

Sinterflo® MC Filter Plates

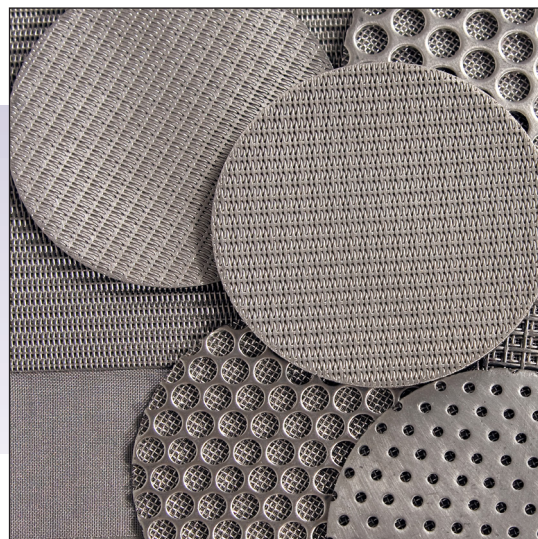
Metal Composite Filter Plates

Multi-layered, diffusion-bonded, stainless steel mesh is available in 316/316L and other alloys. This precision filter mesh, also known as a porous plate, is available in a range of different pore sizes ranging from 2 to 100 micron in diameter.

Fabricated Sinterflo® MC sintered mesh is available in a standard flat plate format, up to a seamless size of 1,000mm x 1,300mm (40" x 52") and an unlimited size in butt-welded sheets.

This material is easily custom engineered for non-standard applications and can be formed into tubes and small discs or large scale circular plates.

Particularly well suited to demanding applications where high operating temperatures up to 540°C (1,000°F), increased chemical resistance and/or high abrasion resistance is essential. These applications include flame arrestors, nutsche filter plates and polymer melt filters.



Typical Applications

- Well water filtration for crop irrigation
- Sand filtration in offshore oil and gas recovery
- Sea water filtration in desalination plants
- Marine life filtration from ballast water

Features and Benefits

- High operating temperatures
- Robust and self supporting
- Application and material versatility
- Enhanced chemical resistance
- Cleanability
- Abrasion resistance
- Design and engineering versatility

Ordering Information

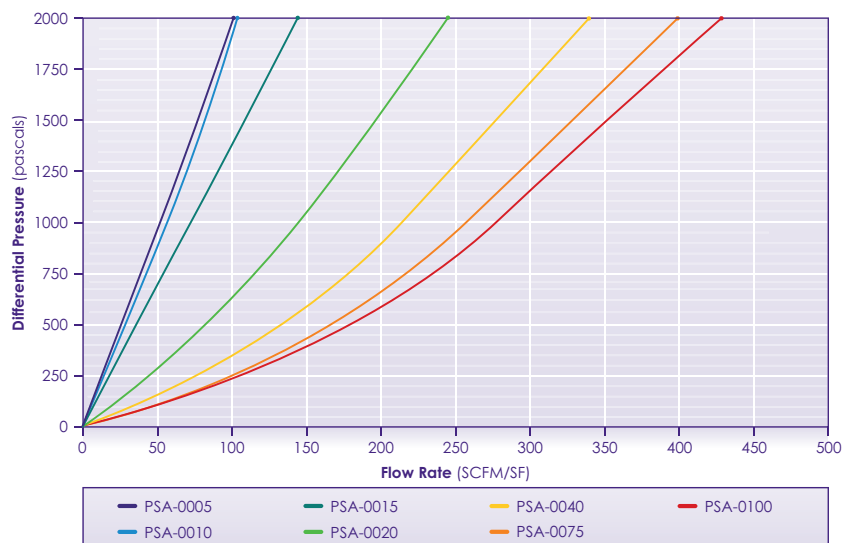
For ordering information please contact a member of the sales team.

Specifications

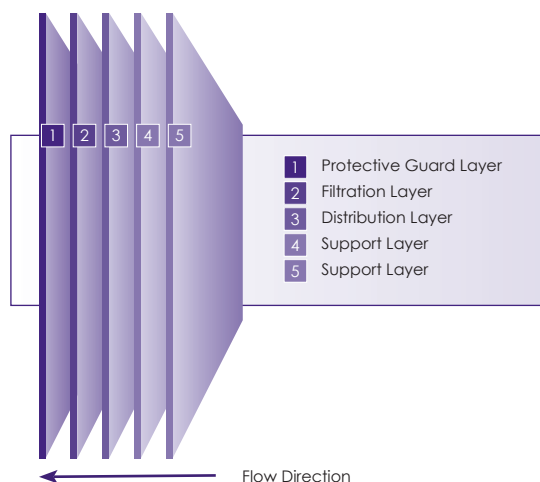
Standard Filter Plate Grades

Grade	Nominal Rating (microns)	Partical Control Mesh (wires per inch)	Nominal Thickness (inch (mm))
PSA-0005	5	325 x 2300	0.066" (1.68mm)
PSA-0010	10	200 x 1400	0.066" (1.68mm)
PSA-0015	15	165 x 1400	0.066" (1.68mm)
PSA-0020	20	165 x 800	0.066" (1.68mm)
PSA-0040	40	325 x 325	0.066" (1.68mm)
PSA-0075	75	250 x 250	0.066" (1.68mm)
PSA-0100	100	150 x 150	0.066" (1.68mm)

Flow Versus Pressure Drop



Sinterflo® MC Filter Plate Configuration



PFG644/Rev1/Oct25