



Graver Technologies

FILTRATION | SEPARATION | PURIFICATION



Stratum® C Series Filter Cartridges

High Performance Filters

Product Specifications

Media: Polypropylene

End caps/Center Core: Polypropylene

Gaskets/O-Rings:

Buna-N, EPDM, Santoprene,
Silicone, Teflon Encapsulated
Viton (O-Rings only), Viton

Micron rating:

0.5, 1, 3, 5, 10, 20, 50, 75, 100 µm

Dimensions

Nominal lengths:

5", 9.75", 10", 19.5", 20", 29.25", 30", 39", 40"
(12.7, 24.8, 25.4, 49.5, 50.8, 74.3, 76.2,
99.1, 101.6 cm)

Outside diameter: 2.5" (6.35 cm),
2.63" (6.7 cm) End capped

Inside diameter: 1.0" (2.54 cm)

Operating Parameters

Maximum differential pressure:

150 psid @ 68°F (10.3 bar @ 20°C)

90 psid @ 150°F (6.2 bar @ 66°C)

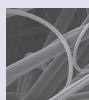
35 psid @ 176°F (2.4 bar @ 80°C)

Recommended change-out pressure:

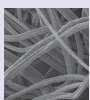
35 psid (2.4 bar)

Steam Sterilization:

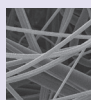
Stratum single open end style filters
may be autoclaved under no end load
conditions for 30 minutes at 121°C. Filters
should be cooled to normal operating
temperatures prior to use.



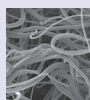
Outer pre-
filter zone



Inner pre-
filter zone



Final pre-
filter zone



Final filtra-
tion zone

For critical customer applications requiring precise and repeatable depth filtration, the Graver Stratum C series melt blown filters deliver exceptional performance. With a multi- zoned construction, true clarifying filtration is achieved with no unloading of captured contaminant.

FEATURES & BENEFITS

- Multi-zone melt blown depth filter with a true graded pore structure
- Thermally bonded fibers for high void volume and long on-stream life
- Available in precise 90% removal efficiencies from 0.5 to 100 microns
- 100% pure virgin polypropylene
- Molded center core for higher temperature and pressure capability
- Free of surfactants, binders and adhesives

CERTIFICATIONS

- USP Class VI: Meets USP Class VI Biological Test for Plastics
- FDA Listed Materials: All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.
- NSF 61: Certified to NSF/ANSI STD 61 for materials requirements only — Component
- European Directive for Direct Food Contact: European Regulation No. 1935/2004 and European Regulation 10/2011: Tested for migration behavior and is suitable for contact with all kinds of foodstuffs with minimal rinse-up. Data available upon request.

TYPICAL APPLICATIONS

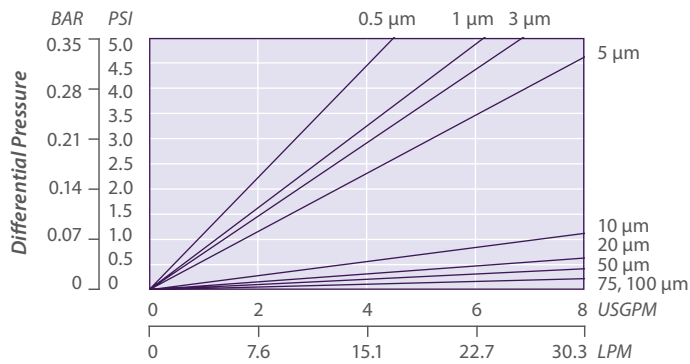
- Chemicals
- Food and beverages
- Plating
- Pharmaceuticals
- Water
- Cosmetics
- Paint/Inks
- Microelectronics

STRATUM C NOMENCLATURE INFORMATION

Product Series	Retention Rating (microns)		Nominal Length (inches)		End Configuration	Gasket or O-Ring
STC Series	0.5	20	-5	-29.25	P Double Open End (Hard Endcaps)	B Buna-N
	1	50	-9.75	-30	P2 226/Flat Single Open End	E EPDM
	3	75	-10	-39	P3 222/Flat Single Open End	N None
	5	100	-19.5	-40	P6 Self-Seal Spring on One End	S Silicone
	10		-20		P7 226/Fin Single Open End	T Teflon encap. Viton (O-Rings only)
					P8 222/Fin Single Open End	V Viton
					PX Extended Core	
					N None (Cut Ends)	
					DBG Direct Bond Santoprene Gaskets	
					AM Single Open End, Internal O-Ring	
Example: STC 5-10P3V						
STC	5		-10		P3	V

STRATUM C FLOW RATE

Typical Flow Rate Clean Water at Ambient Temperature
(per 10" cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

PERFORMANCE SPECIFICATIONS

Steam Sterilization

Stratum single open end style filters may be autoclaved under no end load conditions for 30 minutes at 121°C. Filters should be cooled to normal operating temperatures prior to use.



Certified to
NSF/ANSI/CAN 61

FOR MORE INFORMATION

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