

## Filter cartridge amaFine WM

### 1. Introduction

The amaFine WM membrane cartridges use a highly asymmetric polysulphone membrane which ensures high flow rates at very low pressure drops. The amaFine WM is specially developed for the filtration of demineralised and high purity water. The highly asymmetric membrane provides longer on-stream life than conventional membrane media. The broad chemical compatibility makes it also very useful in other applications.

### 2. Features

- Highly asymmetric polysulphone membrane
- High capacities at low pressure drops
- Rated at > 99.9% efficiency
- Materials of construction are conform to EU and FDA food grade requirements
- Cost effective membrane cartridge



### 3. Sanitation and Food safety

#### Sanitisation

The cartridges can be sanitised in place with the standard chemical agents or through cycles of 30min under 82°C water conditions.

#### Food safety

All materials used fulfil EU regulation 1935/2004 and are listed in the FDA CFR21 regulations.

#### Rinse up volume

The cartridges will rinse up to 18 MW.cm in less than 6 minutes at a flow rate of 600 l/h.

### 4. Product / Performance specifications

Filter medium  
Surface treatment  
Support medium  
Hardware  
End cap seal  
Gaskets/O-rings

polysulphone membrane  
hydroxypropylcellulose  
polypropylene  
polypropylene  
thermally bonded  
EPDM, silicone, Buna-N, Viton®, PTFE encapsulated silicone (SOE), PTFE (DOE)

#### Dimensions

External diameter  
Length

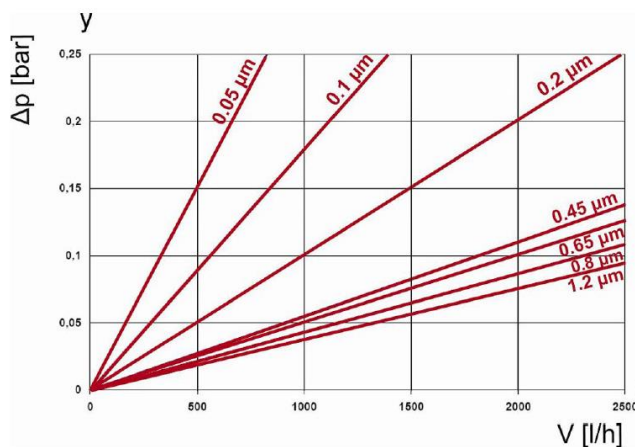
67 mm  
see ordering information  
(length in mm for X4)  
0.55 m<sup>2</sup>/10" cartridge

Filtration area

#### Maximum recommended differential pressure

Design  
Operating  
max. operating temperature  
Box quantity

### 5. Water flow rate for 10" cartridge



x = Flow rate l/h

y = clean pressure drop bar

### 6. Ordering code

amaFine	WM	0.2	-10	U	-X7	S	-1PKC
<b>Cartridge type</b> WM							
<b>Micron rating [μm]</b> 0,05 0,1 0,2 0,45 0,65 0,8 1,2							
<b>Nominal length [inch]</b> 10 (249 mm) 20 (516 mm) 30 (766 mm) 40 (1013 mm)							
<b>Hardware material</b> U = polypropylene							
<b>Cartridge style</b> 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							
<b>Gasket / O-ring material</b> E = EPDM S = Silicone V = Viton® (FKM) N = Buna-N (NBR) E = EPDM T = PTFE encapsulated silicone (SOE) / PTFE (DOE)							
<b>Packaging</b> 1PK = single packed in PE sleeve 1PKC = single packed in PE sleeve and box (standard)							