

# GLOBAL FILTER PLEATED DEPTH CARTRIDGES

Global Filter **pleated depth cartridges** meet the requirements for the broadest range of applications and industries. Our pleated cartridges provide high efficiency particulate removal over a wide range of micron ratings. Our cartridges are manufactured under US Code of Federal Regulations, 21CFR and EU Directives 2002/72/EC, 1935/2004, and/or 10/2011.



PP-Series

## PP-SERIES

PP-Series Pleated Polypropylene cartridges are designed for use in most applications where high efficiency particulate filtration is required. Manufactured using 100% polypropylene materials and assembled using the latest thermal bonding equipment, the PP-Series is a versatile, exceptionally clean and chemically inert filter for use in all industries. This series is available in both absolute and nominal retention efficiencies and ratings from 0.2 to 50.0 micron, they have the highest chemical compatibility of the pleated range.



PPE-Series

## PPE-SERIES

PPE-Series Economy Pleated Polypropylene cartridges are a cost-effective option for applications requiring high efficiency filtration and 100% polypropylene materials of construction. The 2.5" OD makes the PPE cartridge a great option for batch applications, for use in filter housings that don't allow for the standard 2.7 inch cartridge diameter or for applications with fewer particulate retention needs. This series is available in both absolute and nominal retention efficiencies and ratings from 0.2 to 50.0 micron. The PPE series has the same chemical compatibility as the PP-series but with a lower loading capacity.



FG-Series

## FG-SERIES

FG-Series Pleated Microglass cartridges are constructed with absolute rated, FDA-approved borosilicate microglass media that offers a high holding capacity, high efficiency and excellent flow rates. Using a combination of glass-reinforced polypropylene and polypropylene and polyester hardware and support materials, these cartridges are suitable for many applications across all industries. The FG-Series is available in both absolute and nominal retention efficiencies and ratings from 0.2 to 50.0 micron. This series as a lower pressure drop, longer lifetime, and higher temperature tolerance compared to the PP-Series with some chemical compatibility limitations.



FGE-Series

## FGE-SERIES

FGE-Series Economy Pleated Microglass cartridges offer a highly efficient and cost-effective filtration option for use in a wide variety of applications. These cartridges are constructed of FDA microglass media with polyester and glass reinforced polypropylene support. Their 2.5" OD makes them a great option for batch applications, for use in filter housings that don't allow for use of a 2.7 inch cartridge, or for applications with fewer particulate retention needs in comparison to FG applications. The FGE-Series is available in both absolute and nominal retention efficiencies and ratings from 0.2 to 50.0 micron. The FGE-Series has the same advantages as the FG-Series but with lower loading capacity.



GHLS-Series

## GHLS-SERIES

GHLS-Series High-Loft Pleated Polypropylene filter cartridges provide a 100% polypropylene element designed for removal of agglomerated and deformable contaminants in oils and gels. With its added loft, the GHLS is an ideal combination of both depth and pleated depth functionality. This allows for high retention and holding capacity without inhibiting throughput. This cartridge is available in both absolute rated (up to 99.98% retention) and nominally rated (90% retention) grades in common adapter.

# GLOBAL FILTER PLEATED MEMBRANE CARTRIDGES

Global Filter **pleated membrane cartridges** offer high surface area and high efficiency with several different medias to accommodate a wide range of high purity applications. Our cartridges are, as standard, manufactured under US Code of Federal Regulations, 21CFR and EU Directives 2002/72/EC, 1935/2004, and/or 10/2011, as well as FDA approved.



**Polysulfone  
Membrane Cartridge**

## Polysulfone

High purity polysulfone membrane filter media offers an exceptional flow rate and high loading capacity by virtue of its highly asymmetrical pore structure. It is a preferred choice in applications requiring the efficiency of a membrane, but where a longer service life and minimal initial pressure drop is important. Available as either a hydrophilic or hydrophobic material, this membrane is a great option for both liquid and air filtration applications. It's the preferred option if 100% integrity test is not required.



**Polyethersulfone  
Membrane Cartridge**

## Polyethersulfone

High purity polyethersulfone membrane filter media is a cost-effective membrane material that wets easily for use in aqueous filtration applications. This media offers high flow rates, low protein binding and the ability to be integrity tested for use in critical applications. With multiple grades featuring various levels of testing and certification, our PES line is one of our most versatile membrane products. Its robust, thermally-bonded polypropylene construction allows it to tolerate the most demanding applications, including those where in-situ hot water sanitization or steam sterilization is required.



**Nylon 6,6  
Membrane Cartridge**

## Nylon 6,6 & Nylon 6,6 Plus+

Global Filter's high purity Nylon and Nylon Plus+ membrane cartridges provide excellent particulate retention and cleanliness for use in a variety of liquid filtration applications. The membrane offers both the ability to be integrity tested and is available with charged (Plus+) option, which allows the membrane to capture particulate, including bacteria and endotoxins, well below the stated micron rating. This cartridge is constructed using the latest in thermal bonding equipment, and available in several grades and configurations. The Nylon 6,6 membrane cartridges have a broader chemical compatibility than the PES line when it comes to critical solvents. The Nylon 6,6 Plus+ enables to filter colloidal liquids with a higher efficiency than with the PES line.



**PTFE  
Membrane Cartridge**

## PTFE

The High Purity PTFE membrane filter provides superior chemical resistance for use in a broad range of industrial applications. With retention ratings as fine as 0.01 micron (10 nanometers), consistent contaminant removal is achieved in aggressive fluids and organic solvents. It also offers outstanding hydrophobicity, which makes it a great option for preclusion of moisture and other contaminants in air, gas and vent applications. This cartridge is constructed using the latest in thermal bonding equipment, and available in several grades and configurations.

# GLOBAL FILTER SOLUTIONS

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 processes. Our solutions optimize filter service life, reducing waste and positively impacting the environment, while increasing your productivity. Consistent quality and cost effective filter solutions allow you to optimize your process while positively impacting your bottom line.

## Our Filtration Solutions Are:



### Safer

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



### 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 Global Filter:

- 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
- Built to grow with you and help navigate the challenges and changing landscapes of your industry
- Technical support from initial conversations to implementation and beyond
- Shortest lead times and industry-leading value

Global Filter also offers a [complete line of cartridge and bag filter housings](#) - in stock and ready to ship!

## Order Your Cartridges Today!

Simply call customer service or visit our website

[Pleated Depth Cartridges](#)

[Pleated Membrane Cartridges](#)