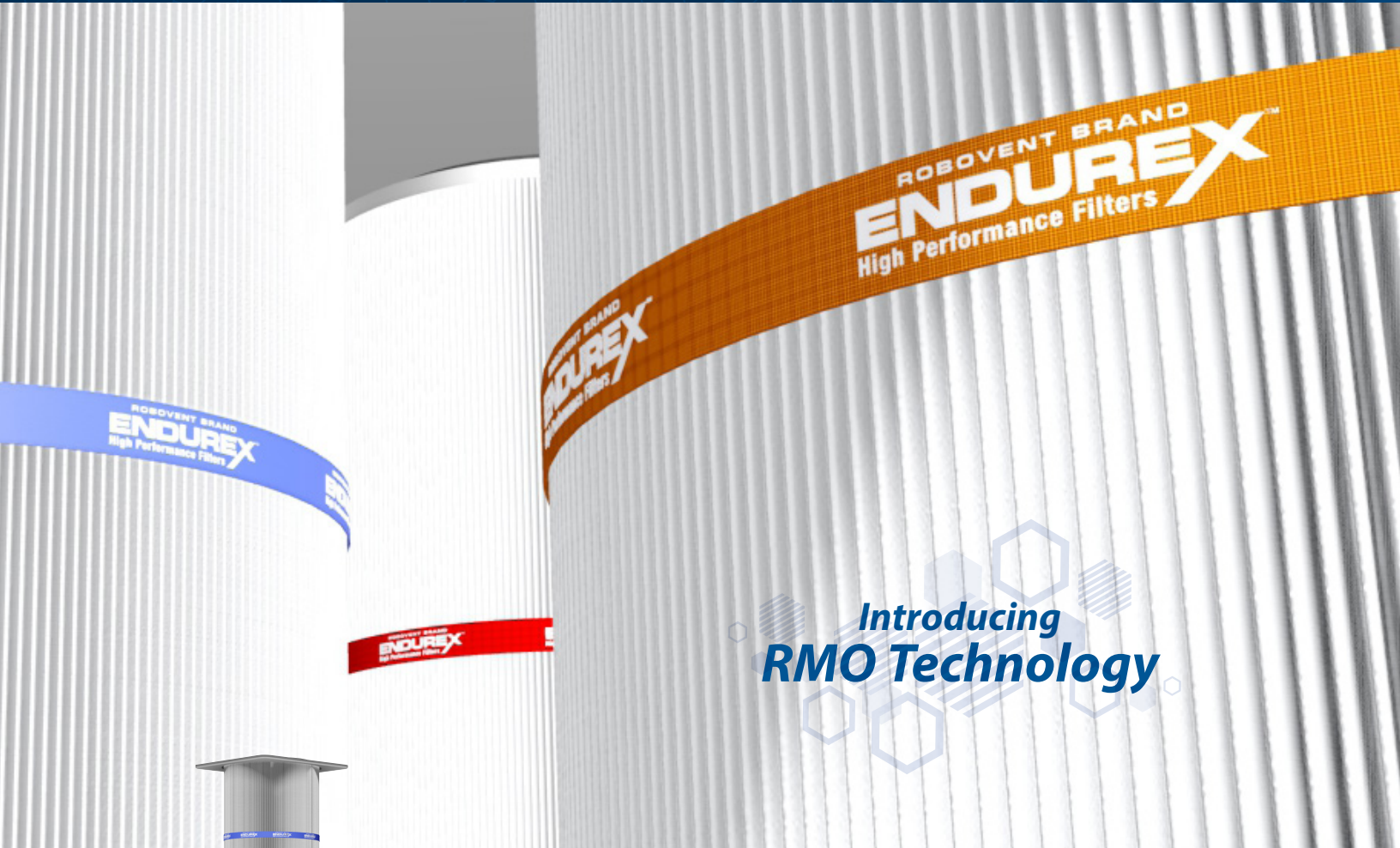
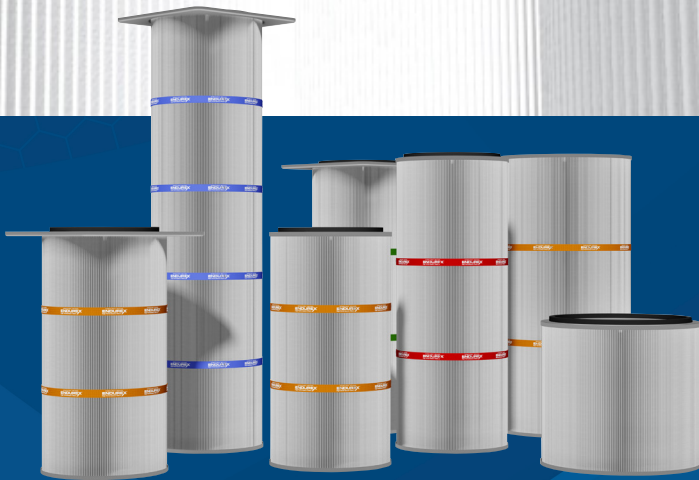


