



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 filtration 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

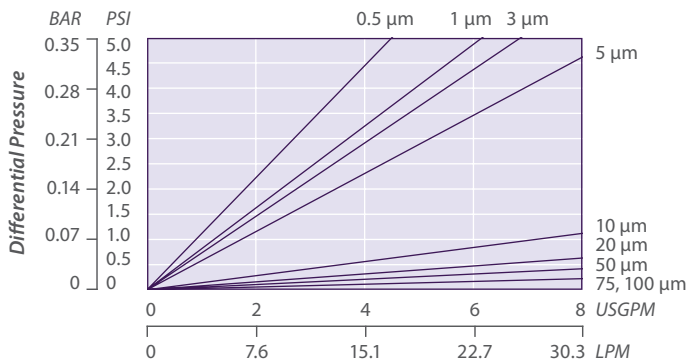
- Chemicals
- Food and beverages
- Plating
- Pharmaceuticals
- Water
- Cosmetics
- Paint/Inks
- Microelectronics

STRATUM C NOMENCLATURE INFORMATION

Product Series	Retention Rating (microns)		Nominal Length (inches)		End Configuration	Gasket or O-Ring		
	0.5	20	-5	-29.25				
STC Series	1	50	-9.75	-30	P	Double Open End (Hard Endcaps)	B	Buna-N
	3	75	-10	-39	P2	226/Flat Single Open End	E	EPDM
	5	100	-19.5	-40	P3	222/Flat Single Open End	N	None
	10		-20		P6	Self-Seal Spring on One End	S	Silicone
					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 Standard 61 for
materials requirements only.

COMPONENT

FOR MORE INFORMATION

Customer Service/Technical Support: 1-888-353-0303
Europe (UK): +44-1424-777791 | China: +86-21-5238-6576
Asia: +65-9635-7690

GTX-239 2-20



DISTRIBUTED BY

All information and recommendations appearing in this bulletin concerning the use of products described herein are based on tests believe to be reliable. However, It is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Graver Technologies as to the effects of such use or the results to be obtained. Graver Technologies assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations. Stratum is a trademark of Graver Technologies, LLC.



Graver Technologies | 200 Lake Drive, Glasgow, DE 19702 | 302-731-1700 | 800-249-1990
Fax: 1-302-369-0938 | info@gravertech.com | www.gravertech.com

A member of The Marmon Group—A Berkshire Hathaway Company