



Graver Technologies

Filtration | Separation | Purification

# Stratum™ A Series Melt Blown Filter Cartridges

## Absolute Rated Melt Blown Filters

Stratum A Series melt blown depth filters deliver 99.9% efficiency at the stated micron for the most demanding applications. By utilizing ultra fine fibers and controlled thermal bonding, the Stratum A series retains captured contaminant even at higher differential pressures.

## Stratum Series Features - Benefits

- Absolute retention ratings from 0.5 to 70 microns
- Multi-zone melt blown depth filter with a graded pore structure for maximum dirt holding capacity
- Thermally bonded fibers for high void volume and long on-stream life
- Lot traceable filters come with certificate of conformance.
- 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, 30, 50, 70

## 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:	?
Recommended changeout differential pressure:	3.5psid (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

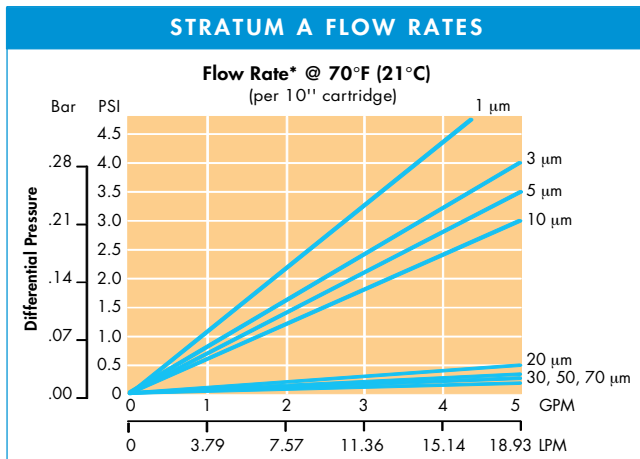
## Filter Removal Efficiency

Micron Rating Beta Ratio	99.9% Beta 1000	99% Beta 100	90% Beta 10
0.5 micron			
1 micron	1.4	1.0	.7
3 micron	3	2.3	1.4
5 micron	5	4.0	2.7
10 micron	10	7	4
20 micron	20	15	12
30 micron	30	20	14
50 micron	50	34	25
70 micron	70	50	39

## Stratum A Series Nomenclature Information

STA	0.5	-30	N	N
<b>Product Series</b>	<b>Retention Rating (microns)</b>	<b>Length (inches)</b>	<b>End Configuration</b>	<b>Gasket or O-Ring</b>
STA - Stratum A Series	0.5 1 3 5 10 20 30 50 70	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: STA 0.5-30 NN



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



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