



# Megalam® ES ProSafe

ePTFE HEPA Filter for Life Sciences

Megalam ES ProSafe  
The Robustness You Want.  
The Reliability You Need.



Clean air solutions



# Megalam ES ProSafe

## Another Step in the Evolution of the HEPA Filter

The strength and low resistance of expanded polytetrafluoroethylene (ePTFE) media has been utilized for decades to improve the performance of high-efficiency particulate air (HEPA) filters in many industries...except life sciences. The challenge has always been developing a filter that resists rapid pre-mature loading during oil-based validation and testing. This is no longer the case.

Megalam ES ProSafe HEPA filters have the robustness of ePTFE, and the energy savings you expect from Camfil. Integrated with the reliable HEPA efficiency stability you demand, Camfil's commitment to the highest manufacturing standards means you can trust the Megalam ES ProSafe filter will perform as required the first time and every time.

### Strength and Durability

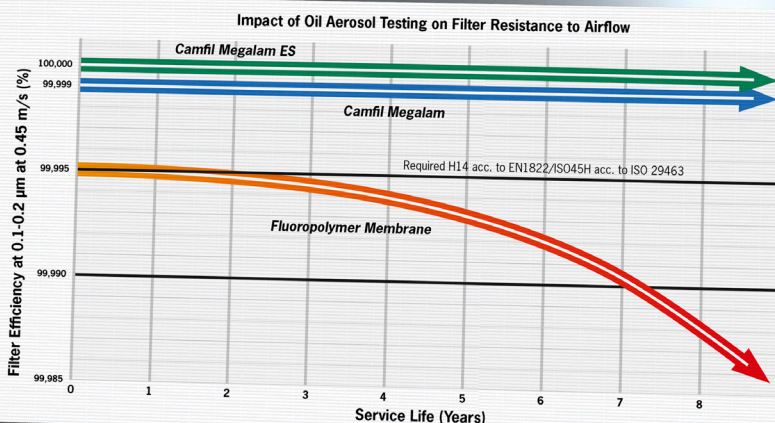
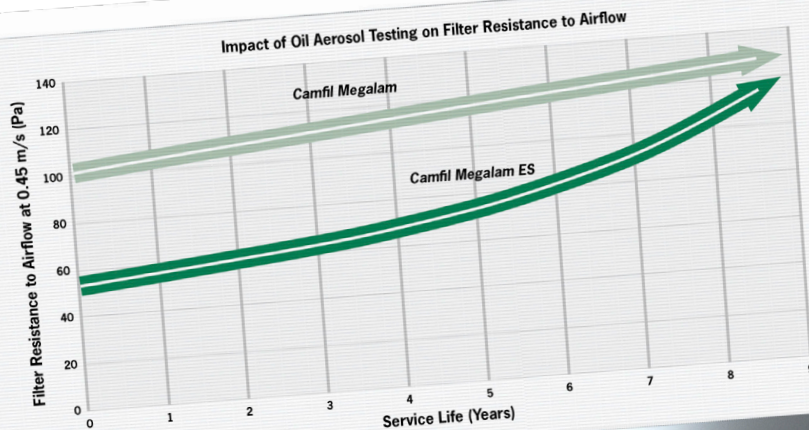
In contrast to the fragility of traditional HEPA media filters, Megalam ES ProSafe utilizes multi-layer ePTFE media which is physically robust, greatly reducing the possibility of damage during transport, handling, and installation. Reliably reduce the risks of inadvertent contamination and unplanned cleanroom downtime with Megalam ES ProSafe.

### Protection Against Filtration Efficiency Failure

All ePTFE medias which claim HEPA level efficiency are not created equal. Traditionally ePTFE has been associated with the immediate loss of filtration efficiency after exposure to oil aerosols used during challenging and validation. However, Camfil's Megalam ES ProSafe employs polymeric media with two functional filtration layers which have been thoroughly tested to maintain acceptable efficiency throughout the product's life. *Camfil has proven it.*

### Energy Savings

The Megalam ES ProSafe filter demonstrates a significantly lower initial pressure drop (airflow resistance) compared to standard HEPA filters. This promotes more economical cleanrooms, supporting sustainability efforts, reducing the carbon footprint, and ultimately resulting in decreased operational costs.





# Camfil Takes ePTFE to the Next Level

## Security

Every Megalam ES ProSafe is tested for global efficiency to confirm the absence of leaks as confirmed by using Camfil's Auto-Scan automated leak detection system. Each filter has a mechanically printed, serialized, bar-coded label which includes actual airflow, global efficiency, and initial airflow resistance.

## Heavy-Duty, Lightweight Anodized Aluminum Frame

The frame corners are secured with Camfil's exclusive special-designed clip mechanism, ensuring robustness, easy installation, prolonged unit lifespan, and corner integrity.



