

Sinterflo® F

Pleated Sintered Metal Fiber Filter Cartridges

This datasheet applies to the following product part numbers for the Sinterflo® F pleated sintered metal fiber filter cartridges:



- **Sinterflo F DOEP-XXXX-XX-XXX:**
Double open ended fitting
1" (26mm) internal diameter



- **Sinterflo F 222P-XXXX-XX-XXX:**
222 fitting
1.2" (30mm) internal diameter



- **Sinterflo F 226P-XXXX-XX-XXX:**
226 fitting
1.6" (40mm) internal diameter



- **Sinterflo F NP1P-XXXX-XX-XXX:**
1" NPT fitting
1" (26mm) internal diameter

- **Sinterflo F NP5P-XXXX-XX-XXX:**
1.5" NPT fitting
1.5" (38mm) internal diameter

- **Sinterflo F NP2P-XXXX-XX-XXX:**
2" NPT fitting
1.5" (38mm) internal diameter



Materials of Manufacture

316L stainless steel standard. 304L stainless steel, Inconel® 601, Hastelloy® X, NiCrMo Alloy 59 and FeCrAl Alloy available on request or by process selection.

Cartridge Dimensions (Nominal)

Diameter*:	2.6" (66mm) standard
Length*:	05: 5" (125mm)
	10: 10" (250mm)
	20: 20" (498mm)
	30: 30" (745mm)
	40: 40" (1012mm)

* Other diameters and non-standard lengths available on request.

Effective Filtration Area

1.40ft² (0.13m²) per 10" (250mm) cartridge.

Gaskets and O-Rings

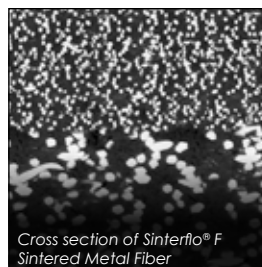
EPDM as standard. Nitrile, PTFE, Silicone, Viton® and PTFE coated Viton® available on request or by process selection.

Maximum Differential Pressure (with support)

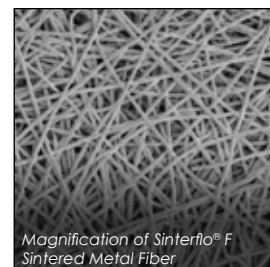
Normal flow direction:	367psi (25bar)
Reverse flow direction:	44psi (3.0bar)

Operating Temperature

Maximum continuous:	up to 644°F (340°C) seal limiting
	up to 1832°F (1000°C) alloy limiting



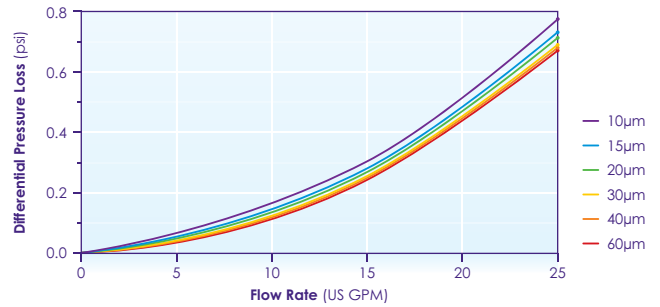
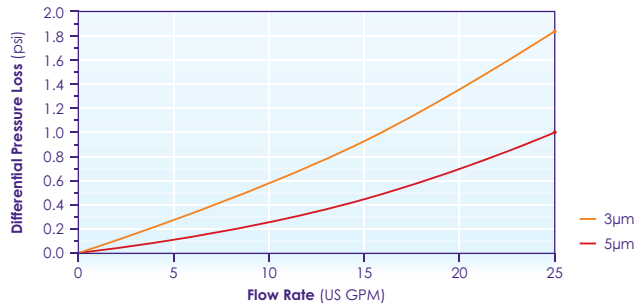
Cross section of Sinterflo® F Sintered Metal Fiber



