

**Masterfilter APF series** absolute rated polypropylene cartridges provide absolute efficiency and reliable performance in most critical applications. It combines high dirt holding capacity with long service life and high flow rates. 100% polypropylene construction with nanofiber media for high backwash capability and microbiological control make it an ideal filter for beverage applications.

### Application

- Beer filtration
- Food & Beverage
- Microbiological stabilisation
- Water purification
- Fine chemicals
- Pharmaceuticals
- Clarify filtration



### Features and Benefits

- Nanofiber media provide high efficiency and dirt holding capacity
- Pleated surface provides excellent flow rate and long service life
- Absolute rating from 1 to 10 microns
- Microbiological retention on the <1 micron versions
- Nanofiber PP for optimized backwash capability
- 100% PP offers compatibility with most chemicals, solvents caustic and acids
- Pleated surface provides excellent flow rates

### Food and Biological Safety

- Comply with the relevant requirements of EU 1935/2004 and EU Directive 10/2011
- Pass USA Plastic Class VI Test
- No fibre releasing according to 21 CFR

### Materials of Construction

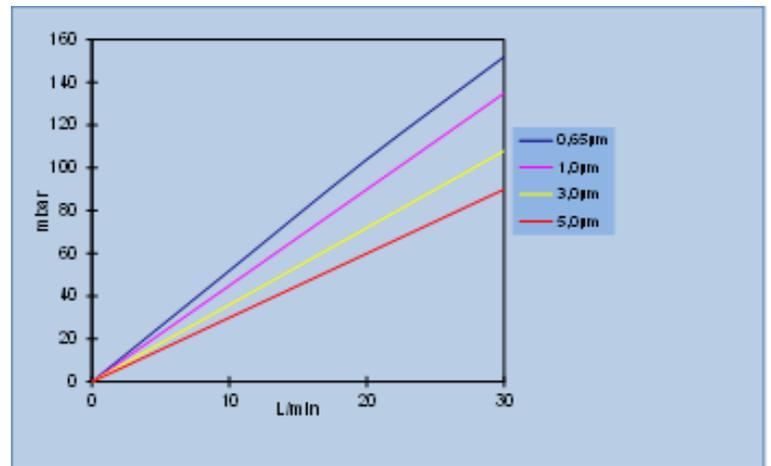
- **Membrane:** Polypropylene nanofiber
- **Support Layers:** Polypropylene
- **Inner Core:** Polypropylene
- **Outer Cage:** Polypropylene
- **End Caps:** Polypropylene
- **End cap insert:** Stainless 304
- **O-Rings:** EPDM/Silicone

### Operating Parameters

- **Max differential pressure forward:** 5bar (20°C)
- **Max differential pressure reverse:** 3bar (85°C)
- **Max. back pressure:** 2bar (20°C)  
0,4 bar (80°C)
- **In situ steam Sterilization:** 121°C 20min
- **In situ Hot Water Sanitization:** 80°C
- **Autoclaving:** 134°C, 30min

### Microbiological retention

The APF absolute rated polypropylene cartridges' nano fibre technology of the 1 micron version provides a high microbial stability of drinking water and beverage products by removing regulated micro-organisms over extended periods of use.



### Full retention:

- Saccharomyces cerevisiae
- Brettanomyces bruxellensis
- Yeast
- Fungi

### Partial retention:

- Lactobacillus brevis
- Acetobacter oeni
- Serratia marcescens
- Pseudomonas aeruginosa
- Clostridium perfringens

### Part Numbers

**APF**

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Code	Removal rating micron
0100	1,0
0200	2,0
0300	3,0
0500	5,0
1000	10,0

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Code	Length	
	mm	inch
10	254	10
20	508	20
30	762	30
40	1016	40

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Code	End caps
STC	Sartorius code 28
HTC	222 O-ring/flat (Code 3)
HTF	222 O-ring/fin (Code 8)
HSF	226 O-ring/fin (Code 7)
HSH	UF retrofit

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Code	O-Rings
S	Silicone
E	EPDM
V	Viton