

Sinterflo® M

Cylindrical Metal Mesh Filter Cartridges

This datasheet applies to the following product part numbers for the Sinterflo® M cylindrical metal mesh filter cartridges:



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



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



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



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

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

- **Sinterflo M NP2C-XXXX-XX-XXX:**
2" NPT fitting
1.5" (38mm) internal diameter



Materials of Manufacture

316L stainless steel standard. 304L stainless steel, Inconel®, Hastelloy® and Monel® 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

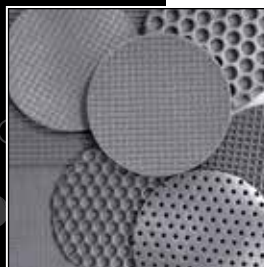
EPDM as standard. Nitrile, PTFE, Silicone, Viton® and PTFE coated Viton® available on request or by process selection.

Maximum Differential Pressure (with support)

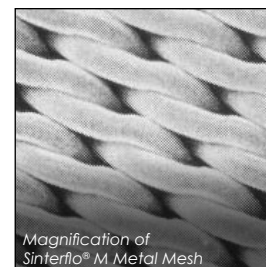
Normal flow direction:	367psi (25bar)
Reverse flow direction:	44psi (3.0bar)

Operating Temperature

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



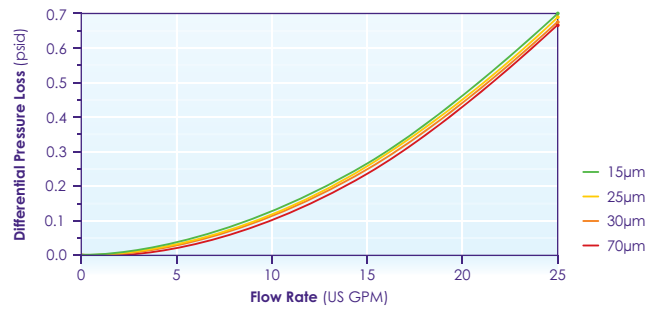
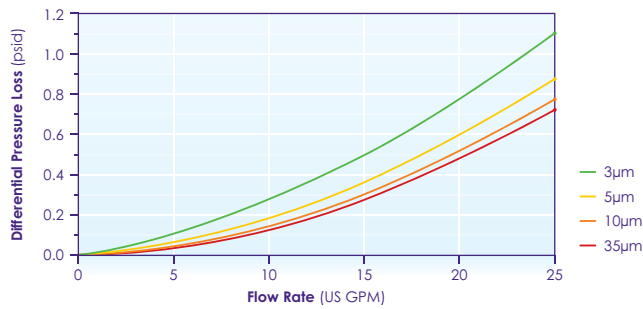
Cross section of Sinterflo M Metal Mesh



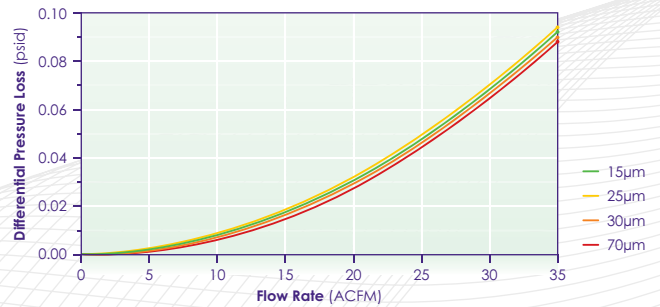
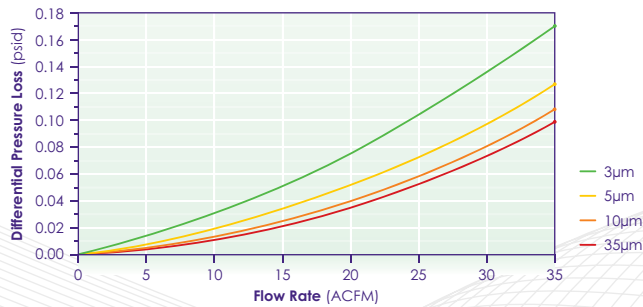
Magnification of Sinterflo M Metal Mesh

Technical Specifications

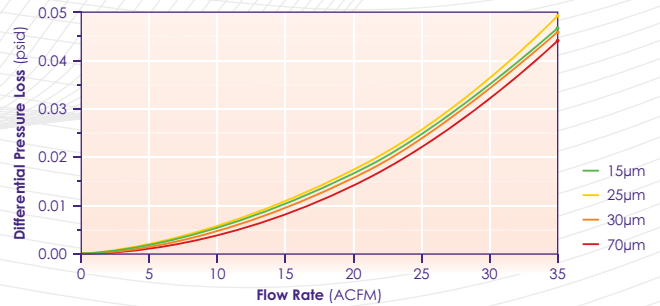
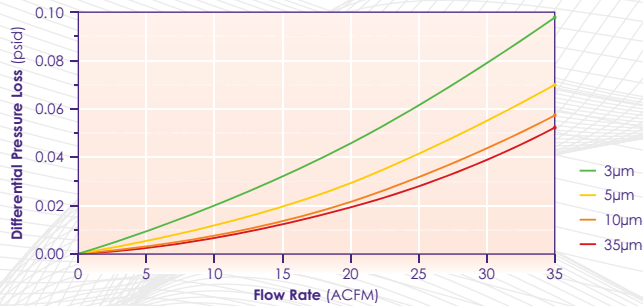
Typical Flow Rates in Water



Typical Flow Rates in Air



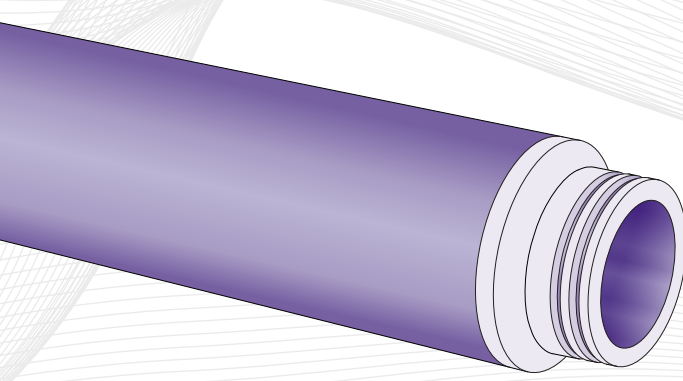
Typical Flow Rates in Steam



Particle Retention Rating

Micron Rating (micron code)	Liquids Rating 98.00% (microns)	99.90%* (microns)	Gas Rating 99.90% (microns)
0003	3	10	2
0005	5	18	13
0010	10	25	18
0015	15	35	25
0025	25	30	20
0030	30	40	30
0035	35	50	45
0070	70	75	60

* Hard spherical particle, maximum particle passed.



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