amaGuard – LFC Lochem (Filtration Group Process Systems) amaGuard EP absolute rated pleated polypropylene filter cartridges are the result of years of experience in manufacturing filter cartridges. Due to state of the art technology manufacturing of the filter cartridges, the amaGuard EP offers a highly effective surface filtration at a competitive price.

Features

- High quality non-woven meltblown polypropylene filter material
- Wide chemical compatibility
- > 99.9% efficiency from 1 to 80 micron
- Filter cartridge length available from 10 to 40 inch

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 application

- Water treatment
- Pre-filtration R.O.
- Sea water desalination
- Chemicals
- Food and Beverage

Standard Specification

- Filter medium: polypropylene
- Support medium: polypropylene
- Hardware: polypropylene
- External diameter: 67 mm
- Micron rating [µm]: 1, 3, 5, 10, 20, 30, 50 and 80
- Length: 10”, 20”, 30” and 40 inch
- End-cap sealing: thermally bonded
- Gaskets/O-rings: EPDM, silicone, FPM (with food grade) and Buna-N (non-food grade)
- Filtration area: 0.55 m²/10” cartridge
- Maximum recommended differential pressure: 2 bar
- Maximum operating temperature:
  - 65 °C (with polypropylene core)
  - 80 °C (with stainless steel core)
- Hot water sanitisation with max. 80 °C
- On-request: FDA compliance

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
Ordering information

Example: EP01-20U-X3S-1PK

1 Cartridge type = amaGuard EP

2 Micron rating [µm] = 1, 3, 5, 10, 20, 30, 50, 80

3 Nominal length [inch]

<table>
<thead>
<tr>
<th>Length</th>
<th>10</th>
<th>20</th>
<th>30</th>
<th>40</th>
</tr>
</thead>
<tbody>
<tr>
<td>mm</td>
<td>250</td>
<td>500</td>
<td>750</td>
<td>1000</td>
</tr>
</tbody>
</table>

4 Hardware material
- U = polypropylene (core PP, end-caps PP, outer cage hard PP)
- A = stainless steel 304 (core 304, end-caps PP, outer cage hard PP)

5 Cartridge style
- X3 = SOE with external 222 O-rings-only with polypropylene end caps
- X4 = DOE with flat gaskets
- X6 = SOE with flat end, bayonet and external 226 O-rings
- X7 = SOE with fin end, bayonet and external 226 O-rings-only with polypropylene end caps
- X8 = SOE with fin end and external 222 O-rings-only with polypropylene end caps

6 O-Ring/gasket material
- S = silicone
- V = FPM
- E = EPDM
- N = NBR
- T = PTFE encapsulated silicone

7 Packaging
- 1PK = single packed in PE-sleeve (standard)
- 1PKC = single packed in PE-sleeve and box