

Sinterflo® F

Cylindrical Sintered Metal Fiber Filter Cartridges

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



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



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



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



- **Sinterflo F NP1C-XXXX-XX-XXX:**
1" NPT fitting
1" (26mm) internal diameter



- **Sinterflo F NP5C-XXXX-XX-XXX:**
1.5" NPT fitting
1.5" (38mm) internal diameter



- **Sinterflo F NP2C-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

0.55ft² (0.05m²) per 10" (250mm) cartridge.

Gaskets and O-Rings

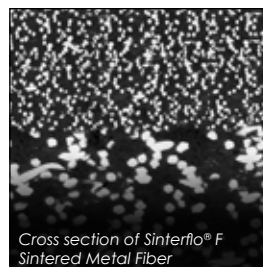
EPDM as standard. Nitrile, PFTE, Silicone, Viton® and PFTE coated Viton® available on request or by process selection.

Maximum Differential Pressure

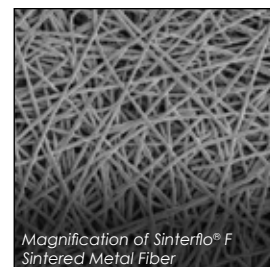
Normal flow direction:	367psi (25bar)
Reverse flow direction:	44psi (3.0bar)

Operating Temperature

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



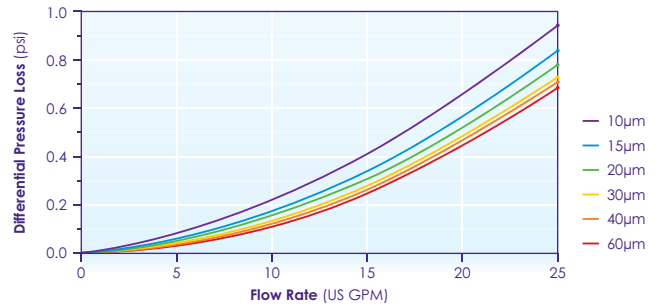
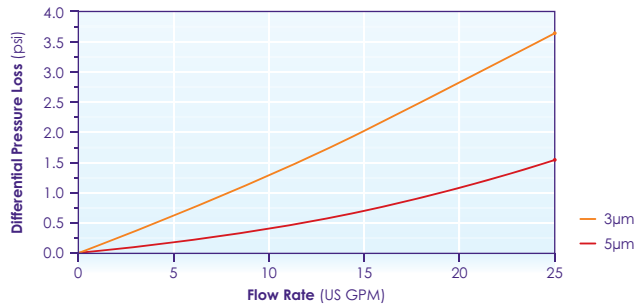
Cross section of Sinterflo® F Sintered Metal Fiber



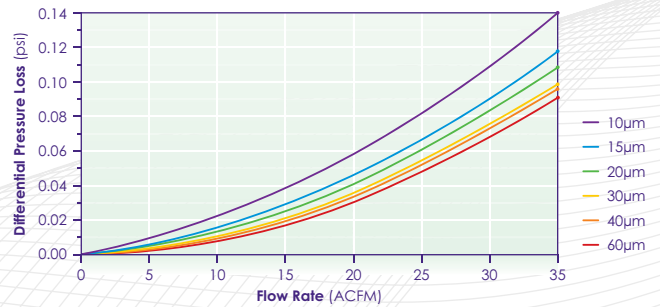
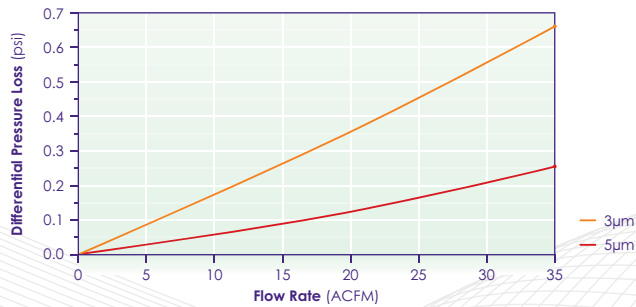
Magnification of Sinterflo® F Sintered Metal Fiber

Technical Specifications

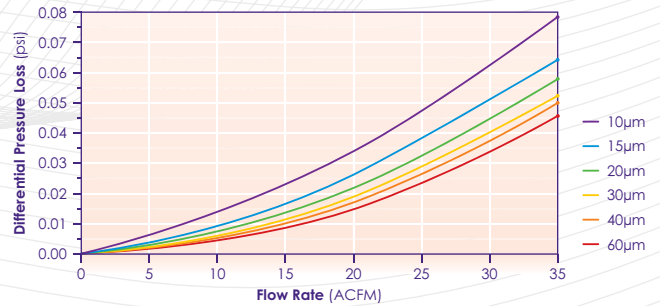
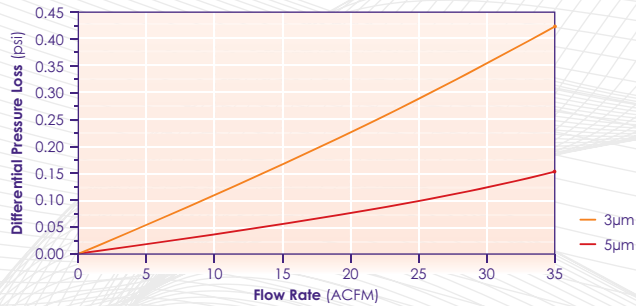
Typical Flow Rates in Water



Typical Flow Rates in Air



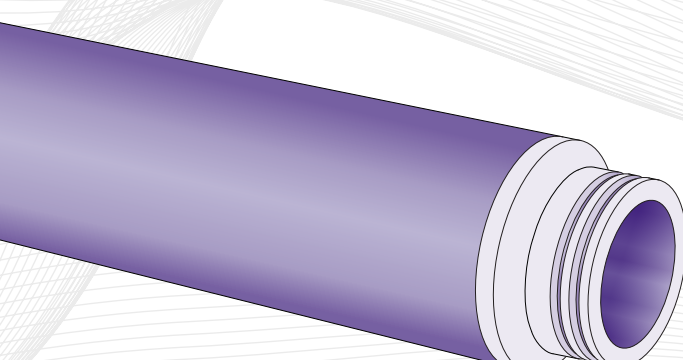
Typical Flow Rates in Steam



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.



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