



Liquid Filtration Solutions For The Pulp And Paper Industry

The global pulp and paper market size is projected to reach USD 368.10 billion by 2027. Global Filter products are widely used in the pulp and paper industry as they help attain the specific needs of various applications while providing extended service.

Global Filter's Filtration Solutions

Since the company's inception, Global Filter has been a leading supplier of liquid filtration solutions for pulp and paper mills. Reliable, quality products coupled with a customer-centered focus are reasons why Global Filter is trusted by each of their customers. Global Filter's filtration solutions help improve process reliability, product quality and reduce operating costs.

Target Applications in Paper Making Process

- Point-of-use Condensate Recovery Water
- Chemicals (paper additives and bleaching solutions)
- Boiler Feed and Potable Water (incoming water, spray nozzles, knives, eye wash stations)
- Hydraulic and Lubrication



GATB-Series polypropylene meltblown

Traditionally, bag filters, string wound and/or meltblown filters have been targeted for these applications within the pulp and paper making process, but with advancements in filtration technologies in the past 10-15 years that provide improved contamination removal, more opportunities to implement advanced meltblown and pleated solutions have surfaced.

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Typical Pulp and Paper Process

Most pulp and paper processes involve five components or production areas :

(1) Wood Yard, (2) Pulp Mill, (3) Stock Preparation, (4) Paper Machine and (5) Steam Generation and Chemical Recovery. The following depicts a standard flow for pulp and paper processing and a description of the filters used in each area of production.



Process Fluid (Water and Lubrication Oils) Filter Solutions

- Meltblown Filters – varying grades, both nominal and absolute rated, can be used to meet demands of many types of process fluids ([GWTB-, GCTB-, GATB-series](#)).
- Pleated Depth – polypropylene, microglass and polyester options to a variety of demanding process conditions ([PP-, PPE-, FG-, FGE-, PEE-, GF-series](#)).
- Polysulfone and Polyethersulfone pleated membrane products – used for process water recovery, water polishing, and chemical filtration prior to product mixing ([GHPS- and PES-series](#)).

Condensate Recovery Water Filter Solutions

Filter products available that can operate at elevated temperatures, pressure and demanding conditions ([GSS-series stainless steel filters](#)).

Boiler Feed & Potable Water Filter Solutions

Meltblown depth, pleated depth and pleated membrane solutions for water treatment systems to help reduce and remove minerals, pathogens and a variety of harmful contaminants ([GWTB-, GCTB-, GATB-, PP-, PPE-, FG-, FGE-, PEE and GHPS- and PES-series](#)).

Hydraulic and Lubrication Oil Filter Solutions

Resin-bonded depth and pleated depth products can be used to purify lubrication oils and protect lubrication systems and while withstanding intense process conditions ([PP-, PPE-, FG-, FGE-, PEE-, GRU-V-series](#)).

From top to bottom : GHPS-Series, PP-Series and GSS-Series



Industry Best Net Value

Global Filter designs innovative and efficient filtration solutions. Our high-quality filters combined with our technical expertise allow us to offer you solutions that take the guess work out of your process. Our solutions optimize the service life of filters, reducing waste to positively impact the environment, while increasing your productivity. Consistent, cost-effective and high-quality filters allow you to achieve a consistent, high-quality product while adding to your bottom line.

Our Filtration Solutions Are:



Our products meet US and EU standards for purity and safe use with food and beverages



We develop products that improve the quality of life for humans and animals



Our solutions allow you to produce more product at a lower cost, improving your bottom line

Assurance of Product Purity & Performance

Pleated cartridges are manufactured in a cleanroom environment and are extensively flushed with 18 megaohm ultra-high purity water. This ensures cleanliness, low extractables, and quick rinse-up for service use. Tolerant of repeated hot water sanitization and in-situ steam sterilization cycles for maximum service life. Each element is integrity tested to Global Filter's standards of quality to assure consistent and optimal performance.

Why Partner With Global Filter?

Global Filter is a leading producer of high purity filtration products for food & beverage, high purity water & chemicals, consumer products, pharmaceutical/bio-tech, and general industrial applications. We pride ourselves in our focus on the customer while striving to deliver superior value in all industries. Our solutions improve product quality and safety while optimizing processes, protecting equipment, and reducing total operating costs.

Advantages To Working With Us:

- Access to an extensive network of filtration professionals from all over the world who have experience with thousands of unique processes and applications.
- Manufacturing facilities in North America, Europe and Japan.
- Products designed to maximize your productivity, product quality and bottom line.
- Ability to quickly adjust to your changing needs.
- Technical support from initial conversations to implementation and beyond.
- Shortest lead times and highest value in the industry.