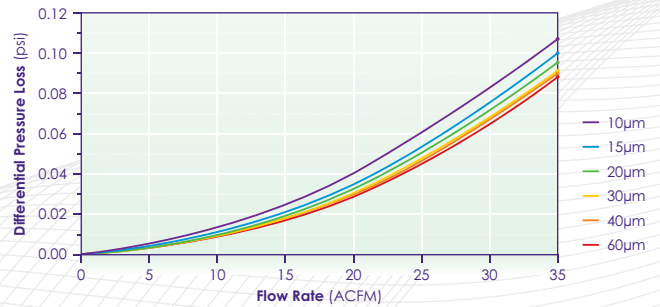
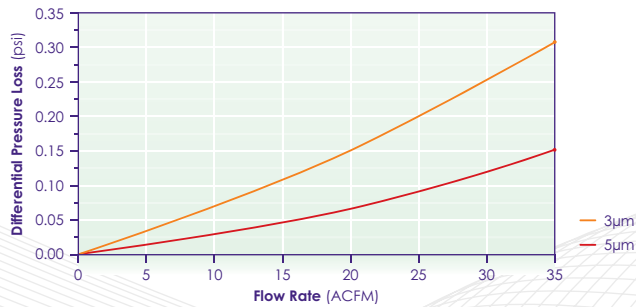
Magnification of Sinterflo® F Sintered Metal Fiber

Technical Specifications

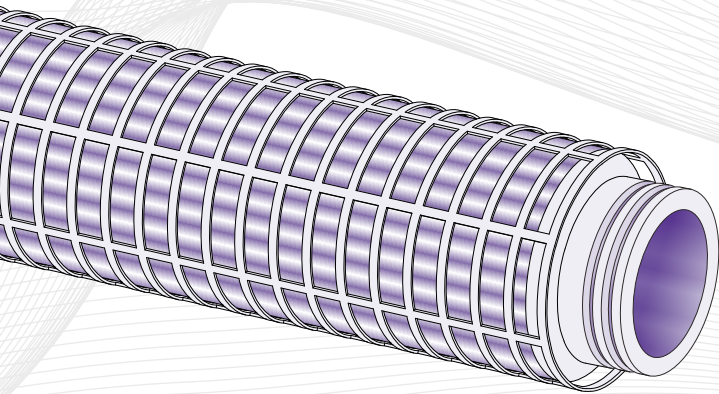
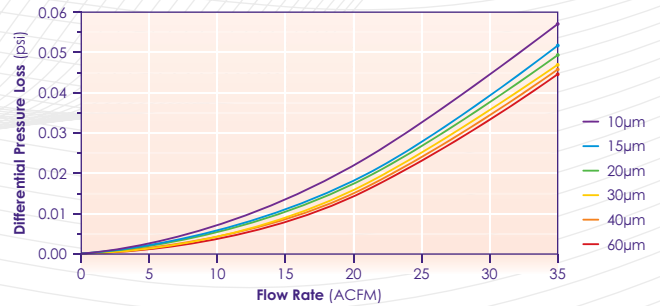
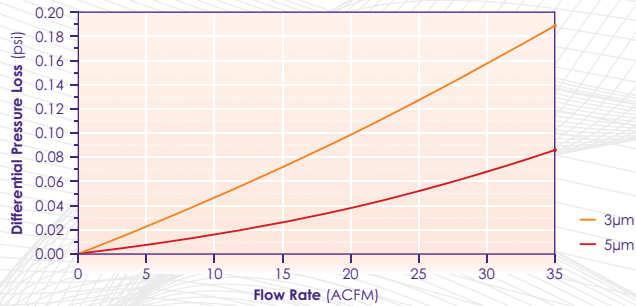
Typical Flow Rates in Water



Typical Flow Rates in Air



Typical Flow Rates in Steam



Particle Retention Rating

Micron Rating (micron code)	Liquids Rating* 98.00% (microns)	99.90% (microns)	Gas Rating 99.90% (microns)
0003	2	3	1
0005	3	5	1.5
0010	9	10	3
0015	11	15	4
0020	16	20	6
0030	22	30	8
0040	-	40	11
0060	-	60	16

* Single Pass Efficiency Test in accordance with ASTM795 ACFTD.

porvair
filtration group

Porvair Filtration Group Inc.

301 Business Lane
Ashland
Virginia 23005
USA

Tel: +1 804 550 1600

Fax: +1 804 550 3262

Email: infoUS@porvairfiltration.com

www.porvairfiltration.com

Porvair and Sinterflo are registered trademarks of Porvair plc.

Hastelloy is a registered trademark of Haynes International Inc.

Inconel is a registered trademark of Special Metals Corporation.

Viton is a registered trademark of DuPont Performance Elastomers L.L.C.

© Copyright 2013, Porvair Filtration Group Ltd. All rights reserved.

While every effort has been made to ensure the accuracy of this document, due to continuous product development, the data contained is subject to constant revision and Porvair Filtration Group Ltd. reserves the right to change, alter or modify its contents.