

Bevflo NY

- Easy to integrity test in situ
- Can be repeatedly steamed in situ and in the autoclave
- Thermowelded construction
- EC-listed materials for food contact
- FDA - listed materials per 21 CFR
- Bio-Safety per USP - Plastics
- Low filter extractables even with solvents
- Validation Guide available on request



The Bevflo NY filter element is designed and manufactured to satisfy and assure high quality and consistent performance across critical applications.

The Bevflo NY cartridge includes nylon 6.6 membrane at controlled porosity and provides high efficiency in bacteria retention. The membrane is pleated with support and drainage layers in polyester which gives high endurance versus thermal sterilisation and hydraulic pulsation stress.

The intrinsic water wettability of nylon and polyester allows easy integrity testing. Manufacturing is completed in a controlled environment; and each filter is integrity tested.

Bevflo NY filter element 0.1 micron and 0.2 micron are available with a single and double membrane layer.

Materials of Construction

Filter media	Nylon 6,6
Upstream supports	Polyester
Downstream supports	Polyester
Internal Core	Polypropylene
External Cage	Polypropylene
End caps / Adapters	Polyester

Food Safety

Bevflo NY filter element materials meet (EU) regulation 10/2011 and its subsequent amendments and regulations (EC) 1935/2004 and 1895/2005.

Bio-Safety

Filter media and components pass USP CLASS VI Biological Reactivity and Chemical-Physical tests for CLASS VI plastics. Specific for PH grade, the filter meets USP "water for injection" requirements for particle release and the effluent is non pyrogenic per USP bacterial endotoxins (<0.25 EU ml).

Quality Standards

Produced under a certified management system to guarantee traceability of manufacturing records and integrity testing results.

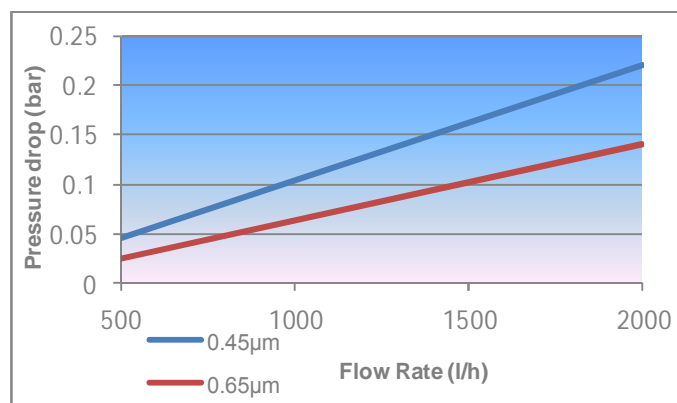
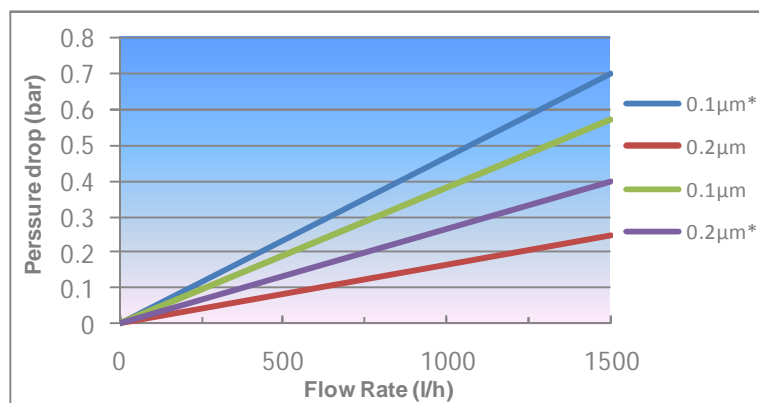
Operating Conditions

- Maximum continuous temperature of 80°C
- Maximum cumulative time of steam sterilisation - 5 hours at 140°C / 13 hours at 125°C / 20 hours at 121°C
- Sanitisation with hot water 80°C maximum
- Sanitisation with chemicals, it can be sanitised by the usual chemical agents
- Maximum differential pressure of 5.0 bar at 25°C - 2,5 bar 80°C - 0,3 bar 135°C
- Recommended change out differential pressure of 2.0 bar at 25°C
- Recommended rinse up volume 3 liters/cartridge 10"

ABSOLUTE FILTRATION RATING IN LIQUIDS	BACTERIAL RETENTION OF 10 MICRO-ORGANISM >10 CFU/ 10" CARTRIDGE*	ACCEPABLE LIMIT FOR DIFFUSION FLOW TEST WITH WATER FOR 10" CARTRIDGE (ml/min)
0.1µm	Hydrogenophaga pseudoflava	≤ 15 @ 2.8 bar
0.1µm double layer*	Hydrogenophaga pseudoflava	≤ 15 @ 2,8 bar
0.2µm	Brevundimonas diminuta	≤ 16 @ 2.1 bar
0.2µm double layer*	Brevundimonas diminuta	≤ 16 @ 2.1 bar
0.45µm	Serratia marcescens	≤ 16 @ 1.5 bar
0.65µm	Leuconostoc oenos	≤ 18 @ 0.9 bar

*as per ASTM F838-05
 ** bacterial retention with *Acholeplasma laidlawii* ≥ 10⁸

Water Flow Rate for 10" Cartridge



Ordering Guide

Name	Micron Rating	Nominal Length	End Cap Type	Seal Type	Special
Bevflo NY	0.1µm	5"	03	E - EPDM	DBL - double layer membrane
	0.2µm	10"	04 - DOE	V - Viton	
	0.45µm	20"	07	F- Fer	PH - Biological Grade; tested and preflushed with non - pyrogenic water.
	0.65µm	30"	08	S - Silicone	
		40"	28		

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