High Purity - General Grade PTFE
Hydrophobic PTFE Membrane for Liquid and Air Applications

General Grade PTFE Cartridges are designed for multi-purpose use wherever a cost effective PTFE membrane cartridge is required. GGPTFE series cartridges are hydrophobic and resist wetting in critical air/vent applications. Priced well below special purpose PTFE membrane cartridges, General Grade PTFE cartridges are still manufactured with the same careful attention to quality and performance. The Extended Area option (GGPTFEX) offers up to 40% more surface area. This additional area results in significant increases in flowrate and loading capacity in the same footprint.

Flow Rate vs Pressure Drop

Construction Materials
Membrane..............................................Teflon®
Support Media......................................Polypropylene
End Caps.............................................Polypropylene
Center Core.........................................Polypropylene
Outer Support Cage...............................Polypropylene
O-Rings/Gaskets.......................Buna, EPDM, Silicone, Viton®, Teflon®, Encapsulated Viton®

Sanitization/Sterilization
Filtered Hot Water......................80°C for 30 min.
Steam Sterilization............121°C for 30 min., multiple cycles

Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents.
Note: Stainless steel insert option needed for all cartridges being hot water sanitized or steam sterilized.

Toxicity
All polypropylene components meet the specifications for biological safety per USP Class VI – 121°C for plastics.

Dimensions
Length: 10 to 40 inches (25.4 to 101.6 cm) nominal
Outside Diameter: 2.70 inches (7.0 cm) nominal

Maximum Recommended Operating Conditions
Temperature.................................176°F (80°C)

Maximum Differential Pressures
Forward..................................50 PSI (3.4 bar) at 20°C
Reverse..................................40 PSI (2.7 bar) at 20°C

Food Safety Compliance
Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 2002/72/EC, 1935/2004, and/or 10/2011.

Ordering Information

<table>
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<tr>
<th>GGPTFEX</th>
<th>Rating (µ)</th>
<th>A</th>
<th>Length</th>
<th>C</th>
<th>End Cap Style</th>
<th>O-Rings/Gaskets</th>
<th>-</th>
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<td>0.1</td>
<td>0.2</td>
<td>0.45</td>
<td>10&quot; (25.4 cm)</td>
<td>240</td>
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<td>= EPDM</td>
<td>CS</td>
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DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.