PROCESS AIR PREFILTER ELEMENT

P-FF / P-MF / P-SMF / P-AK

Technical Data

- Binderfree nanofibres, Pleated cerex
- 0,01 µm
- 99,999% - 99,99999%
- -20°C to 80°C
- Max. 5 bar @ 20°C
- Stainless steel SS304 end caps
- Perbunan Gasket (others available)

All our standard coalescing, particulate and activated carbon filters are available as pre-filters for our stainless steel filter housings for critical installations.

Thanks to the unique combination of binder free, non-woven nanofiber filter media and our special pleating techniques, we can achieve a reduction of energy costs up to 70%, at a higher than regular efficiency.

The new nanofiber material from ultrafilter is oleo phobic, which means that the oil and water particles are actively rejected in order to keep a low differential pressure drop, and consequently the operating costs are reduced to a minimum compared with a conventional filter element.

All metal components on the prefilter elements are made of stainless steel.

Type	Filtration rate	Effectivity	Residual oil content	Max. differential pressure
P-FF	0,01 µm	99,999%	0,1 mg/m³	5 bar at 20°C
P-MF	0,01 µm	99,99998%	0,03 mg/m³	5 bar at 20°C
P-SMF	0,01 µm	99,99999%	<0,01 mg/m³	5 bar at 20°C
P-AK	Activated Carbon	N/A	0,003 mg/m³	2 bar at 20°C

STERILE DEPTH FILTER ELEMENT

P-SRF

This element is **STERILIZABLE**

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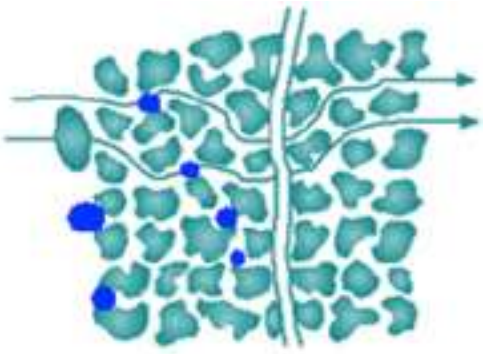
The P-SRF is a wounded depth filter with inner and outer guard end caps made of stainless steel. Consisting of a three-dimensional borosilicate depth media, the P-SRF achieves a void volume of 95%, ensuring a high containment capacity at high flow rates and low differential pressure. A retention rate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

Technical Data

- Borosilicate
- 0,2 µm
- 99,99998%
- -20°C to 200°C
- Max. 5 bar
- Stainless steel SS304 end caps
- Silicone (others available)



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 sterilization. This type of filter is about 99.9999% effective compared to a give micron size.