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 materials and are assembled using the latest thermal-bonding equipment. Cartridges are offered in DOE and 222 end configurations as well as in both nominal (90%) and absolute (to 99.98%) retention efficiencies.

**Flow Rate vs Pressure Drop**

![Flow Rate vs Pressure Drop Graph]

*All data is based on absolute rated medias. Nominally rated medias will result in a pressure drop reduction of approximately 10%.

**Typical Applications**
- Food & Beverage
- Deionized Water
- Process Water
- Solvents
- Fine Chemicals
- Plating Chemicals
- R.O. Membrane pre-filtration
- Wastewater
- Produced Water
- Cosmetics
- Hydrocarbons
- Synthetic Lubricants

**Construction Materials**
- Filtration Media: FDA Borosilicate Microglass with an acrylic binder
- Support Media: Spun-bonded Polyester
- End Caps: Polyster
- Center Core: Glass-filled Polypropylene
- Outer Support Netting: Polyester
- O-Rings/Gaskets: Buna, EPDM, Silicone, Viton®, Teflon® Encapsulated Viton®

**Dimensions**
- **Length:** 10 to 40 inches (25.4 to 101.6 cm) nominal
- **Outside Diameter:** 2.50 inches (6.35 cm) nominal

**Maximum Recommended Operating Conditions**
- **Change Out:** ΔP 35 PSI
- **Temperature:** 200°F (93°C)
- **Note:** Optional high temperature construction available featuring stainless steel core (235°F).

**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>
<thead>
<tr>
<th>FGE</th>
<th>Rating (µ)</th>
<th>Retention</th>
<th>Length</th>
<th>N</th>
<th>End Cap Style</th>
<th>O-Rings/Gaskets</th>
<th>Adders</th>
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<tbody>
<tr>
<td>0.2</td>
<td>A = Absolute</td>
<td>10&quot; (25.4 cm)</td>
<td>2</td>
<td>DOE Flat Gasket</td>
<td>B = Buna</td>
<td>SS = Stainless Steel Core</td>
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<tr>
<td>0.45</td>
<td>N = Nominal</td>
<td>20&quot; (50.8 cm)</td>
<td>3</td>
<td>222 w/ Fin</td>
<td>E = EPDM</td>
<td>CS = 316ss Compression Spring</td>
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<tr>
<td>1.0</td>
<td>30&quot; (76.2 cm)</td>
<td>4</td>
<td>222 w/ Flat Cap</td>
<td>S = Silicone</td>
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<tr>
<td>2.0</td>
<td>40&quot; (101.6 cm)</td>
<td>5</td>
<td>222 w/ Spring</td>
<td>V = Viton®</td>
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<tr>
<td>5.0</td>
<td>T = Teflon® Encapsulated Viton®</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.