## Megalam ES ProSafe HEPA ePTFE Media Filter

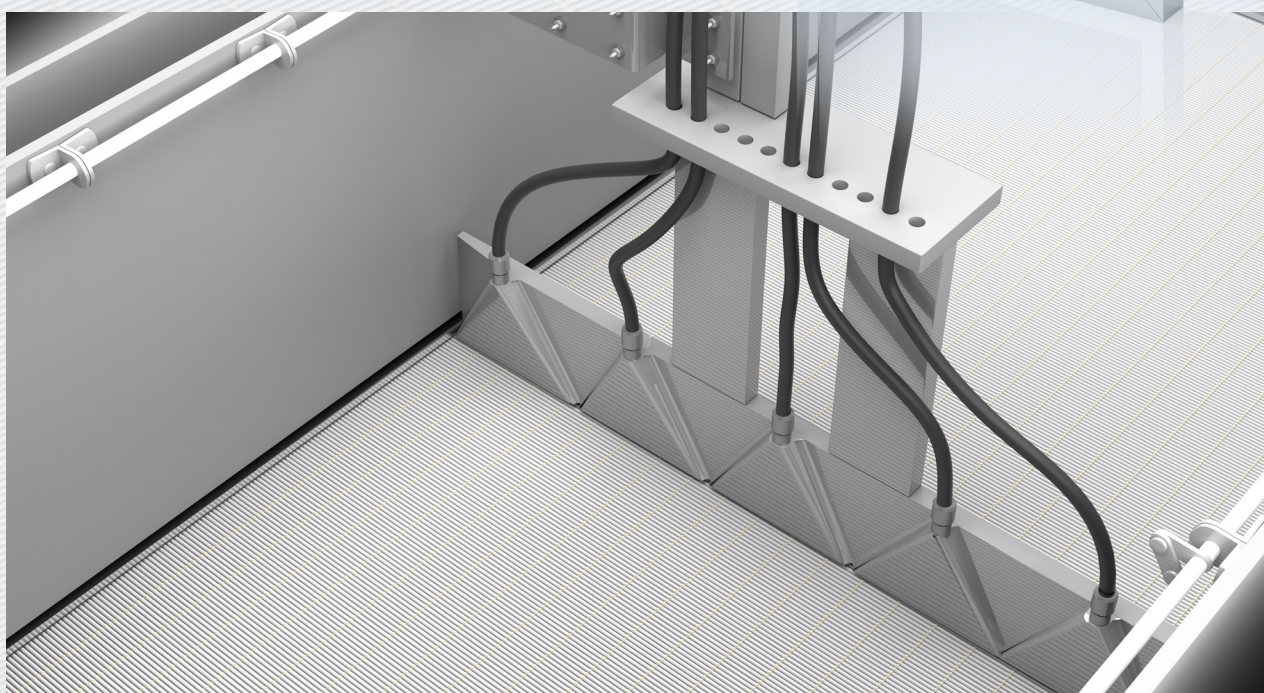
- Strength
- Energy Savings
- Risk Mitigation

## Thermoplastic Resin Media Separators

The media pleat spacing is uniform, resulting in a rigid, self-supporting, continuous filter pack with low resistance to airflow.

## Customization

Available in H14 (EN1822) / ISO45H (ISO29463) efficiency in standard and low-energy pleat pack configurations, as well as sizes up to 1220x1220 mm, or up to 1830 mm in length with a width not exceeding 915 mm.





## PROSAFE – AIR FILTERS FOR YOUR MOST SENSITIVE PROCESSES

Life Science Industry demands more than Clean Air. It's not enough that the filter protects your products from undesirable particles. The filter must also be manufactured from materials that are proven not to contaminate the sensitive process.

Camfil's ProSafe Program offers various relevant compliances such as microbial inertness acc. to ISO 846 / VDI6022 and food contact acc. to EC1935/2004 and 10/2011, absence of harmful chemicals such as Phthalates and Formaldehyde. Camfil's components have been tested to prove their resistance to decontamination agents over time.

Letters of conformance accompany every filter to meet product assurance compliance. This also demonstrates Camfil capability to tests and work more with its Life Science customers and their specific requirements.

With a Camfil ProSafe-marked filter, customers can rest assured their processes will be safe from any root causes of critical issues that commonly affects the Life Science industry. This brings confidence and peace of mind.

To be absolutely sure you have the right filter, look for the ProSafe symbol. When you see it, you can be sure the filter has been certified for use in processes with strict demands on safety, traceability and control.





## WE KNOW WHAT IT TAKES

We at Camfil have delivered filter systems for over 50 years. Our high demands on research, development and quality assurance mean you can feel secure.

We know all about the demands on clean air in the pharmaceutical industries. Which is why we offer a complete range of ProSafe filters – specially designed for your needs.

Read more about ProSafe at  
[www.camfil.com/prosafe](http://www.camfil.com/prosafe)

### **Camfil – a Global Leader in Air Filters and Clean Air Solutions.**

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimise energy use, and benefit human health and the environment.

We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That's why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us. Through a fresh approach to problem-solving, innovative design, precise process control and a strong customer focus we aim to conserve more, use less and find better ways – so we can all breathe easier.

The Camfil Group is headquartered in Stockholm, Sweden, and has 30 manufacturing sites, six R&D centres, local sales offices in 35+ countries, and about 5 700 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes and the environment, visit us at [www.camfil.com](http://www.camfil.com).

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For further information please contact your nearest Camfil office.