

**ULTRAFILTER STERILE FILTER P-SRF**

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# STERILE DEPTH FILTER ELEMENT

P-SRF











The P-SRF is a wounded depth filter with inner and outer guard end caps made of stainless steel. Consisting of a three-dimensional borosilicate depth media, the P-SRF achieves a void volume of 95%, ensuring a high containment capacity at high flow rates and low differential pressure. A retention rate of >99.99998% related to 0.2  $\mu\text{m}$  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.

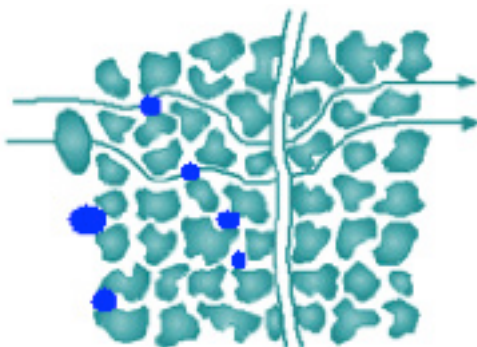
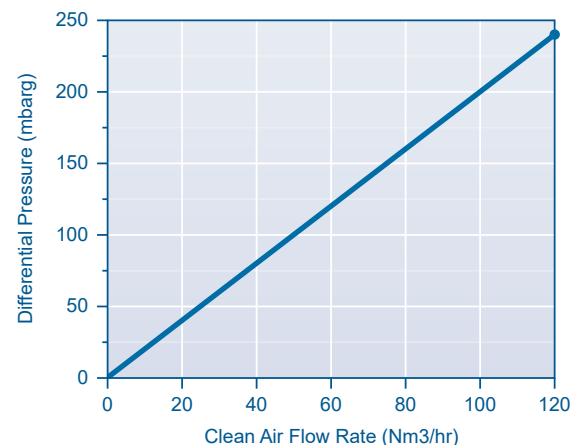
Corresponds to cGMP requirements (current Good Manufacture Practice) and is manufactured according to DIN EN ISO 9001.

P-SRF has passed the toxicological test according to USP XX Class VU for plastics.

## Technical Data

-  Borosilicate
-  0,2  $\mu\text{m}$
-  99,99998%
-  -20°C to 200°C
-  Max. 5 bar
-  Stainless steel SS304 end caps
-  Silicone (others available)
-  FDA CFR article 21/EC 1935/2004  
Validated and Approved

Bacterial retention: LRV > 7/cm<sup>2</sup> for T1 Coliphagen



## Depth Filter

A depth filter typically consists of multiple layers of metallic, polymeric or inorganic material - typically used a variety of silicon, called borosilicate. This type of filter is distinguished by a high filtration capacity and high degree of stability during use and sterilisation. This type of filter is about 99,99998% effective compared to a give micron size.

# STERILE DEPTH FILTER

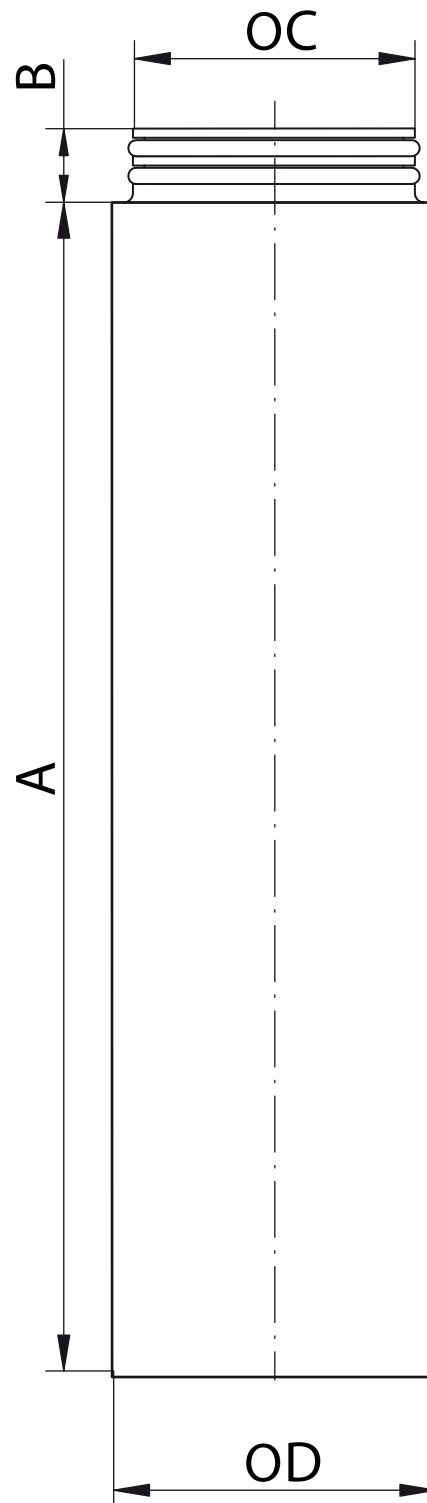
P-SRF



Element Dimensions (mm)					
Element size	A	B	Ø C	Ø D	Filtration Surface
03/10	76	12	¾"	42	59,28 cm <sup>2</sup>
04/10	104	12	¾"	42	83,98 cm <sup>2</sup>
04/20	104	14	1"	52	93,86 cm <sup>2</sup>
05/20	104	14	1"	52	93,86 cm <sup>2</sup>
05/25	128	14	1"	62	158 cm <sup>2</sup>
07/25	180	14	1"	62	232 cm <sup>2</sup>
05/30	128	16	2"	86	227 cm <sup>2</sup>
07/30	180	16	2"	86	336 cm <sup>2</sup>
10/30	254	16	2"	86	494 cm <sup>2</sup>
15/30	381	16	2"	86	766 cm <sup>2</sup>
20/30	508	16	2"	86	1037 cm <sup>2</sup>
30/30	762	16	2"	86	1620 cm <sup>2</sup>
30/50	762	16	2"	140	2910 cm <sup>2</sup>

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

Features	Benefits
Outer guard and end caps 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 0,01 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 microorganisms
100 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





**THE SCANDINAVIAN FILTRATION PARTNER**

## SHOP ONLINE

At [www.ultra-filter.com](http://www.ultra-filter.com) you will find a wide selection of filtration products ready for you to order.



**[www.ultra-filter.com](http://www.ultra-filter.com)**

## ABOUT US

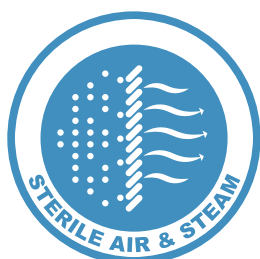
Ultrafilter Scandinavia offers a wide selection of filtration products for compressed air, liquids and gas. We have stock in Denmark and from here we distribute all of our products to Scandinavia and the Baltic countries.

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](http://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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