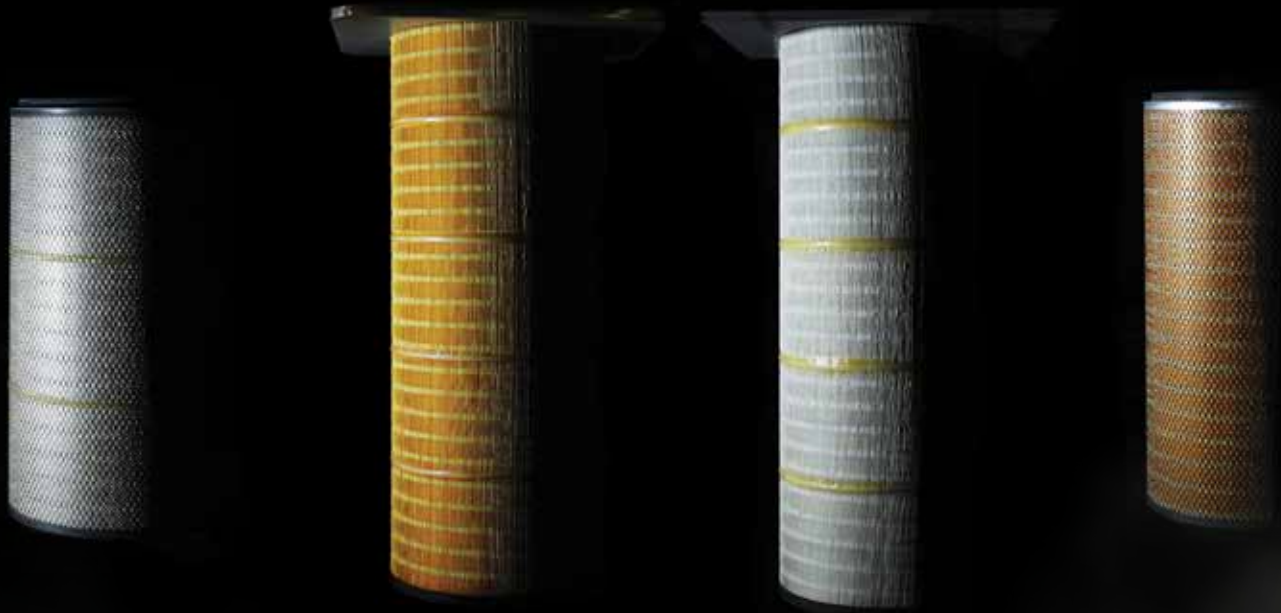


DELTA^ΔMAXX™

BEST • FILTERS • PERIOD



CARTRIDGE



BEST APPLICATION:

Fumes
Powder
Dust
Silica
Grain
Seed
Sawdust

Very Fine Dust

TYPICAL
PLEATS



HYBRID

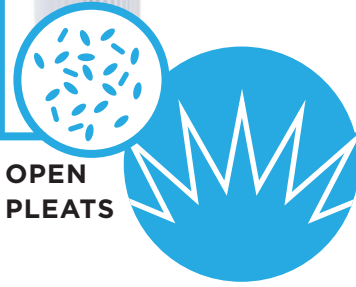


BEST APPLICATION:

Grain
Seed
Sawdust
Food

Medium Dust

OPEN
PLEATS



FILTER BAG

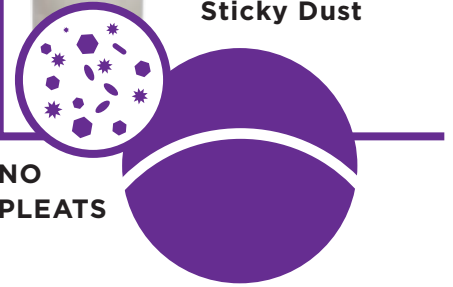


BEST APPLICATION:

