Filter cartridge
amaGuard GP

amafilter – LFC Lochem (Filtration Group Process Systems) amaGuard GP is a glass fibre pleated filter cartridge use high quality microfibre glass filter media creating a high performance filter cartridge. The unique design and filter media ensures a high flow, low pressure drops and high dirt load capacity. The amaGuard GP filter cartridge can be used for liquid as well as for gas applications.

Features
- High capacities at low pressure drops
- Rated at 99.9% efficiency
- Hard cage or colour coded polypropylene netting available for easy micron rating identification
- Broad chemical compatibility
- Stainless steel hardware available for the use at higher temperatures

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 bag filter housings, please see the respective data sheets or visit www.ama-lfc.com

Typical applications
- Fine chemicals
- Process water systems
- Food
- Beverages

Standard specification
- Filter media: microfibre glass
- Support medium: polyester
- Center core: polypropylene or stainless steel 304
- Configuration: hard outer cage polypropylene or polypropylene netting
- External diameter: 67 mm
- Micron rating [µm]: 0.45, 1, 3, 5, 10, 30 or 50
- Cartridge length: 10”, 20”, 30” and 40 inch
- End-caps: polypropylene or stainless steel 304
- End-cap sealing: epoxy bonded
- Gaskets/ O-ring material: EPDM, silicone, Buna-N, FPM or PTFE encapsulated silicone
- Filtration area: 0.4 m²/10” cartridge
- Max. operating differential pressure operating: 2.5 bar
- Max. operating temperature
  - 65 °C (polypropylene core)
  - 80 °C (stainless steel core with polypropylene end-caps)
  - 100 °C (stainless steel core with stainless steel end caps)

Customer support
Filtration Group can support you regarding the chemical compatibility of the filter media and give advice to select appropriate product.

www.ama-lfc.com
### Colour code PP-netting (only for code *UN and *A#)

<table>
<thead>
<tr>
<th>Colour</th>
<th>Micron</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>0.45</td>
</tr>
<tr>
<td>Yellow</td>
<td>1</td>
</tr>
<tr>
<td>White</td>
<td>3</td>
</tr>
<tr>
<td>Blue</td>
<td>5</td>
</tr>
<tr>
<td>Red</td>
<td>10</td>
</tr>
<tr>
<td>Purple</td>
<td>30</td>
</tr>
<tr>
<td>Orange</td>
<td>50</td>
</tr>
</tbody>
</table>

### Ordering information

#### Example

1 Cartridge type = amaGuard GP
2 Micron rating [µm] = 0.45, 1, 3, 5, 10, 30, 50
3 Nominal length [inch]
   - 10 = 250 mm
   - 20 = 500 mm
   - 30 = 750 mm
   - 40 = 1000 mm
4 Hardware material
   - U = polypropylene (core PP, end-caps PP, outer cage hard PP)
   - UN = polypropylene (core PP, end-caps PP, outer cage PP netting)
   - A = stainless steel 304 (core 304, end-caps PP, outer cage hard PP)
   - AAN = stainless steel 304 (core 304, end-caps 304 with cage hard PP, PP netting) (only for X4)
5 Cartridge style
   - X3 = SOE with external 222 O-rings
   - X4 = DOE with flat gaskets
   - X7 = SOE with fin end, bayonet and external 226 O-rings
   - X8 = SOE with fin end and external 222 O-rings
6 O-Ring/ gasket material
   - S = silicone
   - V = FPM (Viton®)
   - E = EPDM
   - N = NBR
   - T = PTFE encapsulated silicone
7 Packaging
   - 1PK = single packed in PE sleeve (standard)
   - 1PKC = single packed in PE sleeve (standard) and box