



Toll Free: 866-288-2522

BALLAST WATER FILTERS



PMF specializes in producing metallic filters from woven wire mesh, perforated metal and metallic fibers. Our state of the art diffusion bonding (sintering) process ensures a strong, reliable media ideally suited for ballast water filtration. PMF's application and engineering staff are here to support your design needs that are specific to your system and process. Our media has unparalleled performance in removing sediment and organic matter.

FEATURES AND BENEFITS OF *SINTERPORE*[®] FILTERS

- Stable pore geometry under high pressure and high flow rates
- Long life and durable filter media designs
- Custom construction and design to help improve filter efficiency and cleaning
- Custom surface designs to help reduce nozzle wear and improve nozzle performance
- High strength and high flow designs
- Easy to clean
- Robust and durable
- Back washable
- Abrasion and corrosion resistant
- Custom design
- Uniform flow
- Available in a wide range of alloys

HIGH FLOW MEDIA

Normally constructed of 3 to 7 layers of woven wire mesh sintered laminate with high flow control layer.

Micron range: 10, 15, 20, 25, 40, 45, 50 μm .

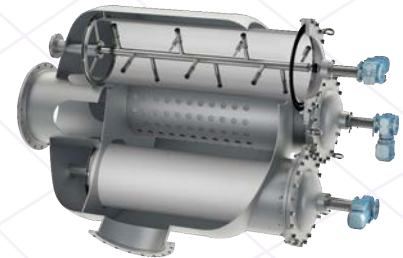
Alloy choice: 304L, 316L, Monel 400, 904L and other high Nickel alloys.

HIGH STRENGTH MEDIA

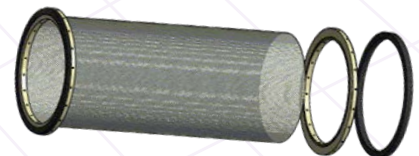
Perforated media can be diffusion bonded to the 3 to 10 layers of woven wire mesh sintered laminate with robust protection layers for superior strength.

Micron range: 10, 15, 20, 25, 40, 45, 50 μm .

Alloy choice: 304L, 316L, Monel 400, 904L and other High Nickel alloys.



Multi-screen system



Filter screen, end rings and screen gasket

Porous Metal Filters, Inc.
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Technical information is subject to change



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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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