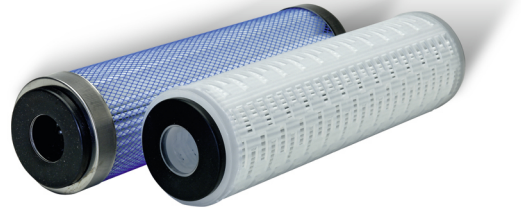


## Filter cartridge amaGuard GP

### 1. Introduction

The amaGuard GP 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.



## 2. 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

## 4. Product/Performance specifications

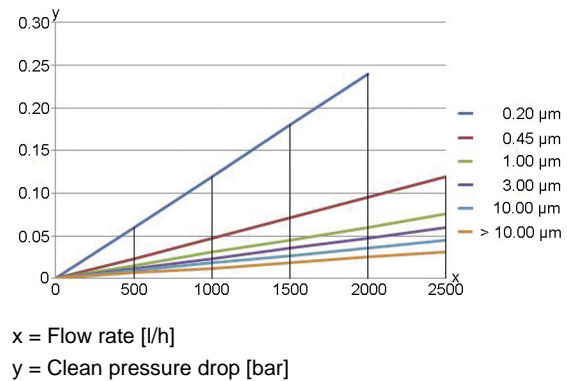
|   |  |
|---|--|
| Filter medium                             | : microfibre glass<br>polyester for 50 micron  |
| Support medium                            | : polyester  |
| Centre core                               | : polypropylene or stainless steel 304   |
| End caps                                  | : polypropylene or stainless steel 304 (X4 only)   |
| Outer cage                                | : hard polypropylene or polypropylene netting  |
| End cap seal                              | : thermally bonded (stainless steel end caps are epoxy bonded)   |
| Gaskets/O-rings                           | : EPDM, silicone, Buna-N, Viton®, PTFE encapsulated silicone   |
| Dimensions                                |  |
| External diameter                         | : 67 mm  |
| Length                                    | : see ordering information   |
| Filtration area                           | : 0.4 m <sup>2</sup> /10" cartridge  |
| Maximum recommended differential pressure |  |
| Design                                    | : 5.2 bar at 20 °C/2.8 bar at 65 °C<br>2.0 bar at 80 °C  |
| Operating                                 | : 2.5 bar  |
| Max operating temp.                       | : 65 °C (polypropylene core)<br>80 °C (stainless steel core with PP end caps)<br>120 °C (stainless steel core with stainless steel end caps) |
| Box quantity                              | : 20 cartridges/box  |

## 3. Sterilisation and colour coding

Colour coding for PP netting (code UN and AAN)

|        |               |        |             |
|--------|---------------|--------|-------------|
| Green  | : 0.45 micron | Red    | : 10 micron |
| Yellow | : 1 micron    | Purple | : 30 micron |
| White  | : 2 micron    | Orange | : 50 micron |
| Blue   | : 5 micron    |        |             |

## 5. Water flow rate for 10" cartridge



## 6. Ordering code

| Ordering code  |     |    |    |    |    |                      |
|--|-----|----|----|----|----|----------------------|
| Type   |     |    |    |    |    |                      |
| amaGuard GP  |     |    |    |    |    |                      |
| <b>Micron rating</b>   |     |    |    |    |    |                      |
| 0.45   |     |    |    |    |    |                      |
| 1  |     |    |    |    |    |                      |
| 2  |     |    |    |    |    |                      |
| 5  |     |    |    |    |    |                      |
| 10   |     |    |    |    |    |                      |
| 30   |     |    |    |    |    |                      |
| 50   |     |    |    |    |    |                      |
| <b>Nominal length [inch]</b>   |     |    |    |    |    |                      |
| 10 (250 mm)  |     |    |    |    |    |                      |
| 20 (500 mm)  |     |    |    |    |    |                      |
| 30 (750 mm)  |     |    |    |    |    |                      |
| 40 (1000 mm)   |     |    |    |    |    |                      |
| <b>Hardware material</b>   |     |    |    |    |    |                      |
| 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, outer cage PP netting, epoxy bonding) X4 only |     |    |    |    |    |                      |
| <b>Cartridge style</b>   |     |    |    |    |    |                      |
| X3 SOE with external 222 O-rings - only with polypropylene end caps                            |     |    |    |    |    |                      |
| X4 DOE with flat gaskets   |     |    |    |    |    |                      |
| 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                |     |    |    |    |    |                      |
| <b>O-Ring material</b>   |     |    |    |    |    |                      |
| S Silicone   |     |    |    |    |    |                      |
| V Viton®   |     |    |    |    |    |                      |
| N Buna-N   |     |    |    |    |    |                      |
| E EPDM   |     |    |    |    |    |                      |
| T PTFE encapsulated silicone (SOE)/PTFE (DOE)  |     |    |    |    |    |                      |
| <b>Packaging</b>   |     |    |    |    |    |                      |
| 1PK single packed in PE sleeve (standard)  |     |    |    |    |    |                      |
| 1PKC single packed in PE sleeve and box  |     |    |    |    |    |                      |
| amaGuard GP  | 01- | 10 | U- | X3 | S- | 1PK ordering example |

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