

Bevflo GM

The Bevflo GM filter cartridge is a microbially rated pleated filter element based on a naturally hydrophilic, mirrored asymmetric Polyethersulphone membrane.

The Bevflo GM filter cartridge has a multi-layer construction, with an integral microfibre pre-filter layer and polypropylene support and drainage layers. The high surface area, 0.6m² EFA, and integral pre-filter ensures high flow rates with low pressure drops and long service life.

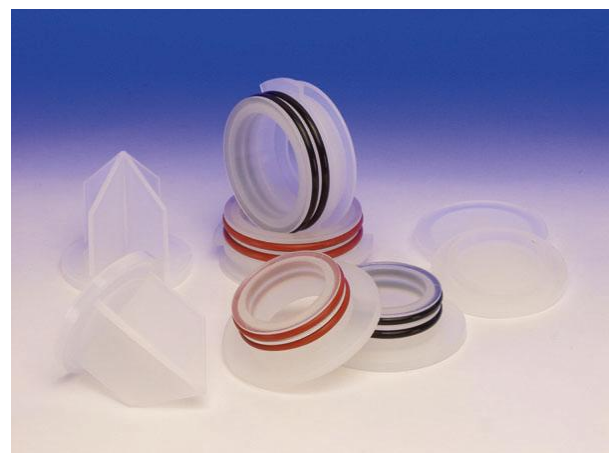
The Bevflo GM membranes are naturally hydrophilic so contain no wetting agents, this with the thermal bonding assembly process results in very low levels of extractables, and when supplied, pre-rinsed Bevflo GM filter cartridges have fast rinse up times of up to 18 MΩ.cm. Another feature of the Bevflo GM membrane is low protein binding, meaning that most of the proteins present in the feed remain in the filtrate.

Bevflo GM filter cartridges are available in a wide range of length and end cap configurations to retrofit most industry standard applications.



Features and Benefits

- Integrity testable, bubble point and diffusional flow data supplied.
- Individually lot numbered with unique serial numbers for traceability.
- Can be steam sterilised and repeatedly hot water sanitised.
- Excellent chemical compatibility and resistant to hydrolysis.
- Low protein binding, does not strip out proteins or remove colours when used for beverage filtration.
- Naturally hydrophilic, no wetting agents needed and very low levels of extractables.
- Meets current USP Class VI plastics test and CFR Title 21 for food contact.



Dimensions

Outside Diameter: 69mm
 Inside Diameter: up to 32mm
 Lengths: 5" to 70"

Sanitisation

Steam or Autoclave: 125°C for 30 minutes
 (with steam ring, 30 cycles)
 Hot Water Sanitisation: 90°C for 30 minutes repeatedly

Operating Conditions

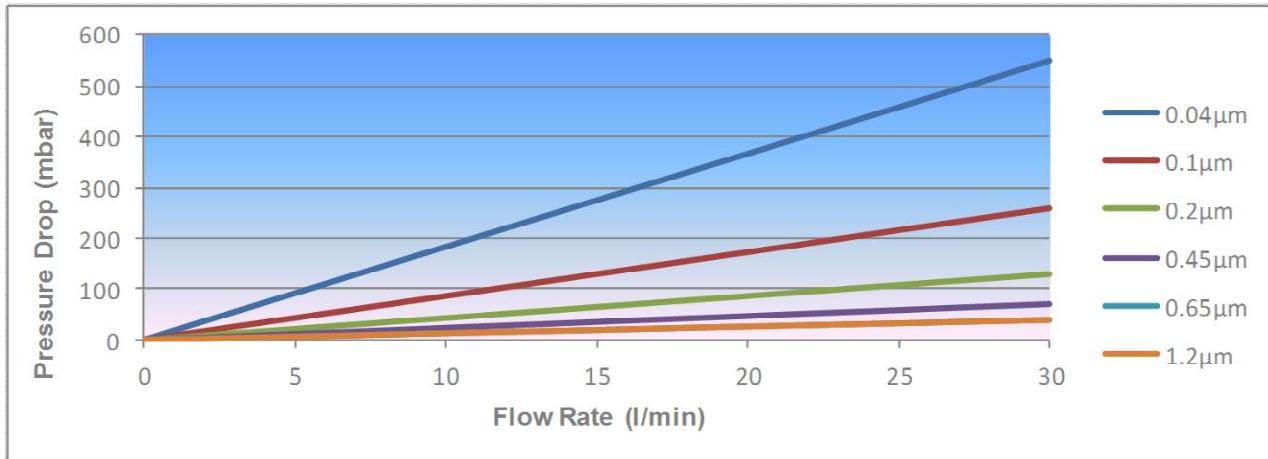
Recommended Maximum ΔP :

Forward Flow 4 bar @ 20°C
 2.8 bar @ 65°C
 1 bar @ 80°C
 Reverse Flow 3 bar @ 20°C

Integrity Test

Pore Size Micron	Bubble Point psi	Diffusion Rate	
		cc/min	psi
0.04	45	<36	37
0.1	35	<56	28
0.2	27	<35	22
0.45	21	<24	17
0.65	12	<20	10

Water Flow Rate 10" Element, Water @ 20°C



Ordering Guide

V1-08/14

Name	Micron Rating	Nominal Length	End Cap Type	Seal Type	Special
Bevflo GM	0.04µm	5"	03	E - EPDM	
	0.1µm	9 7/8"	04 - DOE	N - Nitrile	
	0.2µm	10"	07	S - Silicone	
	0.45µm	20"	08	V - Vitron	
	0.65µm	30"	Amazon End Cap Style		
		40"			



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