

Bevflo SQ

- Extended effective filtration area
- Testable in situ
- Repeatedly steamable in situ or in an autoclave
- Sanitisable and regenerable
- Thermowelded construction
- EC-listed materials for Food contact
- FDA-listed materials per CFR21
- Bio-Safety per USP-Plastics



The Bevflo SQ element is made from media that has a pleated arrangement with an extended effective filtration area. The Bevflo SQ is extremely efficient at reducing the bio burden in water filtration. Typical applications include upstream softening systems, backwashing systems for dialysis, bottle washing, etc. If the application requires higher safety standards, the Bevflo SQ is available with a double layer of membranes. These cartridges are manufactured within a controlled environment.

Materials of Construction

	Single membrane	Double membrane
Filter media	PES membrane	
Prefilter	//	PES membrane
Supports	Polyester	Polypropylene
Internal Core	Polypropylene	
External Cage	Polypropylene	
End caps/Adapters	Polypropylene	

Food Safety

BEVFLO SQ filter element materials meet (EU) regulation 10/2011 and its amendments, regulations (EC) 1935/2004 and 1895/2005.

Bio Safety

Filter media and components pass USP Biological Reactivity and Chemical-physical tests for CLASS VI plastics.

Quality Standards

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

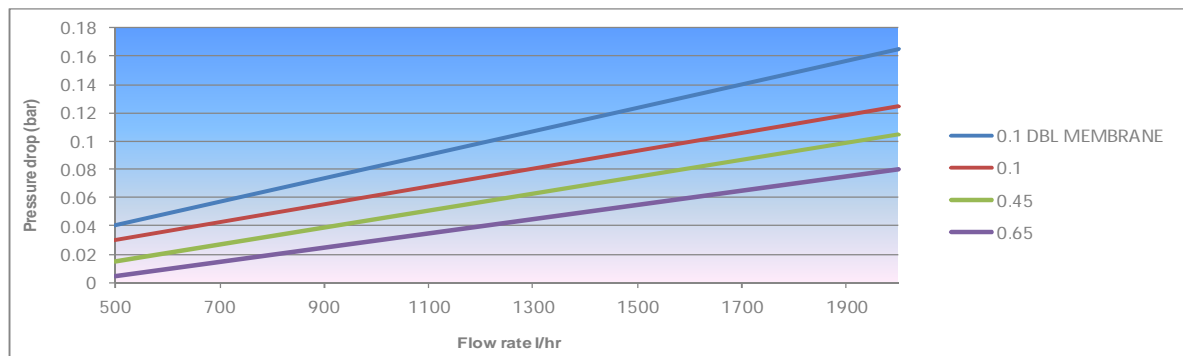
Operating Conditions

- Maximum continuous temperature of 65°C
- Maximum cumulative time of steam sterilisation 20 hours at 125°C with cycles of 30 minutes
- Sanitisation with hot water 80°C maximum
- Sanitisation with chemicals, it can be sanitised by standard chemical agents
- Regeneability 2% NaOH solution at 25°C
- Maximum differential pressure of 5.0 bar at 25°C
- Recommended change out differential pressure of 2.0 bar at 25°C
- Recommended rinse up volume of 3 litres / 10" cartridge

ABSOLUTE FILTRATION RATING IN LIQUIDS	ACCEPTABLE LIMIT FOR PRESSURE HOLD TEST*		ACCEPTABLE LIMIT FOR WATER DIFFUSION TEST FOR 10" CARTRIDGE (ml/min)
	No.1 30" cartridge	No.8 30" cartridge	
0.1µm double membrane	≤ 0.12 bar @ 2.8 bar	0.09 bar @ 2.8 bar	≤ 18 @ 2.8 bar
0.1µm	≤ 0.12 bar @ 2.8 bar	0.09 bar @ 2.8 bar	≤ 18 @ 2.8 bar
0.2µm double membrane	≤ 0.10 bar @ 1.8 bar	0.08 bar @ 1.8 bar	≤ 15 @ 1.8 bar
0.2µm	≤ 0.10 bar @ 1.8 bar	0.08 bar @ 1.8 bar	≤ 15 @ 1.8 bar
0.45µm double membrane	≤ 0.13 bar @ 1.2 bar	0.1 bar @ 1.2 bar	≤ 20 @ 1.2 bar
0.45µm	≤ 0.13 bar @ 1.2 bar	0.1 bar @ 1.2 bar	≤ 20 @ 1.2 bar
0.65µm	≤ 0.13 bar @ 0.9 bar	0.1 bar @ 0.9 bar	≤ 20 @ 0.9 bar

*The values are related to 5 minutes and are indicative as they depend on volume of the housing upstream the filter element.

Water Flow Rate for 10" Cartridge



Ordering Guide

Name	Micron Rating	Nominal Length	End Cap Type	Seal Type	Special
Bevflo SQ	0.1µm	10"	03	E - EPDM	DBL - Double layer membrane (0.1, 0.2 & 0.45µm)
	0.2µm	20"	04 - DOE	S - Silicone	
	0.45µm	30"	07		
	0.65µm	40"	08		
			28		

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