Food
Feed
Coarse
Heat
Fiber
Sticky

Large or
Sticky Dust

NO
PLEATS



CARTRIDGE MEDIA MATERIAL

DELTA^ΔMAXX[™]
80/20 CELLULOSE/
POLYESTER

MERV 10
3 - 1 Microns



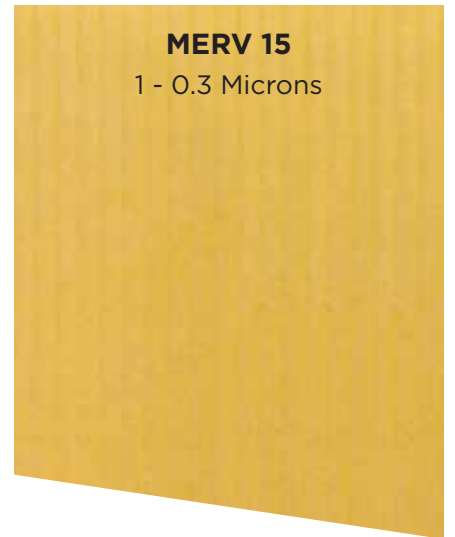
DELTA^ΔMAXX[™]
80z SPUNBOND
POLYESTER

MERV 11
3 - 1 Microns



DELTA^ΔMAXX[™]
NANOFIBER

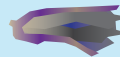
MERV 15
1 - 0.3 Microns



Human Hair Thickness
= 80-100 Microns



Pollen
= 30 Microns



Household Dust
= 10 Microns



Pet Dander
= 5 Microns



Weld Fume Particle
= 1 Micron

40 Microns

Invisible to the human eye

0.3 Microns

UP TO TWICE THE FILTER LIFE

Most Advanced Nanofiber Technology

The Nanofiber surface stops sub-micron particles from entering and becoming embedded into the media beneath the Nanofiber

Reduced Dust Collector Operational Costs

Lower Operational Mass Emissions

Less Pulse Cleaning

Dust is easily pulsed off of the Nanofiber media because it remains on the surface

Industry's Best Surface Loading Technology

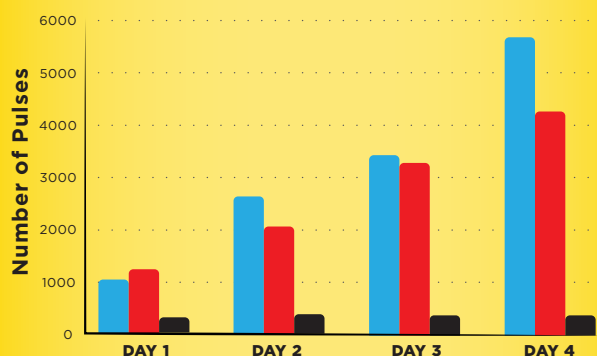
Enhances dust cake release, leading to longer filter life

Nanofiber
2000x
Zoom

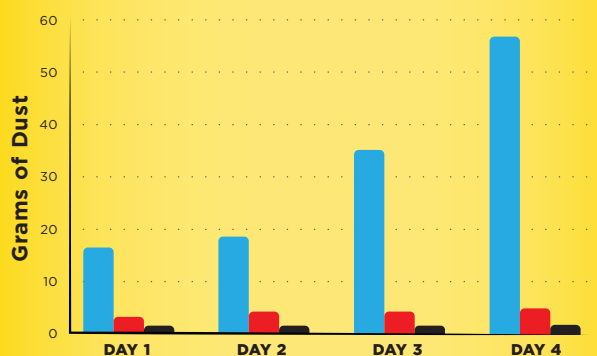


FILTER EFFICIENCY

THE LESS PLUSES THE BETTER



THE LESS EMISSIONS THE BETTER



Cellulose Blend
325²ft



Meltblown
325²ft



DeltaMAXX Nanofiber
350²ft

SUMMARY OF RESULTS

	CELLULOSE BLEND 325 SQ. FT.	MELT BLOWN 325 SQ. FT.	DELTAMAXX NANOFIBER 350 SQ. FT.	
EMISSIONS				
Total Emissions	126,735	11,825	2,560	mg
Average Emissions/Hour	1,320	123	27	mg/hour
Emissions Before 1st Pulse	185	10	10	mg
Average Emission/Pulse	9.84	1.09	1.65	mg/pulse
PULSE CLEANING				
Time to First Pulse	1:40	1:07	1:01	hours
Total Number of Pulses	12,861	10,874	1,545	pulses
Average Pulses/Hour	134	113	16	pulses

FIRE RETARDANT FILTERS

WHAT MAKES A FILTER FIRE RETARDANT?

