

NP-SRF Filter



Specifications

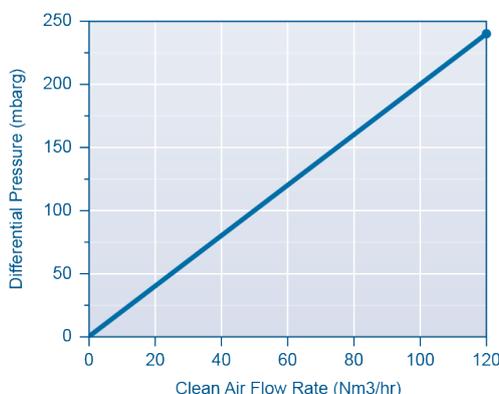
| | |
|------------------------------------|---------------------------------|
| Size, "(inch): | - |
| Filtration rating, μm : | 0,2 μm |
| Flowrate, l/min: | - |
| Max. Temp. C°: | -20°C to 200°C |
| Diff. Pressure: | Max. 5 bar |
| Efficiency, %: | - |
| Connection: | SS 1.4301 |
| Material: | SS 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 |

