

SINTERPORE® FILTER PLATE



SINTERPORE® media constructed of multiple layers of wire mesh are designed for precise controlled porosity, uniform pore sizes and distribution. **SINTERPORE®** laminates are permanently bonded under precise diffusion bonding (sintering) conditions yielding robust monolithic materials used in a wide variety of engineering applications, ranging from industrial filtration to automotive.

FEATURES AND BENEFITS

- Cleanability
- Heat resistant
- Abrasion resistant
- Easily fabricated
- Uniform flow

APPLICATIONS

- Chemical process filtration
- Hot gas filtration
- Polymer filtration
- Food and beverage
- Flame arrestors
- Spargers

SPECIFICATIONS

- Standard alloys: 304, 304L, 316, 316L, Alloy20 (also available in Inconel 600 and 625, Monel, and Hastalloy upon request).
- Operating temperature 1000° F.
- Standard sheet sizes: 24" x 48". Custom sizes available upon request. Maximum laminate size without welding is 24" x 60" (larger sheets available with welds, maximum panel width with welds 120").

STANDARD SINTERED LAMINATES

Part Number	Nominal Micron (µm)	Filter Mesh	Thickness inches (+/- 0.003")	Air Flow/Permeability (SCFM/SF @ 1" W.C.)
F-PMF316L-2-DS5	2	325 x 2300	0.066	19
F-PMF316L-5-DS5	5	200 x 1400	0.066	25
F-PMF316L-10-DS5	10	165 x 1400	0.066	45
F-PMF316L-20-DS5	20	165 x 800	0.066	70
F-PMF316L-25-DS5	25	80 x 700	0.066	34
F-PMF316L-40-DS5	40	325 x 325	0.066	124
F-PMF316L-60-DS5	60	250 x 250	0.066	119
F-PMF316L-75-DS5	75	200 x 200	0.066	132
F-PMF316L-100-DS5	100	150 x 150	0.066	119

Porous Metal Filters, Inc.

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1. ISO 4022/ASTM D737



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PMF AT A GLANCE

Porous Metal Filters, Inc (PMF) is part of the USA division of the Dorstener Group. Dorstener Drahtwerke has been in business for 100 years and is an industry leader in wire and wire mesh products. The Dorstener Group has locations throughout Europe, North America, South America and Asia, specializing in high performance wire, wire cloth, welded mesh, and metallic filtration products.



PMF provides solutions for filtration, separation, flow control, noise reduction, powder fluidization and other applications through its **SINTERPORE®** brand of diffusion bonded (sintered) porous metal materials. PMF's goal is to utilize its extensive experience to promote porous metal media for the next generation of advanced filtration and separation products.

Porous metal filter elements have proven to be leading edge technology widely practiced in many industries from clarification of nature fruit juices to waste water treatment and waste streams containing detergents, polymers and organic solvents.

SINTERPORE® filter elements cartridges are available in a broad range of micron ratings, permeability and alloys.

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Technical information is subject to change