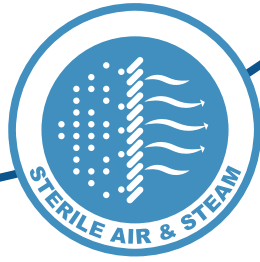



ULTRAFILTER
THE FILTRATION MANUFACTURER
THE SCANDINAVIAN FILTRATION PARTNER

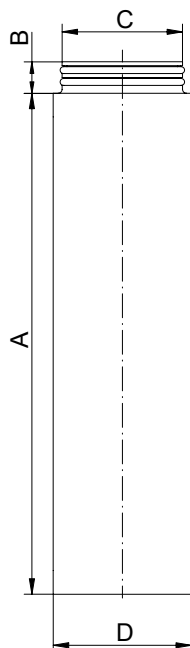


ULTRAFILTER VENT FILTER ELEMENT P-BE-N

WWW.ULTRA-FILTER.COM

STERILE VENT FILTER ELEMENT

P-BE-N



The P-BE-N is a pleated depth filter with inner and outer guard end caps made of stainless steel. Consisting of a three-dimensional borosilicate depth media, the P-BE-N achieves a void volume of 95 %, ensuring a high containment capacity at high flow rates and low differential pressure. A retention rate of > 99.999 % related to 0.01 μm is achieved during operation.

All components meet the FDA requirements for the contact with food in accordance with the CFR requirements (code of federal regulations) tilte 21 and EC/1935/2004.

Features and advantages

- Non-fibre releasing filter element.
- Manufactured without use of binders or other chemical additives.
- Corresponds to cGMP requirements (current Good Manufacture Practice) and is manufactured according to DIN EN ISO 9001.
- P-BE-N has passed the toxicological test according to USP XX Calss VU for plastics.

Technical Data

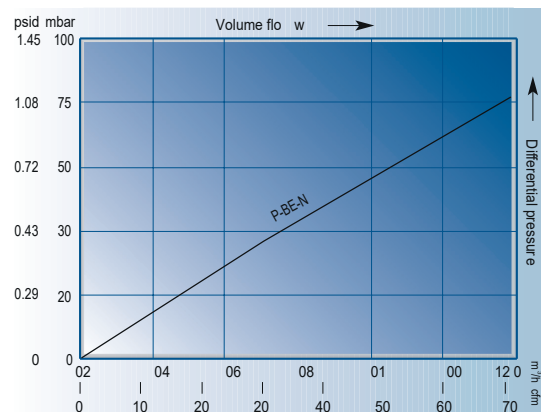
	Borosilicate, polyester		
	0,2 μm		
	99,99998%		
	-20°C to 200°C		
	SS 1.4301		
	EPM (Std.), FEPM (Fluoraz)....		
			FDA CFR article 21/EC 1935/2004 Validated and Approved

Bacterial retention: LRV > 7/cm² for T1 Coliphagen

Applications

- Aseptic packing
- Biotechnology
- Breweries
- Chemical industry
- Dairies
- Fermentation processes
- Food and beverages
- Pharmaceutical Industry
- Water treatment systems

Flow rate of a 10" P-BE-N element at 8 bar abs.



STERILE VENT FILTER ELEMENT

P-BE-N



Element Dimensions (mm)					
Element size	A	B	Ø C	Ø D	Correction factor
03/10	76	12	¾"	42	0,12
05/25	128	14	1"	62	0,32
05/30	128	16	2"	86	0,46
10/30	254	16	2"	86	1,00
20/30	508	16	2"	86	2,10
30/30	762	16	2"	86	3,28

