartridge

Polyester-Supported PES Filter Cartridge

Stainless-Steel-Supported PES Filter Cartridge

All-Polypropylene PES Filter Cartridge

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## Global PES Pleated Filter Cartridges Market, Segmentation by Application:

Biopharmaceuticals

Food & Beverages

Electronics

Fine Chemicals

Water Treatment

Others

## Companies Profiled:

Pall

Merck

Sartorius

Solventum (Thermo Fisher Scientific)

Parker Hannifin

Donaldson

Eaton

Meissner

Entegris

Graver Technologles

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Porvair Filtration Group

Amazon Filters

GVS

Cobetter

Hangzhou Darlly Filtration Equipment

Membrane Solutions

## Key Questions Answered:

1. How big is the global PES Pleated Filter Cartridges market?
2. What is the demand of the global PES Pleated Filter Cartridges market?
3. What is the year over year growth of the global PES Pleated Filter Cartridges market?
4. What is the production and production value of the global PES Pleated Filter Cartridges market?
5. Who are the key producers in the global PES Pleated Filter Cartridges market?
6. What are the growth factors driving the market demand?

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