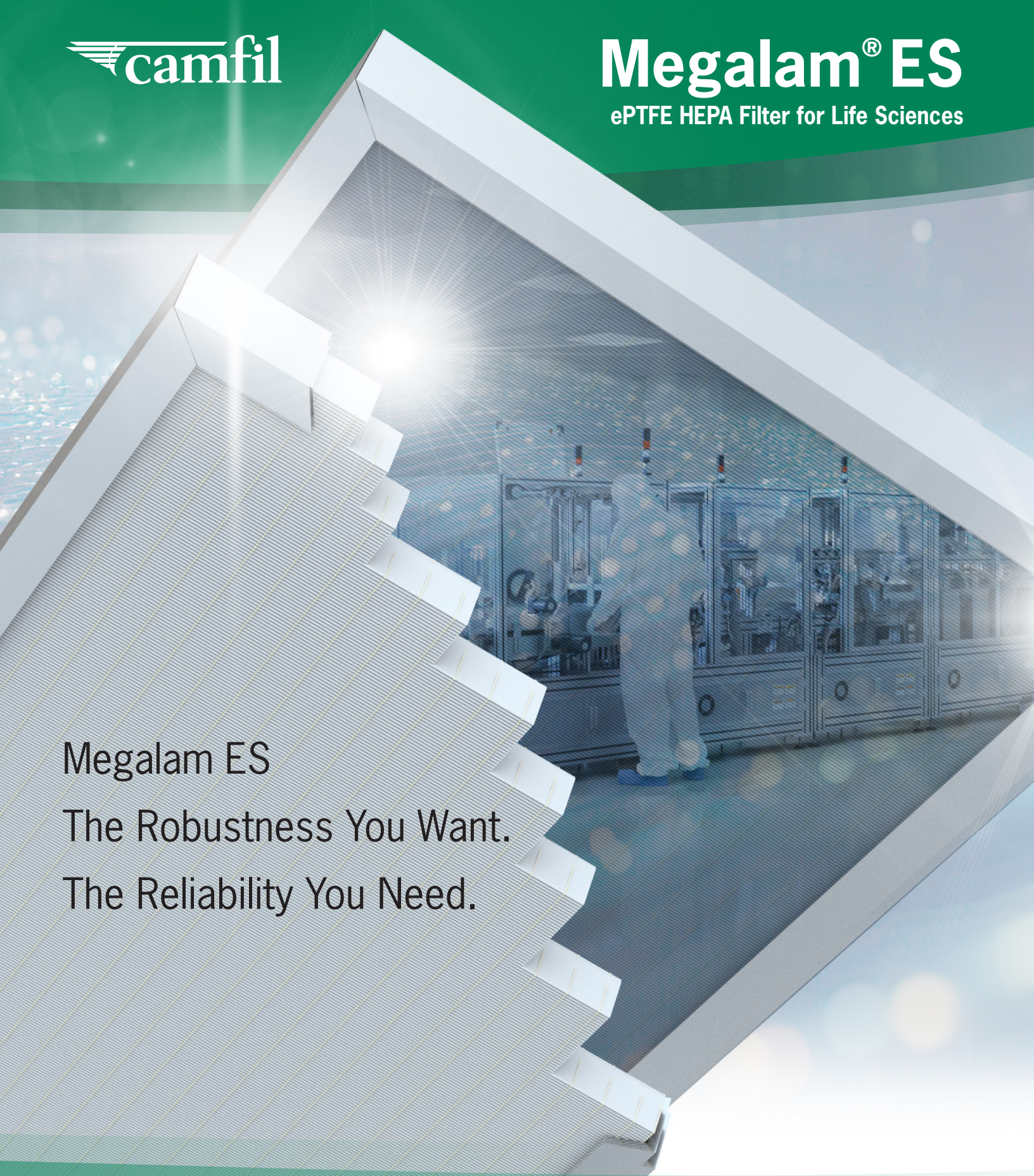
camfil

Megalam® ES

ePTFE HEPA Filter for Life Sciences



Megalam ES

The Robustness You Want.

