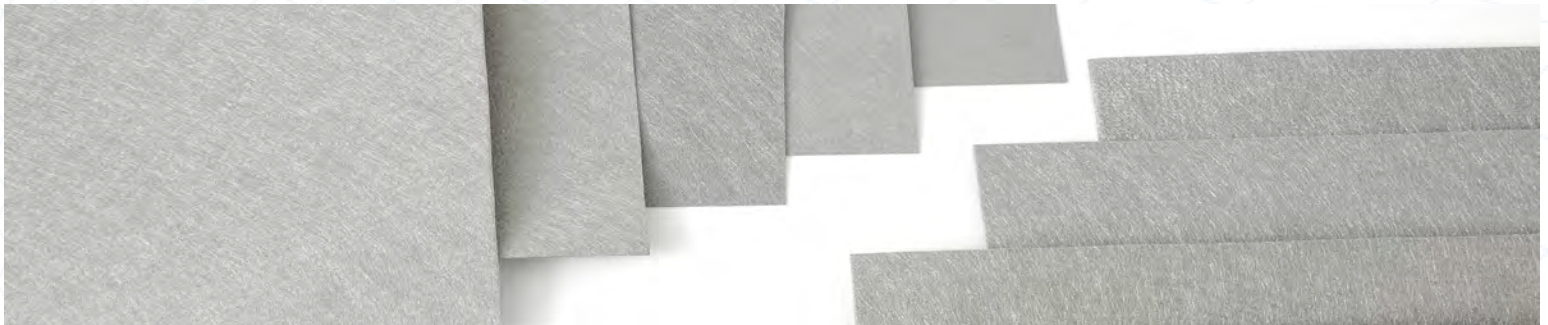




Toll Free: 866-288-2522

SMF - Sintered Metal Fiber



The SMF series of filtration products provides the ability to achieve high filtration efficiencies from a combination of depth and tortuosity while at the same time providing exceptional dirt holding capacity and flow characteristics.

Filter efficiency is achieved by the precise selection of fiber diameters and basis weight. The medium's matrix is constructed to control the pore diameter throughout its thickness, allowing us to achieve a graded pore structure that captures the desired larger particles on the outer layers while allowing the filter element to achieve longer on-stream life.

The result is a higher dirt holding capacity and subsequent longer on-stream life. The media can also be configured as a surface filter to trap particles on the outer layer if backflush or backpulse regeneration applications are desired.

Features and benefits

- Heat resistance
- Pleatable and formable

Typical industries served

- Polymer
- Refineries
- Petrochemical
- Pharmaceutical
- Automotive
- Waste water
- Food and beverage

Specifications

- Standard alloys: 304, 304L, 316, 316L (also available in Inconel 600 and 625, Monel, and Hastalloy upon request).
- Standard sheet sizes: 48" x 48". Custom sizes available upon request.

| Media Designation | Filtration Rating (µm) | Porosity % (+/- 5%) | Thickness (+/- 0.003") | | Air Flow L/min/dm2 @ 200 Pa | Frazier Number cfm/ft2/ @ 0.5" W.C. | Permeability | | Dirt Holding Capacity mg/cm2 (+/-20%) | Bubble Point inches of W.C. |
|-------------------|------------------------|---------------------|------------------------|--------|-----------------------------|-------------------------------------|----------------|-------|---------------------------------------|-----------------------------|
| | | | mm | in | | | m ² | Darcy | | |
| SMF3S | 3 | 65 | 0.351 | 0.0138 | 10 | 2.0 | 5.4E-13 | 0.5 | 6.3 | 44.5 - 54.4 |
| SMF5S | 5 | 78 | 0.338 | 0.0133 | 35 | 7.1 | 1.8E-12 | 1.8 | 5.5 | 27.5 - 33.6 |
| SMF10S | 10 | 77 | 0.320 | 0.0126 | 100 | 20.4 | 4.9E-12 | 5.0 | 7.6 | 13.4 - 16.4 |
| SMF15S | 15 | 78 | 0.371 | 0.0146 | 130 | 26.5 | 7.4E-12 | 7.5 | 7.9 | 9.0 - 10.9 |
| SMF20S | 20 | 81 | 0.490 | 0.0193 | 230 | 46.9 | 1.7E-11 | 17.6 | 12.4 | 6.7 - 8.2 |
| SMF25S | 25 | 79 | 0.610 | 0.0240 | 330 | 67.4 | 3.1E-11 | 31.3 | 19.4 | 5.4 - 6.6 |
| SMF30S | 30 | 90 | 0.630 | 0.0248 | 450 | 91.9 | 4.3E-11 | 44.2 | 23.0 | 4.5 - 5.5 |
| SMF40S | 40 | 77 | 0.660 | 0.0260 | 580 | 118.4 | 5.9E-11 | 59.7 | 25.9 | 3.4 - 4.1 |
| SMF60S | 60 | 87 | 0.701 | 0.0276 | 1100 | 224.7 | 1.2E-10 | 120.2 | 34.0 | 2.3 - 2.8 |

