

Bevflo WK

- High separation nanofiber matrix
- High dirt holding capacity
- Easy to sanitize and sterilisable
- Thermowelded construction
- EC listed materials for food contact
- FDA listed material per CFR21



Bevflo WK is especially designed to remove microorganisms . Bevflo WK filter element is manufactured with an innovative filter media made of polypropylene nanofibre, with dimensions that varies from 0.5 to 0.8 microns supported by a borosilicate microfiber.

The controlled dimension of these fibers provides high reliable performances in bacteria, yeast, molds and macro colloids retention. The microbiologic stabilisation is reached using a single stadium of filtration. It can be used as a high efficiency pre-filter in case there is a second stadium of final filtration equipped with sterilising membranes. Tests conducted in labs as well as on site prove that Bevflo WK filter elements dramatically increases the final membrane service life giving a significant cost reduction to the process.

Typical applications are wine, beer and process water in all beverages applications.

Materials of Construction

Filter media	Nanofibre matrix of polypropylene with microfibers of borosilicate
Upstream supports	Polypropylene
Downstream supports	Polypropylene
Internal core	Polypropylene
External cage	Polypropylene
End caps / Adapters	Polypropylene

EU Directive—Food Safety

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

Recommended Operating Conditions

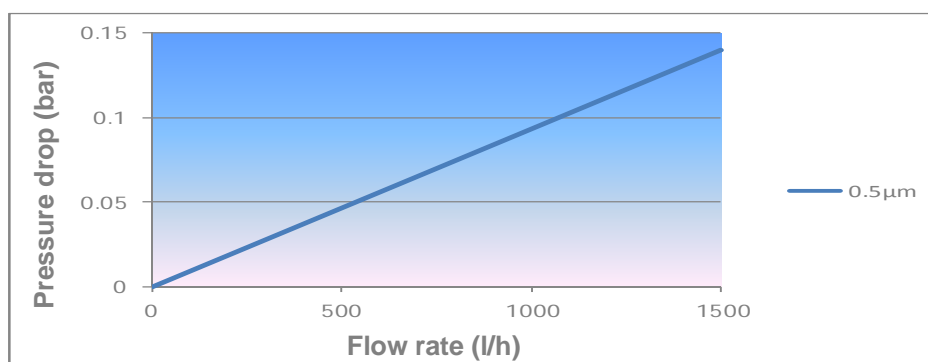
- Maximum continuous temperature of 80°C
- Maximum cumulative time of steam sterilisation is 40 hours at 121°C with cycles of 30 minutes
- Sanitisation with hot water is 90°C max
- Sanitisation with chemicals - can be sanitised by standard chemical agents
- Regenerability of 20% NaOH solution at room temperature
- Maximum differential pressure is 5.0 bar at 25°C
- Recommended change out differential pressure is 2.0 bar at 25°C

FILTRATION RATING IN LIQUIDS	MAX WATER FLOW RATE 10" CARTRIDGE l/h
0.5µm	500

Microbiological Retention

Serratia marcescens	Oenococcus oenos	Saccharomices cerevisiae
$\geq 10^5$	$\geq 10^5$	$\geq 10^{10}$

Work Flow Rate for 10" Cartridge



Ordering Guide

Name	Micron Rating	Nominal Length	End Cap Type	Seal Type	Special
Bevflo WK	0.5µm	10"	04 - DOE	S - Silicone	
		20"	07	E - EPDM	
		30"	08		
		40"	28		

V1-08/14



UK Office:

Envirogen Water Technologies
Charwell House
Cheddar Business park
Wedmore Road
Somerset, BS27 3Eb
Tel: +44 (0) 1934 741782
E: info@envirogen.com
www.envirogenwater.com



Italian Office:

Fluxa Filtri S.p.A
Viale De GASPERI,88/B
20017
Mazzo di Rho
Milano
Tel: +39 (0)2 93959.1
E: info@fluxafiltri.com
www.fluxafiltri.com



USA Office:

Envirogen Technologies
Two Kingwood Place
700 Rockmead Dr. Suite 105
Kingwood, TX 77339
Tel: +1 877.312.8950
E: info@envirogen.com
www.envirogen.com