



U.S. Air Filtration, Inc.

Nanofiber media is the most advanced filtration technology developed for media going into pleated cartridge element for use in U.S. Air Filtration dust collectors.

The Nanofiber process has the finest fibers and highest MERV rating in the industry. Nanofiber Technology will increase efficiency, reduce emissions and lengthen filter service life in your U.S. Air Filtration brand dust collector.

Nanofiber Technology

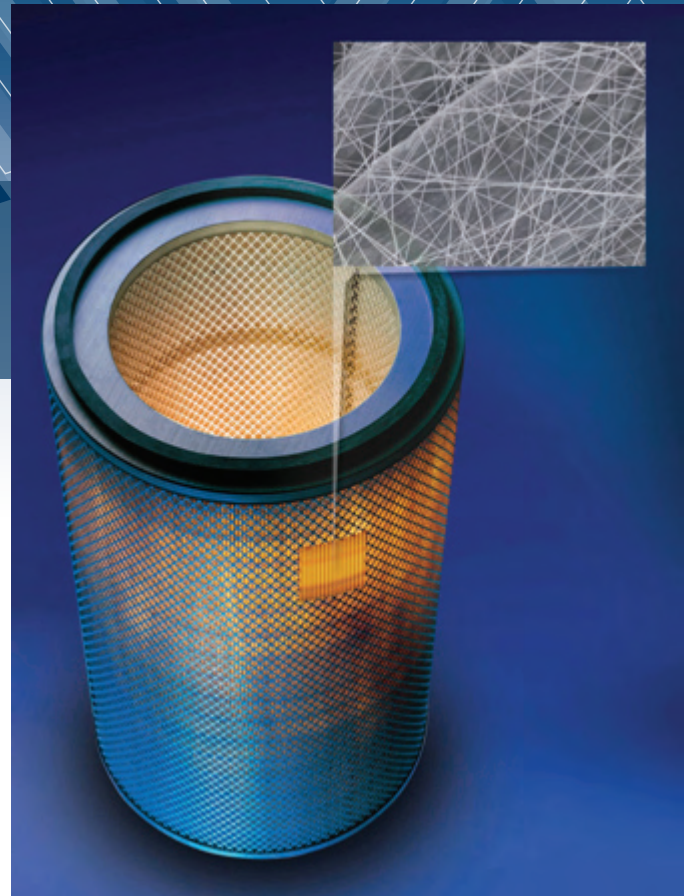
Features & Benefits

The industry's smallest available fibers provide the best available filtration efficiency on sub-micron particulate.

It does this by creating a surface loading ability on the cartridge to keep the filtered dust on the outer surface of the filter, therefore creating a much greater dust cake and higher efficiency.

This also allows the filter to reach peak efficiency much quicker than a standard media filter.

Since all barrier filters start out clean at their lowest efficiency rating; this is an important feature to remember at start up of any dust collection system.



Nanofiber technology outperforms all other media in the collection of dust particulate, operating cost, and emissions standards.

Clearing the Air for a Cleaner Environment

NanoFiber Technology

Clark Filter is manufacturing ProTura[®], the most advanced Nanofiber filtration technology media and pleated cartridge elements for use in U.S. Air Filtration dust collectors.

NanoFiber technology outperforms all other media in the collection of dust particulate, operating cost, and emissions standards.

Standards & Results

- The industry's smallest available fibers provide the best available filtration efficiency on sub-micron particulate - MERV 15
- 51% more efficient than UltraWeb[®]
- More fibers = better surface loading
- Unmatched release properties will offer reduced cleaning cycles
- Saves compressed air & energy costs
- Reduced outlet emissions = cleaner air
- Less pulsing & stress = longer filter life
- Reduced downtime
- Fewer filter changes = lower disposal cost

Independent lab tests show that our filters outperform all others in their ability to capture particulate and release it when necessary. Our nanofiber cartridges have a MERV 15 rating based on a ASHRAE test standard. Nanofiber technology is more than 50% more efficient on a 0.3 -1.0 micron particulate than any other cartridge membrane. We stand behind the performance of our products and challenge you to put us to the test with your environment needs.

Cartridge Filter Media Comparison

Media Type	Part # Sq. Ft.	Media	Construction
Nanofiber	I30117	254	Inner & Outer Expanded Metal Screen
Nanofiber w/ Fire Retardant	I30119	254	Inner & Outer Expanded Metal Screen
80/20 Cellulose Poly Blend w/ Fire Retardant	I30107	254	Inner & Outer Expanded Metal Screen
Spun Bond Polyester	I30109	120	Inner Expanded Metal Screen, Outer Bands
Spun Bond Polyester w/ PTFE Membrane	I30113	120	Inner Expanded Metal Screen, Outer Bands



Clearing the Air for a Cleaner Environment