Porous Metal Filters, Inc.
19994 Hickory Twig Way, Spring TX, 77388
Toll Free: 866-288-2522 Tel: 281-719-1352 Fax: 281-719-1351
www.pmfiler.net sales@pmfilter.net



Please note technical information subject to change



Toll Free: 866-288-2522

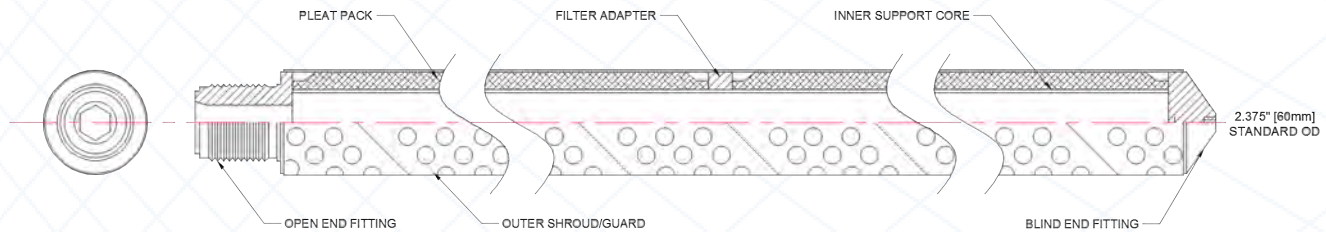
SMF Filter Cartridge

What separates a great filter manufacturer from the others?

- Exceptional customer service
- Product quality
- Fast and reliable information
- Professional and positive attitude

We welcome the opportunity to help with your industrial filter needs.

The PMF screen code is illustrated below



Standard Cartridge Order Code

PFC 5 S 10 AF B

316L Media Type

| | |
|-----|--------------------------------|
| PFC | Sintered Fiber Media, Cylinder |
| PFP | Sintered Fiber Media, Pleated |
| PWC | Wire Mesh, Cylinder |
| PWP | Wire Mesh, Pleated |
| PLS | Sintered Laminate, Cylinder |
| PLP | Sintered Laminate, Pleated |

Micron Rating

| | | |
|----|----|-----|
| 5 | 40 | 100 |
| 10 | 60 | 150 |
| 20 | 70 | |
| 30 | 80 | |

Fitting Metallurgy

| | |
|---|-------------|
| S | 316L |
| N | Nitronic 60 |

Elastomers

| | |
|---|----------|
| B | Buna N |
| N | Neoprene |
| V | Viton |
| E | EPDP |
| P | PTFE |

Inlet/Cap Fitting Configuration

| | |
|---|-----------------------------|
| A | Female 1" NPT |
| B | Male 1" NPT |
| C | Open Gasket Fitting |
| D | Standard 222 double O-rings |
| E | Standard 226 double O-rings |
| F | Blind end |

Cartridge Length

| | |
|----|---------------|
| 10 | 10" - 250 mm |
| 20 | 20" - 500 mm |
| 30 | 30" - 750 mm |
| 40 | 40" - 1000 mm |

Custom media, media alloys, fitting configurations, gasket materials and lengths available upon request

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