



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
- Certified to NSF/ANSI 61 as drinking water system components*

Filter Specifications

| | |
|-----------------------|--|
| Media: | Polypropylene |
| End caps/center core: | Polypropylene |
| Gaskets/Orings: | 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



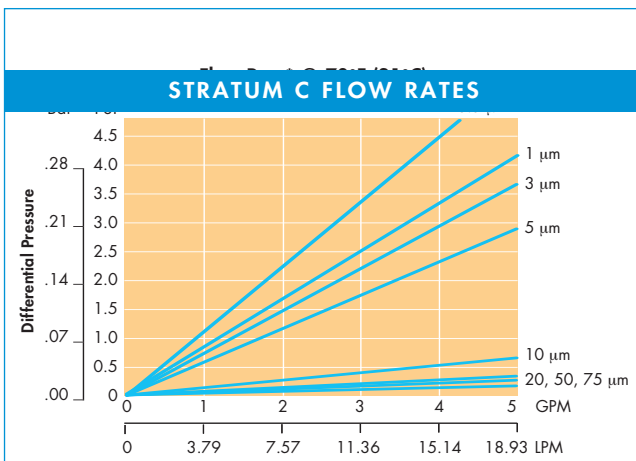
Certified to
NSF/ANSI 61

*NSF61 applies to NN, P6 and PX styles only

Stratum C Series Nomenclature Information

| STC | 5 | -10 | P3 | V |
|------------------------|--|---|--|--|
| Product Series | Retention Rating (microns) | Length (inches) | End Configuration | Gasket or O-Ring |
| 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 | P Double Open End (hard endcaps) P2 226/Flat Single Open End P3 222/Flat Single Open End P6 Self-Seal Spring on One End P7 226/Fin Single Open End P8 222/Fin Single Open End PX Extended Core N None (Cut Ends) DBG Direct Bond Santoprene Gaskets AM Single Open End, Internal O-Ring | S Silicone B Buna-N E EPDM V Viton T Teflon encap. Viton (O-Rings only) N None |

Example: STC 5-10P3V = Stratum C filter, 5 micron, 10 inches, 222/Flat Single Open End, Viton



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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