To make our FR filters, the filter media runs through a bath of a special coating. After its dipped in this solution, the media dries and then gets pleated and made into filters. This process makes sure that the fire retardant coating completely covers all of the filter media.

As you can see in our test photos below, our FR filters resist fire even when a flame is applied directly to it. If they can stand up to this treatment, you can be confident that they will resist sparks and fire in your application.

FIRE-RETARDANT OR REGULAR NANOFIBER?

Not all applications require an FR filter.

Some applications where FR is recommended:

- Any type of metal dust or fume
- Any process that generates sparks
- Any dust that is highly combustible

As you can see below, a filter without the FR coating won't hold up very well when exposed to flame:



FR vs NON-FR

BEFORE

AFTER

DUST COLLECTOR FIRES

Dust collector fires happen all the time. Our service team has been on-site in the aftermath of these fires, and what they pull out of the collector is this: burned-up filters that fueled the fire instead of controlling it. Burning filters inside your collector doesn't just waste a set of filters; you can have serious (and expensive) damage to your collector. As you can see in our test, a spark or flame that gets into a collector has less of a chance with FR filters getting them to burn. FR filters help stop a collector fire instead of acting as fuel.

OVERBAGS

Nylon Mesh Overbags are used to keep large, fibrous dust or lint and debris out of the filter pleats. Improves filter life and protects filters from damage.

Overbags are easy to install and attach to the filter using a bungee cord and zip-tie.



**“DeltaMAXX filters
have exceeded
our expectations
on what to expect
regarding filter
quality and
pricing.”**

– Donnie B., Major Metal Fabrication Industry



DeltaMAXX Filters

DeltaMAXX Dust Collector Cartridge Filters are manufactured for all makes and models of cartridge dust collectors.

Regardless of the nature of your dust collection and air pollution control application, Imperial Systems Inc. has the answer for all of your cartridge filtration needs.

Imperial Systems CMAXX

Donaldson Torit

Farr APC

Robovent

Lincoln Electric

Messer

AAF

UAS

Airflow Systems

Flex-Kleen

MAC

Micro Air

Pneumafil

Sly

Steelcraft

Trion

Avani

Plymovent

& more...



SERVICE MAXX

USE THE DUST COLLECTION EXPERTS

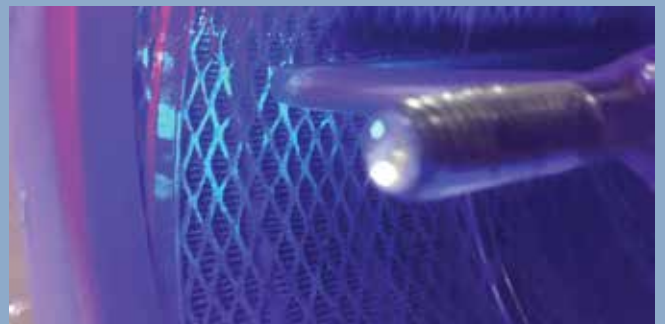
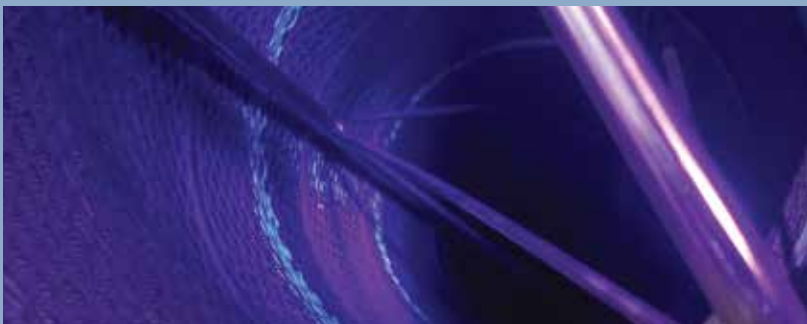


