

NP-SRF Filter



Specifications

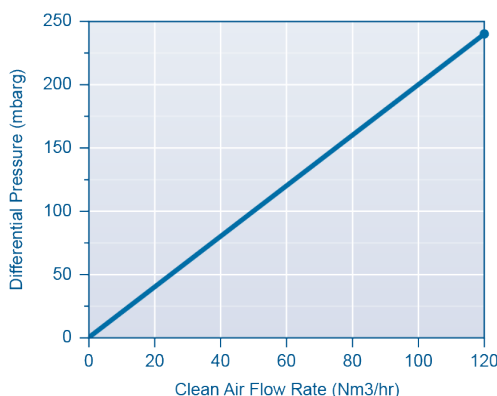
Size, "(inch):	-
Filtration rating, μm :	0,2 μm
Flowrate, l/min:	-
Max. Temp. C°:	-20°C to 200°C
Diff. Pressure:	Max. 5 bar
Efficiency, %:	-
Connection:	SS 1.4301
Material:	SS 1.4301
O-ring:	Silicone
Approval(s):	FDA CFR article 21/EC 1935/2004

The Filter 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 Filter 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.

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.

The Filter has passed the toxicological test according to USP XX Class VU for plastics.



Element Dimensions (mm)

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

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