RoboVent[®]

Endurex High Performance Filters



**Introducing
RMO Technology**



**Engineered for Longer Life.
Guaranteed Cleaner Air.**

The Smarter Choice.

The Smarter Choice

In the crowded market of cartridge filters, what makes Endurex unique, and why?

- Pleat spacing ensures all filter media is used, and superior particulate release, resulting in longer life.
- Lower static pressure means less electricity and compressed air used, resulting in energy savings.
- Longer filter life means less filter change outs – not only does this save money by reducing filter replacement costs, but reduces environmental impact with less product ending up in landfills.

Quality Construction

To guarantee filter performance, Endurex RMO filters have been re-engineered to maximize efficiency while reducing static pressure. Here's how:

The gasket on Endurex filters is made of pliable polypropylene material that is non forming for a perfect air tight seal.

UltraSeal technology ensures superior construction. Fast curing urethane adheres top pan and media quickly and firmly.

Internal metal spiral core is integral to the strength of the filter and prevents filter collapse.

Cutting-edge pleating technology ensures proper calibration of the pleats, and eliminates deformed or worn areas that compromise the integrity of the media.

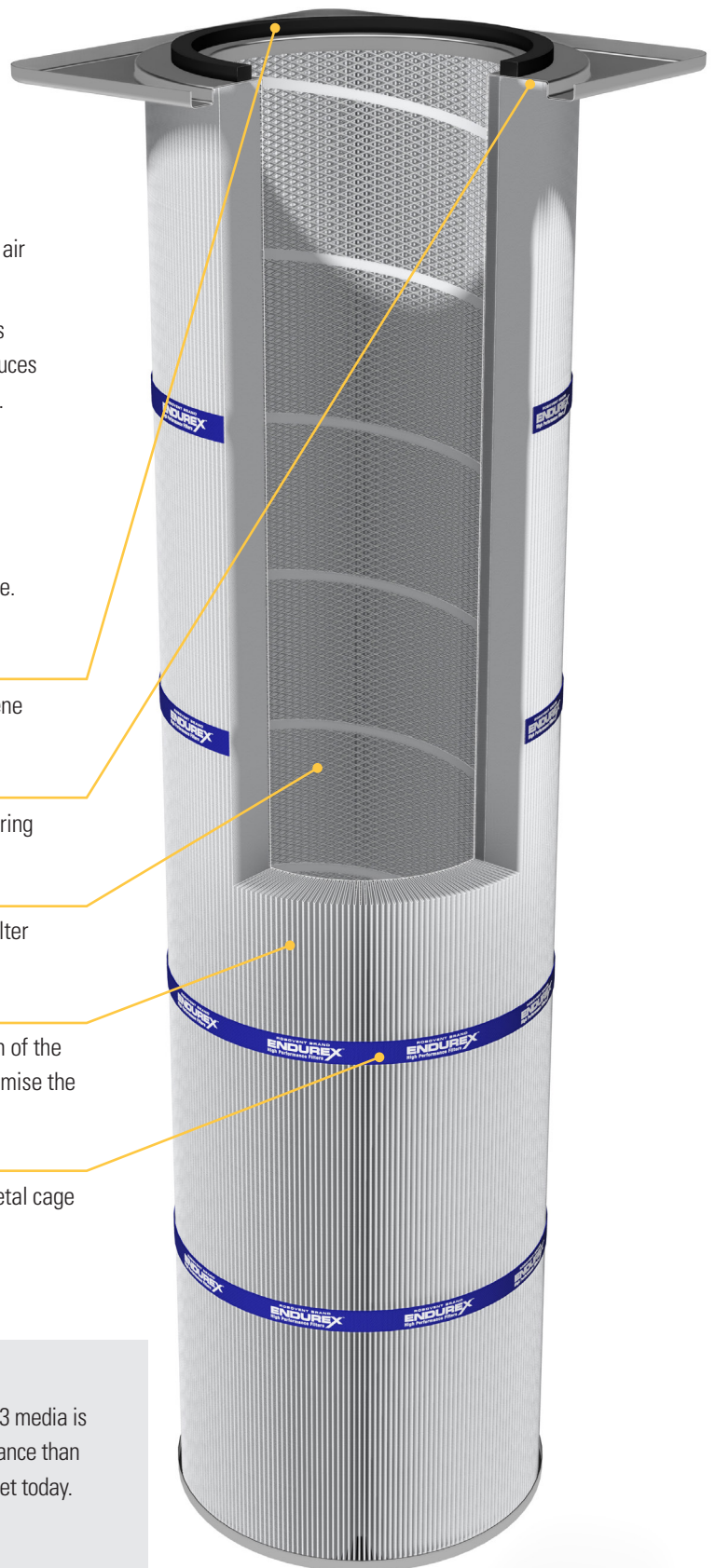
Fabric bands for structural support instead of an exterior metal cage allows for better pulse cleaning of the filter.