FILTER SERVICE & TROUBLESHOOTING

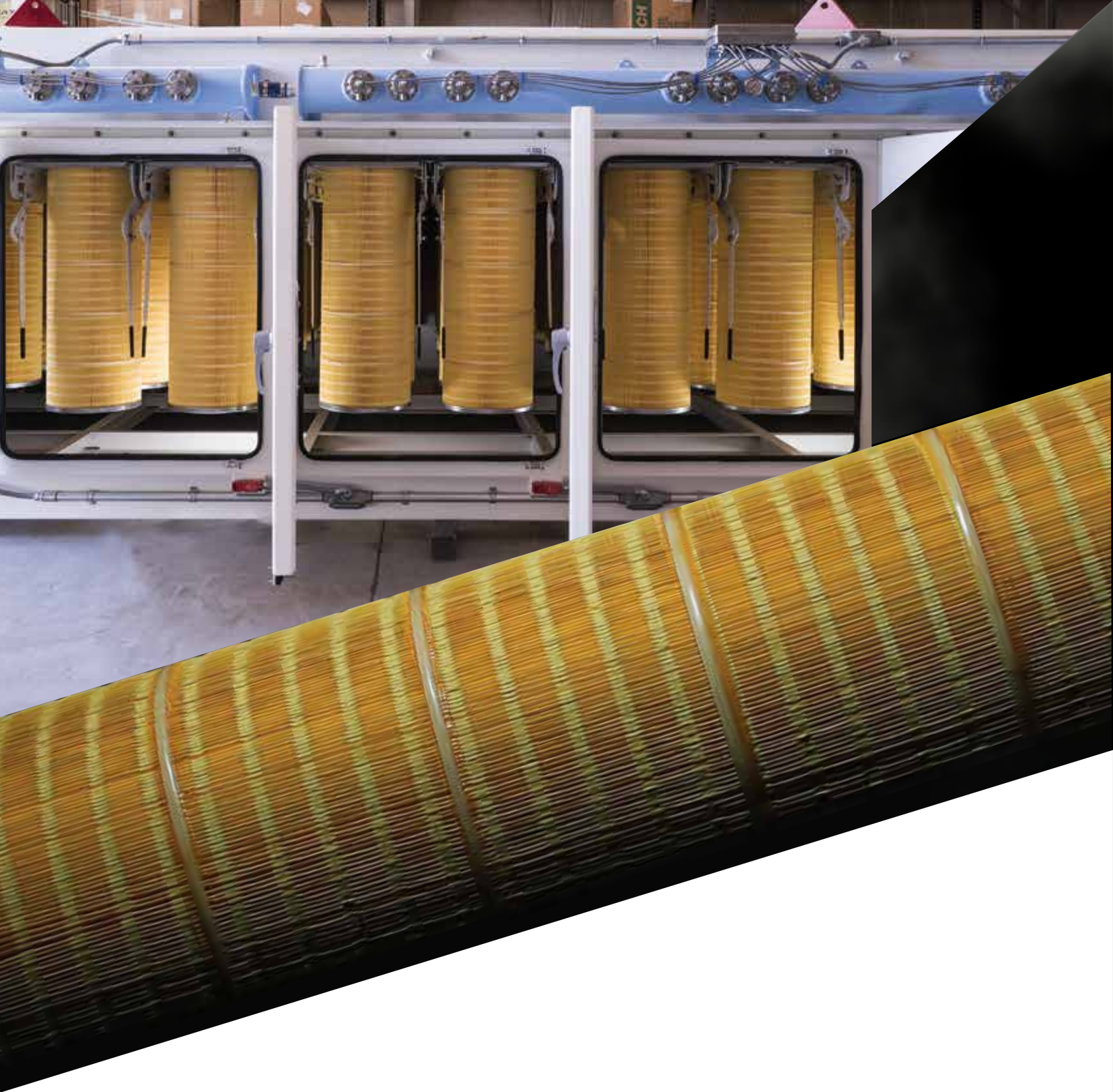
- **System Inspection**
- **Cartridge Filter Change-out**
- **Baghouse Filter Change-out**
- **Preventative Maintenance**
- **System Balance**
- **Dye Testing**

INSPECTION

There's a major advantage to having professionals do your filter changes for you. Our ServiceMAXX team doesn't just change filters. They also inspect them, check for leaks or other problems, conduct dye testing, and make sure your system is working properly. Having the ServiceMAXX team change your filters means that if there is a problem, you've already got exactly the right people there to identify it and fix it.



To discover a filter leak ServiceMAXX runs a Dye Test. The dye will glow under a UV light.



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