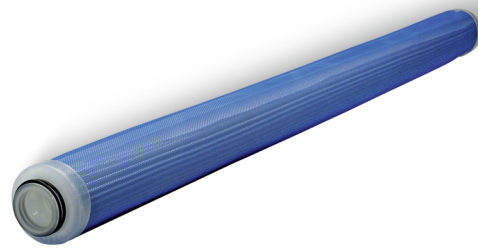


## Filter Cartridge amaGuard FP

Offshore

### 1. Introduction

The amaGuard FP is a glass fibre pleated filter cartridge, which has been specially made for the offshore industry, for the filtration of for example completion fluid or injection sea water. This filter cartridge uses a high quality microfibre glass filter medium, creating a high performance filter cartridge. The unique design and filter media ensures a high flow, low pressure drops and high dirt load capacity, resulting in economic filtration during its long service life. The amaGuard FP range of filter cartridges have been designed to work at a maximum temperature of 65 °C and a maximum recommended differential pressure of 2.5 bar. The filter media has been specifically designed and optimised to provide a high dirt holding capacity to enable longer service life with low differential pressure drops. The amaGuard FP range of filter cartridges offer the ideal solution for pre and final filtration of a wide variety of process fluids, giving a long service life at a cost effective level.



## 2. Features

- High capacities at low pressure drops
- Rated at 90% efficiency
- Colour coded polypropylene netting for easy micron rating identification
- Broad chemical compatibility

## 3. Colour coding

Colour coding for PP Netting

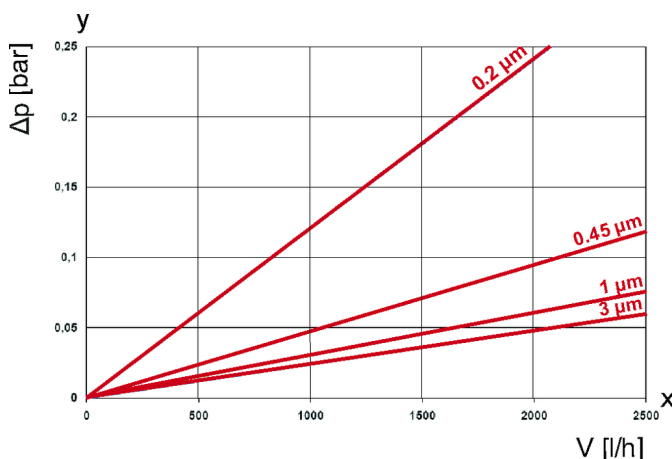
- Green : 0.2 micron
- Yellow : 0.45 micron
- White : 1 micron
- Blue : 3 micron

Nominal and absolute particle retention [ $\mu\text{m}$ ]		
Cartridge type	90 %	$\geq 99.9\%$
FP0.2	0.20	1
FP0.45	0.45	2
FP1	1	4
FP3	3	10
FP10	10	18

## 4. Product/Performance specifications

- Filter medium : microfibre glass
- Support medium : polyester
- Hardware : polypropylene
- Outer cage : polypropylene netting
- End cap seal : thermally bonded
- Gaskets/O-rings : Buna-N (standard), silicone
- Dimensions**
- External diameter : 66 mm
- Length : 40"
- Maximum recommended differential pressure : 2.5 bar

## 5. Water flow rate for 10" cartridge



x=Flow rate  
y=Clean pressure drop

## 6. Ordering code

Example

amaGuard FP	3	40	U	X3	S
<b>Cartridge type</b>	<b>Micron rating [<math>\mu\text{m}</math>]</b>	<b>Nominal length [inch]</b>	<b>Hardware material</b>	<b>Cartridge style</b>	<b>O-Ring material</b>
	0.2	40 (1016 mm)	U=polypropylene (PP core and outer netting)	X3	N=Buna-N (standard) S=Silicone
	0.45				
	1				
	3				
	10				

X3=SOE with external 222 O-rings

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