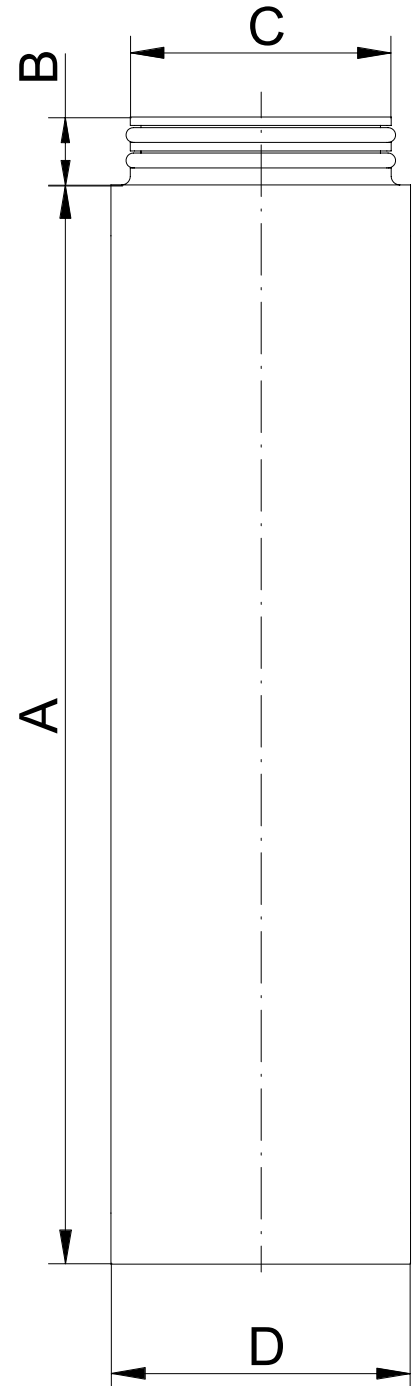
Filtration Surface: 8600 cm² per 10" element (10/30)(254 mm)

Materials	
Filter media	Borosilicate
Outer core	SS 1.4301
Inner core	SS 1.4301
Inner layer	Polyester
End caps	SS 1.4301
Bonding material	Silicone
Seals	EPM (Std.), FEPM (Fluoraz) on request

Features	Benefits
Outer guard and endcaps made of stainless steel	High mechanical and thermal stability, good durability against chemicals and numerous aggressive gases.
Absolute retention rate of 99,99998% related to 0,2 µm	Validated retention rate, integrity testable with DOP test according to HIMA
Three-dimensional borosilicate depth filter media	High waste containment capacity, low differential pressure, high flow rate
Biologically and chemically inert	No breeding ground for separated microorganism
200 sterilization cycles guaranteed	High economical efficiency and low filtration costs
100% integrity tested	Guaranteed quality
Available in 13 sizes	Optimum filter size for individual application
Stainless steel core and end-caps	Temperature range from -20 °C to 200 °C

Specifications	
Bacterial retention	LRV > 7/cm ² for T1 Coliphagen
Max. differential pressure	5 bar, independant of operating pressure flow direction

Sterilization	
In-line sterilization with slow speed saturated steam: Max. 121°C for 30 minutes max. 131°C for 20 minutes max. 141°C for 10 minutes	
Autoclave: 125°C for 30 minutes	





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ABOUT US

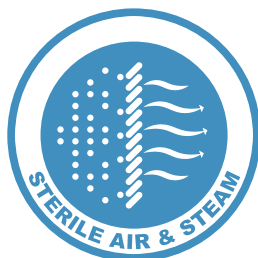
Ultrafilter Scandinavia offers a wide selection of filtration products for compressed air, liquids and gas. We have stock in Denmark and from here we distribute all of our products to Scandinavia and the Baltic countries.

Ultrafilter Scandinavia is a part of the Ultrafilter group. Our production facility is in Germany and we have several subsidiaries in Europe and the United States.

You can buy our products on local websites. Information about our products as well as brochures and manuals can be found on our website (www.ultra-filter.com).

We can adapt all of our filtration products to your needs, and we offer visits from our consultants in order to find the right solution for you. We also offer on going service on our products once they are installed.

FILTRATION OF



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