UltraPore UGP filter cartridges are absolute rated, pleated polypropylene depth filters, they are equally suitable for use as membrane pre-filters or final polishing filters in applications that do not require membrane filtration.

UltraPore UGP filter cartridges are absolute rated, tested to Beta 5000 using the industry standard OSU-F2 test procedure with AC Fine or Coarse test dust as appropriate.

Manufactured from 100% polypropylene filter media and hardware, UltraPore UGP filter cartridges have excellent chemical compatibility. Thermal bonded construction eliminates the requirement for adhesives, maintaining product integrity in demanding applications and minimising the level of extractables in the filtrate.

UltraPore UGP filter cartridges are available in a wide range of length and end-cap configurations to retrofit most industry standard applications.

UltraPore UGP Features & Benefits

- Absolute micron ratings ensure consistent, repeatable performance.
- Large surface area ensures low initial pressure drops and high dirt holding capacity, for extended service life.
- 100% Polypropylene construction and thermal bonding mean wide chemical compatibility and minimum levels of extractables.
- Modular construction, cartridges can be quickly assembled to any length and end cap configuration greatly reducing lead times.
Filtertec Systems Limited

Technical Data

Dimensions
Outside Diameter: 69mm
Inside Diameter: up to 32mm
Lengths: 5” to 70”

Sanitisation
Hot Water Sanitisation: 90°C for 30 minutes repeatedly

Operating Conditions
Recommended Maximum ΔP
Forward Flow 4 bar @ 20°C
2.8 bar @ 65°C
1 bar @ 80°C
Reverse Flow 3 bar @ 20°C

Materials of Construction
Filter Medium: Polypropylene
Drainage layers: Polypropylene
Inner Core: Polypropylene
Outer Core: Polypropylene
End Caps: Polypropylene
Gaskets & O-rings: Various, see below

Part Numbers

<table>
<thead>
<tr>
<th>Code</th>
<th>Micron rating</th>
<th>Length</th>
<th>End cap 1</th>
<th>End cap 2</th>
<th>Gasket</th>
</tr>
</thead>
<tbody>
<tr>
<td>UGP</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>020</td>
<td>0.2 micron</td>
<td>4 7/8</td>
<td>A = Open</td>
<td>A = Open</td>
<td>E = EPDM</td>
</tr>
<tr>
<td>045</td>
<td>0.45 micron</td>
<td>9.7/8</td>
<td>C = 213 (internal)</td>
<td>G = Closed</td>
<td>N = Nitrile</td>
</tr>
<tr>
<td>01</td>
<td>1 micron</td>
<td>10</td>
<td>E = 222</td>
<td>H = Fin</td>
<td>S = Silicone</td>
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<tr>
<td>05</td>
<td>5 micron</td>
<td>20</td>
<td>F = 226</td>
<td>T = FEP</td>
<td>V = Viton</td>
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<tr>
<td>10</td>
<td>10 micron</td>
<td>30</td>
<td>X = 223</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>25 micron</td>
<td>40</td>
<td>Z = 224 (ZH = Amazon A style)</td>
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</tr>
<tr>
<td>50</td>
<td>50 micron</td>
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<td></td>
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</tbody>
</table>

Example: UGP01-40-FHS = UltraPore Absolute Polypropylene pleated filter cartridge, 1 micron rating, 40” long, 226/fin endcaps (Code 7) with silicone o-rings.