Our Guarantee To You

The New Endurex RMO technology with the A13 media is guaranteed to provide equal or greater performance than any other MERV 13 Nanofiber filter on the market today.

(888) ROBOVENT (762.6836)



ROBOVENT BRAND
ENDUREX™
 High Performance Filters

**Introducing
 Endurex RMO Technology**

**The future in efficient
 filtration has arrived!**

Re-engineered to maximize efficiency while reducing static pressure, Endurex Reinforced Media Optimization (RMO) brings filter technology into the 21st Century.

Filters are a critical component of any dust and fume collector, and choosing the right one is key to increasing filter life and reducing operating costs, all while giving you cleaner air.

With this in mind, RoboVent developed a new, stronger and more efficient range of Endurex filters by reconfiguring the pleats and spacing of the media and strengthening the pleats with a proprietary media support structure. The result is a filter that is engineered for the highest filtration efficiency at the smallest particle size, superior particulate release, and a significant reduction in static pressure. This technology is called **Reinforced Media Optimization (RMO)**.

Designed for outstanding performance in filtering fumes, smoke, dust, and other pollutants created during virtually any manufacturing process, Endurex RMO filters are the smarter choice for applications including:

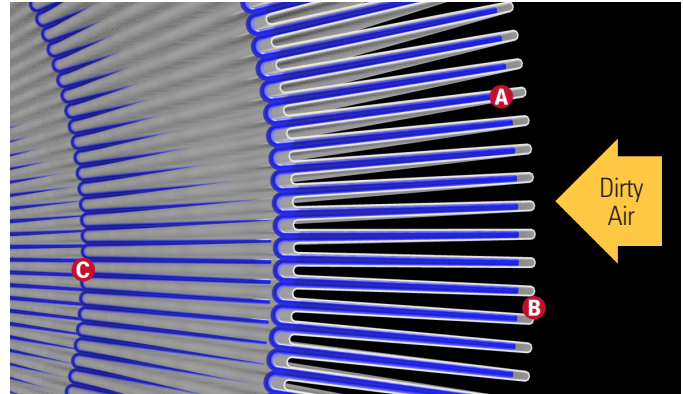
Weld Fume, Grinding Dust, Torch Cutting, Metalizing, Plasma Cutting, Soldering, Laser Cutting, Abrasive Blasting, and many more.

Features & Benefits

Here is a quick breakdown of the advantages of Endurex filters.

