



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. This allows us to achieve a graded pore structure that captures the desired larger particles on the outer layers while resulting in 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
- Pharmaceutical
- Food and beverage
- Refineries
- Automotive
- Petrochemical
- Waste water

### SPECIFICATIONS

- Standard alloys: 304, 304L, 316, 316L (also available in Inconel 600 and 625, Monel, and Hastalloy upon request).
- Standard sheet sizes: 24" x 48" and 47.5" x 59". Custom sizes available upon request.

Media Designation	Filtration Rating (µm)	Porosity % (+/- 5%)	Thickness (+/- 0.003")		Air Flow L/min/dm <sup>2</sup> @ 200 Pa <sup>1</sup>	Air Flow cfm/ft <sup>2</sup> @ 0.5" W.C. <sup>1</sup>	Permeability		Dirt Holding Capacity mg/cm <sup>2</sup> (+/-20%) <sup>2</sup>	Bubble Point inches of W.C. <sup>3</sup>
			mm	in			m <sup>2</sup>	Darcy		
SMF-3	3	65	0.351	0.0138	10	2.0	5.4E-13	0.5	6.3	44.5 - 54.4
SMF-5	5	78	0.338	0.0133	35	7.1	1.8E-12	1.8	5.5	27.5 - 33.6
SMF-10	10	77	0.320	0.0126	100	20.4	4.9E-12	5.0	7.6	13.4 - 16.4
SMF-15	15	78	0.371	0.0146	130	26.5	7.4E-12	7.5	7.9	9.0 - 10.9
SMF-20	20	81	0.490	0.0193	230	46.9	1.7E-11	17.6	12.4	6.7 - 8.2
SMF-25	25	79	0.610	0.0240	330	67.4	3.1E-11	31.3	19.4	5.4 - 6.6
SMF-30	30	90	0.630	0.0248	450	91.9	4.3E-11	44.2	23.0	4.5 - 5.5
SMF-40	40	77	0.660	0.0260	580	118.4	5.9E-11	59.7	25.9	3.4 - 4.1
SMF-60	60	87	0.701	0.0276	1100	224.7	1.2E-10	120.2	34.0	2.3 - 2.8

1. ISO 4022/ASTM D737

2. ISO 16889

3. ISO 4003

**Porous Metal Filters, Inc.**

**19994 Hickory Twig Way, Spring TX, 77388**

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**www.pmfilter.net**

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Technical information is subject to change



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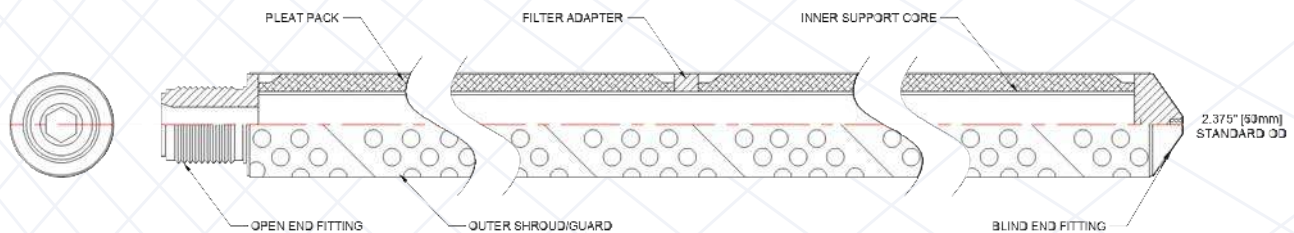
## SMF FILTER CARTRIDGES

### 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

#### 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

**PFC 5 S 10 AF B**

#### 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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