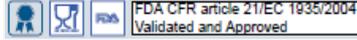


NP-BE Filter Element



Specifications

Material:	Borosilicate, Polyester
Filtration rating, μm :	0,2 μm
Efficiency, %:	99,999%
Max. Temp. C°:	-20°C to 200°C
End caps:	Stainless steel SS304
O-ring	Silicone (others available)



Bacterial retention: LRV > 7/cm² for T1 Coliphagen

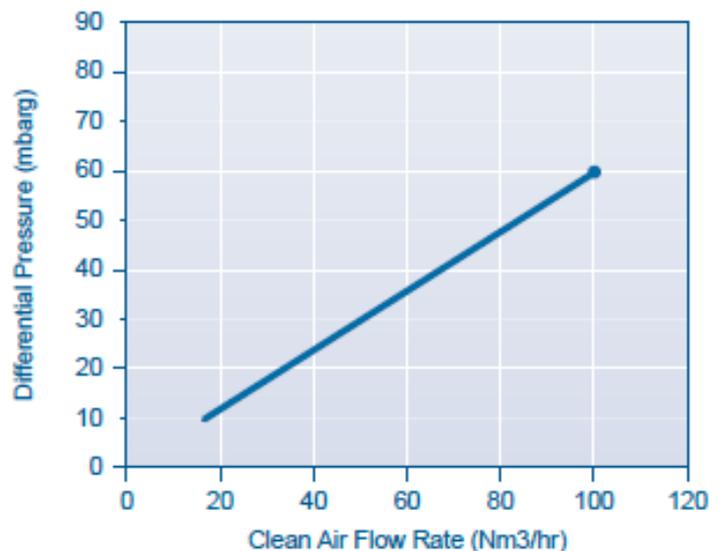
The P-BE is a wounded depth filter with inner and outer guard end caps made of stainless steel. Consisting of a threedimensional borosilicate depth media, the P-BE achieves a void volume of 95 %, ensuring a high containment capacity at high flow rates and low differential pressure. A retention rate of > 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.

The filter element can be sterilised for continuous use up to 100 times. Regeneration is done by in-line steam or externally in autoclave.

Applications

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



Element Dimensions (mm)					
Element Size	A	B	Ø C	Ø D	Filtration Surface
03/10	76	12	3/4"	42	148 cm ²
05/25	128	14	1"	62	247 cm ²
05/30	128	16	2"	86	247 cm ²
10/30	254	16	2"	86	494 cm ²
20/30	508	16	2"	86	988 cm ²
30/30	762	16	2"	86	1482 cm ²

Materials	
Filter media	Borosilicate
Outer core	SS 1.4301
Inner core	SS 1.4301
Supporting fabric	Polyester
Endcaps	SS 1.4301
Bonding material	Silicone
O-rings	Silicone (others available)

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 99,999% related to 0,01 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
100 sterilization cycles guaranteed	High economical efficiency and low filtration costs
100% integrity tested	Guaranteed quality
Available in 6 sizes	Optimum filter size for individual application

