The amafilter – LFC Lochem amaPure HS cartridge is an all polypropylene depth cartridge. The unique, one-step meltblown process is used to create a graded density which improves flow characteristics and increases dirt holding capacity when compared to other polypropylene cartridges. Thermal bonding eliminates the need of a separate centre core, providing both high collapse strength and enabling easy disposal through incineration.

Features

- Gradient pore structure
- All polypropylene material
- Rigid structure
- No fibre migration
- Nominal rated from 1 to 100 micron
- Low pressure drops
- High solid loading capability
- FDA listed material
- Excellent chemical compatibility

Cartridge filter housing

Filtration Group supplies a wide range of cartridge filter housings in different materials, dimensions and models to meet your demands.

For detailed information about cartridge filter housings, please see the respective data sheets or visit www.ama-lfc.com

Typical applications
- Food
- Beverages
- Fine chemicals
- Pre-filtration for Reverse Osmosis filter
- Potable water
- Process water
- General water treatment

Standard Specification
- Filter medium: polypropylene
- Hardware: polypropylene
- Centre core: internally extruded centre core
- End cap seal: thermally bonded
- Gaskets/O-rings: silicone, EPDM, Viton® or Buna-N
- External diameter: 63 mm
- Internal diameter: 28 mm
- Length: see ordering information
- Filtration area: 0.05 m²/10” cartridge
- Maximum recommended change-out differential pressure: 2.4 bar
- Maximum operating temperature: 60 °C

Food safety
The filter cartridges comply with the requirements of the ‘Food and Drug Administration (FDA)’ title 21 of the “Code of Federal Regulations” 177.1520.

Bio safety
The components of the filter cartridges (excl. O-rings and gaskets) pass the USP Biological Reactivity and Chemical-Physical tests for CLASS VI plastics.

Extractable substances
The cartridges are free of surfactants, lubricants, anti static agents, binders and adhesives.
### Ordering Information

#### Example

<table>
<thead>
<tr>
<th>1 Type</th>
<th>2 Micron rating [µm]</th>
<th>3 Cartridge (nominal) length [inch]</th>
<th>4 Cartridge style</th>
<th>5 O-ring/ gasket material</th>
</tr>
</thead>
<tbody>
<tr>
<td>HS</td>
<td>HS</td>
<td>9.75, 10, 19.50, 20, 29.25, 30, 39, 40</td>
<td>X0, X3, X4, X7, X8, X9</td>
<td>S, E, V, N</td>
</tr>
<tr>
<td>polypropylene</td>
<td>001, 003, 005, 010, 020, 030, 050, 075, 100</td>
<td>248, 254, 495, 508, 743, 762, 991, 1016</td>
<td>DOE, SOE with external 222 O-rings, DOE with flat gaskets, SOE with fin end and external 226 O-rings, SOE with fin end and external 222 O-rings, DOE with polyethylene soft gaskets</td>
<td>Silicone, EPDM, Viton®, Buna-N</td>
</tr>
</tbody>
</table>

*Other lengths can be available on request*