FEATURE	BENEFIT
Superior Filter Media	<ul style="list-style-type: none"> • Longer filter life • Cleaner air
RMO Technology	<ul style="list-style-type: none"> • 100% Media usage • Longer filter life
Lower Pressure Drop	<ul style="list-style-type: none"> • Energy savings • Improved system performance

**It's No Longer About Media Quantity.
 It's About Media Optimization.**



- A** RMO support keeps the filter pleats at optimum spacing, allowing for maximum loading on the media, and more effective pulse cleaning
- B** RMO Support ribs (shown in blue above) are continuous for the full length of the pleats ensuring no pleat collapse.
- C** Multiple RMO structures ensure media surface area is maximized throughout the whole filter

Endurex Reinforced Media Optimization is truly the future in efficient filtration. By widening the pleat spacing in our proprietary filter media and ensuring that the pleats remain apart, we maximize the surface area of media available to dust and fume particles, while maintaining the highest level of filtration efficiency. The result is reduction in static pressure, and superior particulate release. In short, longer filter life, using less media.

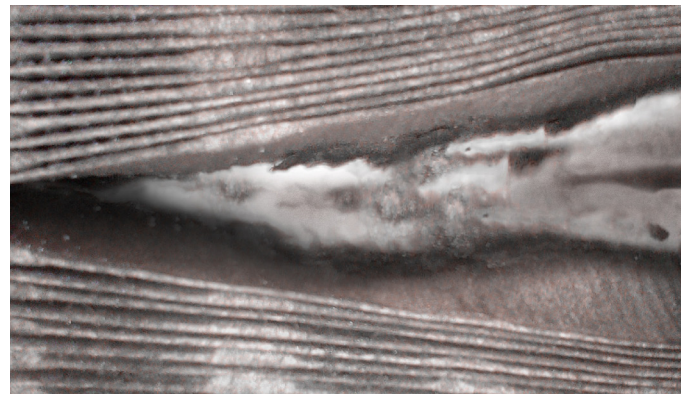


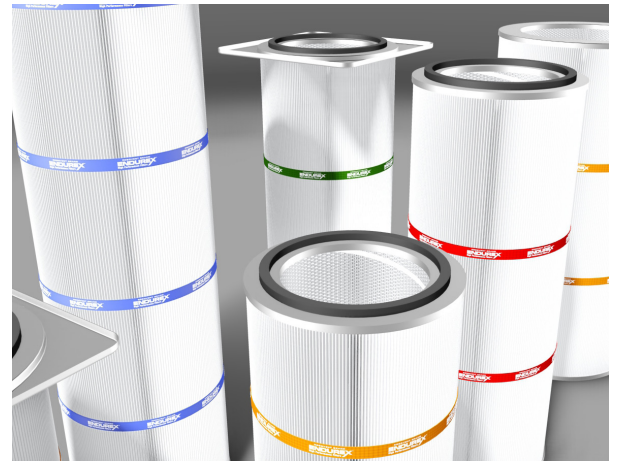
Photo of a Traditional Filter After 2 Months

In traditional filter design, the pleats are often pinched closed. The clean area seen on the inside of these pleats indicates that the dirty air never reached this media, resulting in less effective loading and ineffective pulse cleaning — and as a result, short filter life.

RoboVent Endurex Premium Cartridge Filters

Whether you have an ultra-fine dust, metal cutting fumes, or an aggressive abrasive particulate, RoboVent has you covered.

RoboVent's premium Endurex filter cartridges have been engineered to provide you the very best filtration protection for your plant and employees. Durable and proven, our filter media has been designed for outstanding performance in filtering fumes, smoke, dust, oil haze and other particulates/pollutants created during virtually any manufacturing process.



Endurex D12 *Defendex MERV 12*

The Endurex D12 is a specially blended media for oil laden particulate. The media is specifically formulated with an extremely durable phenolic resin system where each fiber is individually coated instead of a film formation.

- Special formulated media with resin impregnated fibers for extreme durability against liquids/oils
- Good for oily smoke applications
- RMO technology
- Filtration efficiency down to 0.15 microns



Endurex A13 *Nanofiber MERV 13*

The Endurex A13 is RoboVent's high quality cellulose/polyester blend that provides superior filtration efficiency and long life in welding applications. Every filter is fire retardant and uses Nanofiber technology to achieve a MERV 13 efficiency rating.

