



Graver Technologies

FILTRATION | SEPARATION | PURIFICATION



## 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)

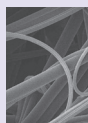
35 psid @ 176°F (2.4 bar @ 80°C)

**Recommended change-out pressure:**

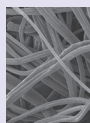
35 psid (2.4 bar)

**Steam Sterilization:**

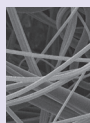
Stratum single open end style filters  
may be autoclaved under no end load  
conditions for 30 minutes at 121°C. Filters  
should be cooled to normal operating  
temperatures prior to use.



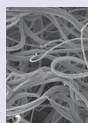
Outer pre-filtration zone



Inner pre-filtration zone



Final pre-filtration zone



Final filtration zone

# Stratum® C Series Filter Cartridges

## High Performance Filters

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, 177.1520 and 177.2600, 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.
- Paint Wetting Impairment Substances (PWIS)/Lackbenetzungsstörende Substanzen (LABS): filter media tested to VDMA 24364:2018-05 standards to ensure optimal paint adhesion.

## TYPICAL APPLICATIONS

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

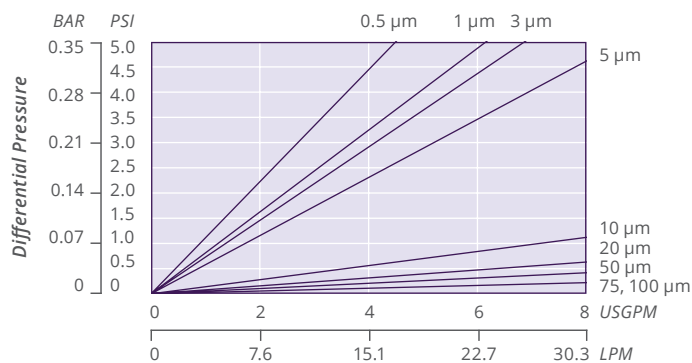
## STRATUM C NOMENCLATURE INFORMATION

Product Series	Retention Rating (microns)		Nominal Length (inches)		End Configuration		Gasket or O-Ring
STC Series	0.5	20	-5	-29.25 <sup>1</sup>	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 <sup>1</sup>	P3	222/Flat Single Open End	N None
	5	100	-19.5 <sup>1</sup>	-40	P5	222/Spring Single Open End	S Silicone
	10		-20		P6	Self-Seal Spring on One End	T Teflon encap. Viton (O-Rings only)
					P7	226/Fin Single Open End	V Viton
					P8	222/Fin Single Open End	
					P15	DBG/Spring Single Open End	
					P28	222 w/3 tabs/Fin Single Open End	
					PX	Extended Core (Cut Ends)	
					PX*	Flat Gasket/Flat Gasket w/Extended Core <sup>2</sup>	
					N	None (Cut Ends)	
Example: STC 5-10P3V					DBG	Direct Bond Santoprene Gaskets	
					AM	Single Open End, Internal O-Ring	
STC	5		-10		P3		V

<sup>1</sup>Not available in AM style <sup>2</sup>Need a gasket material for the \*

## 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

GTX-239 9-25

## DISTRIBUTED BY

Customer Service/Technical Support: 1-888-353-0303

China: +86-21-5238-6576 Asia: +65-9671-9966

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Graver Technologies | 200 Lake Drive, Glasgow, DE 19702 | 1-302-731-1700 | 800-249-1990

Fax: 1-302-369-0938 | info@gravertech.com | www.gravertech.com

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