

Process filter P-SRF sterile depth filter for process air & gases



ultrafilter P-SRF

▫ The P-SRF 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-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 0.01 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.

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

Applications

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

P-SRF sterile filter

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 0.01 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 13 sizes	Optimum filter size for individual application
Stainless steel core and end-caps	Temperature range from -20 °C up to 200 °C

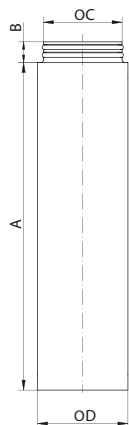
Bacterial retention
LRV > 7/cm ² for T1 Coliphagen

Filtration surface
494 cm ² per 10" element (10/30) (250 mm)

Temperature range
-20 °C to 200 °C

Absolute retention rate
99.99998 % related to 0.01 µm

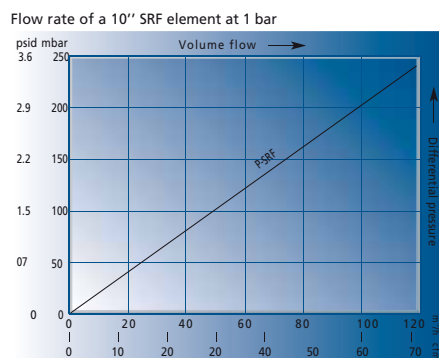
Dimensions:					
Element size	A mm	B mm	Ø C*	Ø D mm	CF
03/10	76	12	3/4"	42	0,12
04/10	104	12	3/4"	42	0,17
04/20	104	14	1"	52	0,19
05/20	104	14	1"	52	0,19
05/25	128	14	1"	62	0,32
07/25	180	14	1"	62	0,47
05/30	128	16	2"	86	0,46
07/30	180	16	2"	86	0,68
10/30	254	16	2"	86	1,00
15/30	381	16	2"	86	1,55
20/30	508	16	2"	86	2,10
30/30	762	16	2"	86	3,28
30/50	762	16	2"	140	5,89



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 (stand.), Buna N, EPDM or Viton

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
P-SRF filter elements are guaranteed for 100 sterilization cycles without loss of integrity.

Max. differential pressure
5 bar, independent of operation pressure of flow direction.



Technical Alternations reserved.