



Graver Technologies

Filtration | Separation | Purification

## Stratum™ C Series Melt Blown 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.

### Stratum Series 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 75 microns
- 100% polypropylene – FDA listed materials of construction
- All components meet USP Class VI criteria and are safe for use in pharmaceutical applications
- Molded center core for higher temperature and pressure capability
- Free of surfactants, binders and adhesives

### Filter Specifications

Media:	Polypropylene
End caps/center core:	Polypropylene
Gaskets/O-rings:	Silicone, EPDM, Buna N, Santoprene, Viton and Teflon encapsulated Viton (o-rings only)
Micron ratings:	0.5, 1, 3, 5, 10, 20, 50, 75

### Dimensions

Nominal lengths:	4, 5, 9.75, 10, 19.5, 20, 29.25, 30, 39, 40 inches (10.2, 12.7, 24.8, 25.4, 49.5, 50.8, 74.3, 76.2, 99.1, 101.6 cm)
Outside diameter:	2.5 in (6.35 cm)
Inside diameter:	1 in (2.54 cm)

### Operating Conditions

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 changeout differential pressure:	35psid (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.



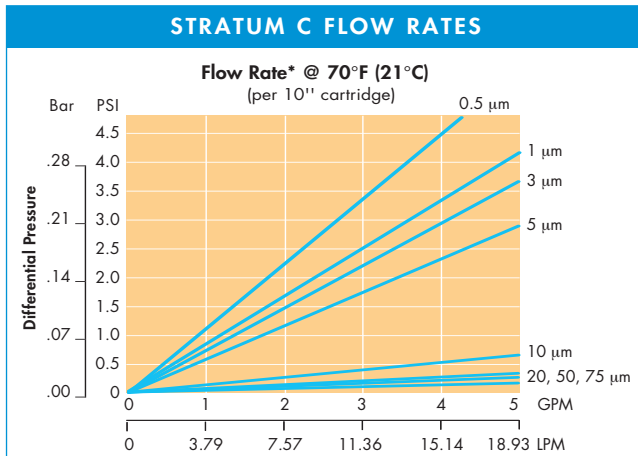
### Applications

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

## Stratum C Series Nomenclature Information

STC	5	-10	P3	V
<b>Product Series</b>	<b>Retention Rating (microns)</b>	<b>Length (inches)</b>	<b>End Configuration</b>	<b>Gasket or O-Ring</b>
STC - Stratum C Series	0.5 1 3 5 10 20 50 75	4 5 9.75 10 19.5 20 29.25 30 39 40	<b>P</b> Double Open End (hard endcaps) <b>P2</b> 226/Flat Single Open End <b>P3</b> 222/Flat Single Open End <b>P6</b> Self-Seal Spring on One End <b>P7</b> 226/Fin Single Open End <b>P8</b> 222/Fin Single Open End <b>PX</b> Extended Core <b>N</b> None (Cut Ends) <b>DBG</b> Direct Bond Santoprene Gaskets <b>AM</b> Single Open End, Internal O-Ring	<b>S</b> Silicone <b>B</b> Buna-N <b>E</b> EPDM <b>V</b> Viton <b>T</b> Teflon encap. Viton (O-Rings only) <b>N</b> None

Example: STC 5-10 P3V



Note: For chemical compatibility, flow rates, and temperature requirements please consult the factory or your local Graver distributor.

### For more information

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