

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

APF Series

Filter cartridges



Materials of Construction

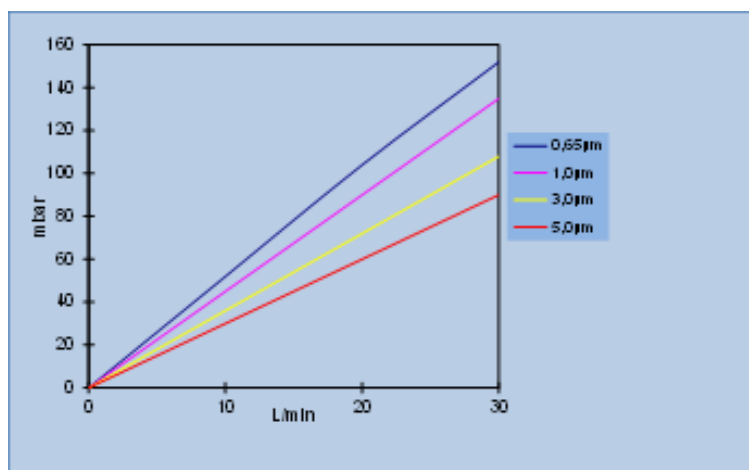
- **Membrane:** Polypropylene nanofiber
- **Support Layers:** Polypropylene
- **Inner Core:** Polypropylene
- **Outer Cage:** Polypropylene
- **End Caps:** Polypropylene
- **End cap insert:** Stainless 304
- **O-Rings:** EPDM/Silicone

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									
	-		-		-		-		
Code	Removal rating micron	Code	Length		Code	End caps		Code	O-Rings
			mm	inch					
0100	1,0	10	254	10	STC	Sartorius code 28		S	Silicone
0200	2,0	20	508	20	HTC	222 O-ring/flat (Code 3)		E	EPDM
0300	3,0	30	762	30	HTF	222 O-ring/fin (Code 8)		V	Viton
0500	5,0	40	1016	40	HSF	226 O-ring/fin (Code 7)			
1000	10,0				HSH	UF retrofit			