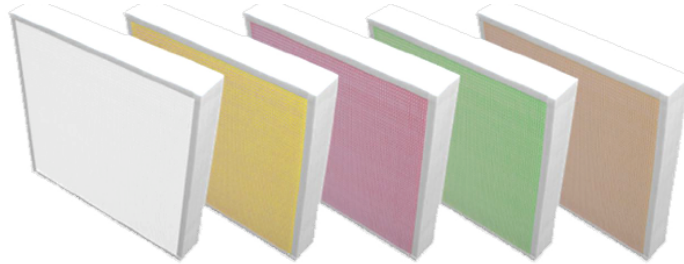




2" Mini Pleat

**THE FULLY SYNTHETIC
SOLUTION TO YOUR
FILTRATION NEEDS**



DESIGN...Our 2 inch Mini Pleat Panel filters feature synthetic microfiber media with a 3-dimensional, progressive design for optimum dust holding capacities. The media contains nanofibers which are uniquely integrated into the filter media to capture the smallest particles. All our fibers are produced in a solvent free, melt-based and environmentally friendly proprietary process and do not contain any chemicals. The endless synthetic fibers are highly damage resistant and produce a filter unlike other synthetic and fiberglass filters that is totally non-shedding.



- ✓ Superior media and compact size
- ✓ Fewer filter changes
- ✓ Wide range of efficiencies
- ✓ Outstanding pleat stability
- ✓ Improved frame rigidity
- ✓ Low storage and shipping costs
- ✓ Waterproof construction
- ✓ Helps to meet LEED criteria

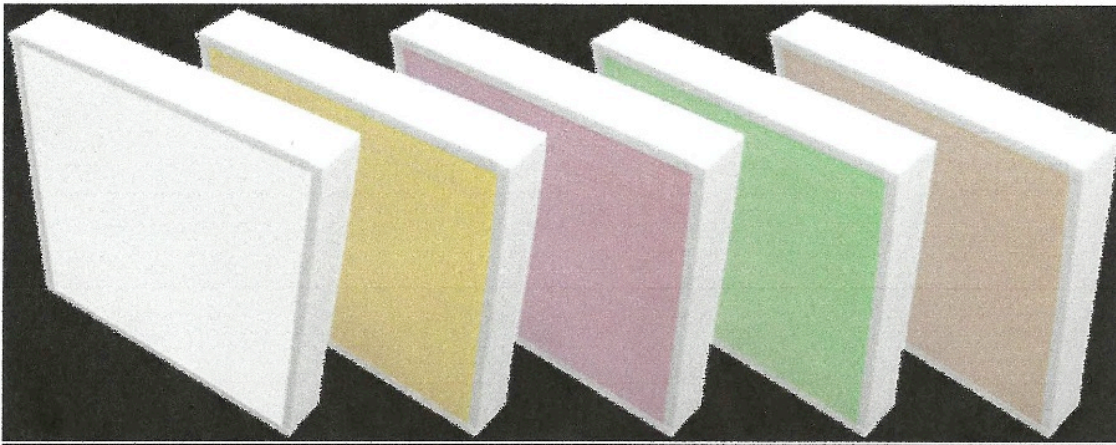
The Synthetic Mini Pleat Panel Filters give you an incredible amount of media area having 4 to 5 times the area of most pleated filters of the same size. Together with being 100% waterproof and having industry leading product rigidity and blow out strength you will experience superior air quality and long service life. Our filters are built to last and perform even in the toughest applications.

ADVANTAGES OF OUR ECO SMF PREFILTERS & INTAKE FILTERS:

1. Customers have been looking for this product for years.
2. These filters are 100% water resistant.
3. These filters are able to be completely incinerated eliminating your customers solid waste stream.
4. These filters will reduce labor costs from repetitive change outs caused by inclement weather.
5. Less change outs means less down time and more through put power.
6. We are averaging between 2 & 6 times the life of a standard pleated panel in different applications and environments.
7. MERV efficiencies from 11-16 gives a higher level of protection for your cartridge and pocket filters thereby extending their life as well.
8. Our media is strong enough to stand on and will not lose its shape over time.
9. Lower initial DP results in greater through put power with lower fuel costs!
10. Return on Investment = You WIN!

FRAME TECHNOLOGY:

Frame material for the frame is rigid polypropylene foam board. It is waterproof, impact resistant, resistant to most chemicals, and will not rust or corrode. The rigid foam board is formed into a U-channel and wrapped around the perimeter of the media pack. Media packs and frame components are bonded together with a waterproof thermo-plastic adhesive. Neither the adhesive nor the frame parts are affected neither by water nor by nature and does not support the growth of microbial organisms such as bacteria, mold, fungi, etc.



MINI-PLEAT TECHNOLOGY:

The pleat pack is fabricated from 100 % polypropylene media. Continuous polypropylene spacer beads are thermally bonded to both sides of the media. Spacer beads are 3/8 of an inch apart for media support and are color coded to identify the efficiency grade. Pleat tips and spacer beads are thermally formed with controlled spacing to produce a strong aerodynamic shape. This controlled spacing promotes the diffusion of air properly over the entire face of the pleated surface. This pleating process produces a revolutionary Mini-pleat pack engineered for the most demanding applications. A Mini-pleat pack with amazing durability, low aerodynamic pressure loss and virtually waterproof qualities. There are no binders used in the media or spacer beads and therefore there is nothing to promote microbial growth such as bacteria, mold, fungi, etc.

THE DIFFERENCE: A filter that pays for itself:

What sets us apart from competing filters is the ability to meet or exceed industry air standards over a longer period of time without adding the air flow resistance common in competing filters.

Typically, air flow resistance increases when dust and other particles build up at the surface. Filters that are artificially-enhanced with static electricity have been shown to attract dust at the surface. Not only does the rapid build-up of dust reduce the effectiveness of the filter (by reducing the surface area of the electrostatic charge), the dust build-up also causes airflow resistance that result in increased energy costs.

The three-dimensional structure of the media fiber means that your mini-pleat filter will have a high dust hold capacity, but will not seal up like filters that collect particles on the surface.

SETTING INDUSTRY STANDARDS:

Our Synthetic filtration products were the first filtration products to be certified by NAFA and among the to be verified by EPA?ETA for efficiency of BIOAEROSOL Removal in HVAC Systems and effectiveness in preventing the spread of ANTHRAX and other Biological contaminants in the event of a Bioterror attack.