- Nanofiber membrane laminated to 80/20 substrate
- Excellent filtration for minimum cost
- Low differential pressure
- RMO technology
- High efficiency for particulate down to 0.1 micron in size

Filter Media Breakdown

Compare the various RoboVent Endurex filter medias and see which one is suited for your particular application.

	Endurex D12	Endurex A13	Endurex G15	Endurex B16
Substrate	80/20 Cellulose/Poly	80/20 Cellulose/Poly	Synthetic	Spunbond Polyester
Membrane / Treatment	Phenolic Resin impregnation	Nanofiber	Nanofiber	PTFE
Efficiency Rating (MERV)	12	13	15	16
Max. Operating Temperature	210°F / 99°C	149°F / 65°C	158°F / 70°C	200°F / 93°C
Abrasion Resistance	Good	Good	Excellent	Excellent
Chemical Tolerance	Good	Fair	Excellent	Excellent
Flame Retardant Media (FR)	No	Yes	No	No
Special Characteristics	A very specialized media, with a proprietary Phenolic Resin impregnation treatment. Superior performance in Moist or Oily applications.	Nanofiber media provides excellent surface loading and dust release capabilities.	Wide pleat spacing allows effective pulse cleaning of fibrous and agglomerative particles, and is abrasion resistant and moisture tolerant	Wide pleat spacing and smooth, hydrophobic, state-of-the-art PTFE membrane provides excellent particle release.
Applications	Very Oily Weld Fume, some Abrasive Dust, Moist, Hygroscopic, or Agglomerative Dust.	Metalizing, Fumed Silica, Pharmaceutical, General Industrial, Air Blasting, Wheel Blasting, Metal Grinding Dust, Weld Smoke.	Composite Grinding, Ceramics, Food processing, Grain handling, Fiberglass, Metal buffing and Grinding, Pharmaceutical, Textiles, Woodworking.	Chemical processing, Pharmaceutical, Food Processing, General Industrial, Laser and Plasma cutting, Polishing, Blasting, Weld Smoke.
Performance Characteristics	Specifically developed for oil-laden dusts and fume applications	Superior performance on extremely fine and non-fibrous dust and some abrasive dust. High filtration efficiency on very fine particulate of <1 micron	Excellent performance on combination fibrous and non-fibrous dust, and/or agglomerative dust and abrasive dust. High filtration efficiency on fine particulate of <1 micron	Recommended for chemical, food, and industrial processing where product contamination has to be minimized. Excellent performance on extremely fine, moist, hygroscopic, or agglomerative dust.



Endurex G15 Nanofiber MERV 15

The Endurex G15 media utilizes Nanofiber technology applied to a cellulose/polyester substrate. This highly efficient filter has a MERV 15 rating and has proved itself superior in many applications. It is available in a range of popular sizes and configurations.

- Nanofiber membrane laminated to synthetic substrate
- Low differential pressure
- RMO technology
- High efficiency for fine particulate filtration down to 0.1 micron in size



Endurex B16 PTFE MERV 16

A premium filter offering superior performance in both filter efficiency and longevity. The key to this media's performance is a PTFE coating that allows collected material to shed easily and quickly, extending the filter life and providing a very high level of filter efficiency. The PTFE coating is overlaid on a tough polyester substrate to provide excellent support and strength and further extend the filter life. The filter efficiency of the Endurex B16 is rated at MERV 16, a level that approaches HEPA filtration standards.

- PTFE membrane laminated to polyester spunbound substrate
- Excellent particulate release
- RMO technology
- Ultra high efficiency for very fine particulate 0.1 micron and below

*Manual
Welding Fume
Extraction*



*WeldBooths
for Educational
Facilities*



*Robotic
Welding Fume
Collection*



*Maintenance
Programs*



*Oil Mist
Extraction*



*Full-Plant /
Ambient Air
Cleaning Systems*

*Dust Collection
Systems*



*Mobile Dust
Collectors*



*Laser & Plasma
Cutting Fume
Collection*

*Aftermarket
Replacement
Filters*



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