



# Cleaning and Sanitizing Agents

Production of cleaning and sanitizing agents, such as alcohols, bleach, hydrogen peroxide and even vinegar, adds a level of complexity to filtration not present in most other applications. Global Filter has the knowledge, experience and product portfolio to handle these increased demands.

Many common high-purity chemicals are produced as a result of reactions that take place between other chemicals or solutions. These reactions may take place on their own, may require heat or agitation, and in some cases, require the addition of a catalyst to start or speed up the reaction. Along with producing the desired chemical, these processes can create by-products such as gases, salts and other precipitates that must be removed prior to packaging or transportation. Some chemicals themselves may even cause damage to filtration equipment if their makeup and how they react with other materials is not carefully considered.

Global Filter offers a wide variety of filtration options to meet the unique needs of any chemical filtration process.

## Our Cartridge Material Offerings

### Polypropylene

- A common, versatile and economical depth filter media with very broad chemical compatibility, polypropylene provides absolute filtration from over 50 to under 1 micron for all stages of chemical processing.

### Polyester

- Similar to polypropylene in flow, retention and compatibility characteristics, polyester offers the ability to perform in an elevated temperature range, as well as being a great option for petrochemical applications.

### Polysulfone

- The highly asymmetric membrane geometry offered by polysulfone allows it to handle very high flow rates with minimal flow restriction. It is compatible for use with many common chemicals such as alcohols, as well as more aggressive products at lower concentrations and temperatures.

### Polyethersulfone

- One of the most versatile membrane medias, polyethersulfone is offered in a variety of grades to achieve a broad range of cleanliness specs. Similar in compatibility to polypropylene or polysulfone, it offers a broad range of compatibility, outside of elevated temperatures and highly aggressive chemicals.

### Nylon 6,6

- A tried-and-true membrane material that offers great compatibility with a variety of chemicals, Nylon 6,6 also offers the ability to carry a positive charge that allows the membrane to capture particulate significantly smaller than its stated rating.

### Polytetrafluoroethylene (PTFE)

- One of the most chemically inert filtration medias available on the market today, PTFE offers sub-micronic membrane filtration that can handle extended contact time at high temperature and with the most aggressive chemicals.



# 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:



### Safer

Our products meet common certifications for pharmaceutical and food & beverage contact.



### Healthier

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



### More Productive

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



## 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 and Europe
- 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

