



Super-Micron Depth Filter Cartridge

The Super-Micron depth filter cartridge is two-layers structure cartridge with fine fibers in inner layer and coarse fiber in outer layer in order to filtrate different diameter of dust in different layers. This design has high contaminant holding capacity, which also ensures a longer service life and lower pressure drop.

Features & Benefits

- Two-layers structure cartridge, high contaminant holding capacity, longer filter service life.
- 100% PP for compatibility with a wide range of process fluids.
- Macro-denier melt-blown filtration fiber, high removal ratings.
- Formed by thermal bond without use of any binders and adhesives.
- Certified by NSF42 and FDA CFR Title 21.
- In compliance with EU Directive 2002/72/EC for plastic in food contact.

Operating Conditions

- Maximum operating forward pressure:
 - 80°C: 1.2 kg/cm²
 - 60°C: 2.1 kg/cm²
 - 20°C: 4.2 kg/cm²
- Recommended replaceable pressure drop: 2.1 kg/cm²
- Maximum operating temperature: 80 °C

Applications of product

- Filtration of cooling water system in semiconductor industry (PCW).
- Filtration of CMP Slurries.
- Pre-filtration of DI water filtration.
- Filtration of medium & low viscosity chemical fluids.
- Filtration of process water and recycled water.
- Filtration of paint in panel painting industry usage.

Product specifications

- Micron ratings: 0.5 micron, absolute 1, 3, 5 micron
- Material of construction: 100% melt-blown micro-denier PP fiber
- Length: 9.87", 10", 20", 30", 40"
(251 mm, 254 mm, 508 mm, 762 mm, 1016 mm)
- Inner diameter: 28 mm
- Outer diameter: 63 mm



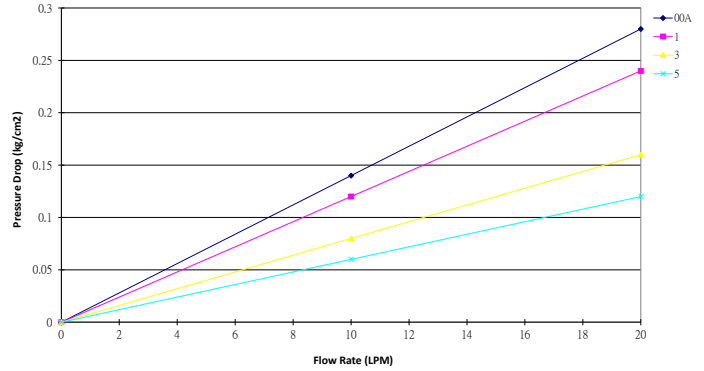
STK Super-Micron Depth Filter Cartridge

Retention vs. Particle Size

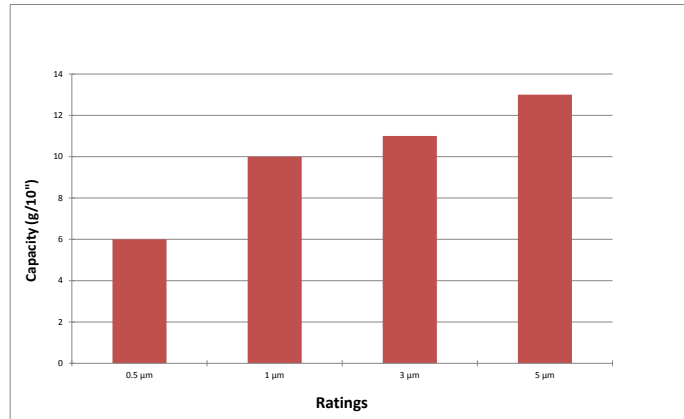
spec.	2 micron	3 micron	5 micron	10 micron
SM00A	>99.9	>99.9	>99.9	>99.9
SM001	99.5	>99.9	>99.9	>99.9
SM003	97.3	>99.9	>99.9	>99.9
SM005	95.2	97.1	>99.9	>99.9

*ISO 12103-1, A3 Medium Test Dust

Initial Pressure Drop



Capacity of Dust



Ordering Information