The Reliability You Need.

CLEAN AIR SOLUTIONS

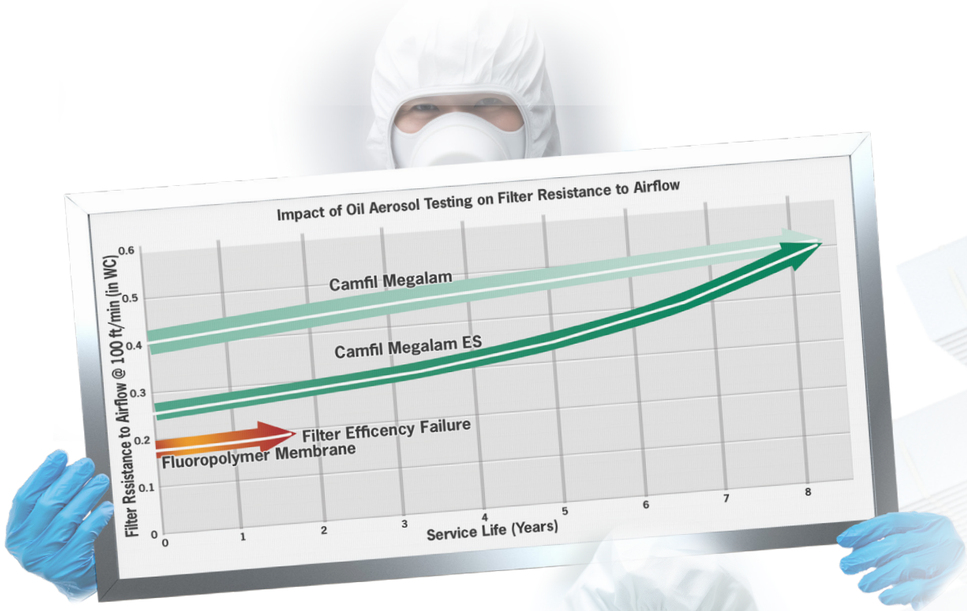
Camfil Takes ePTFE to the Next Level

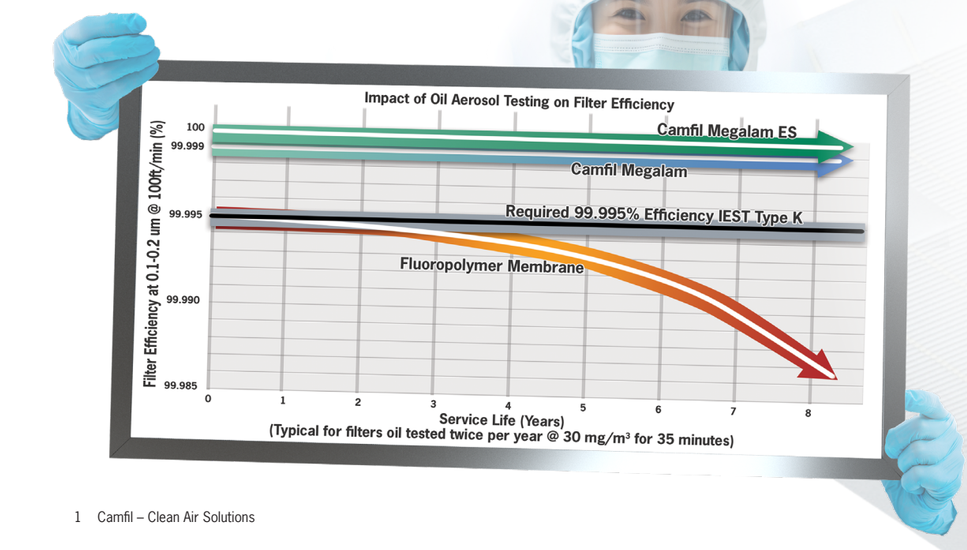
Megalam ES

Another Step in the Progression 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 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 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 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.

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 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 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.

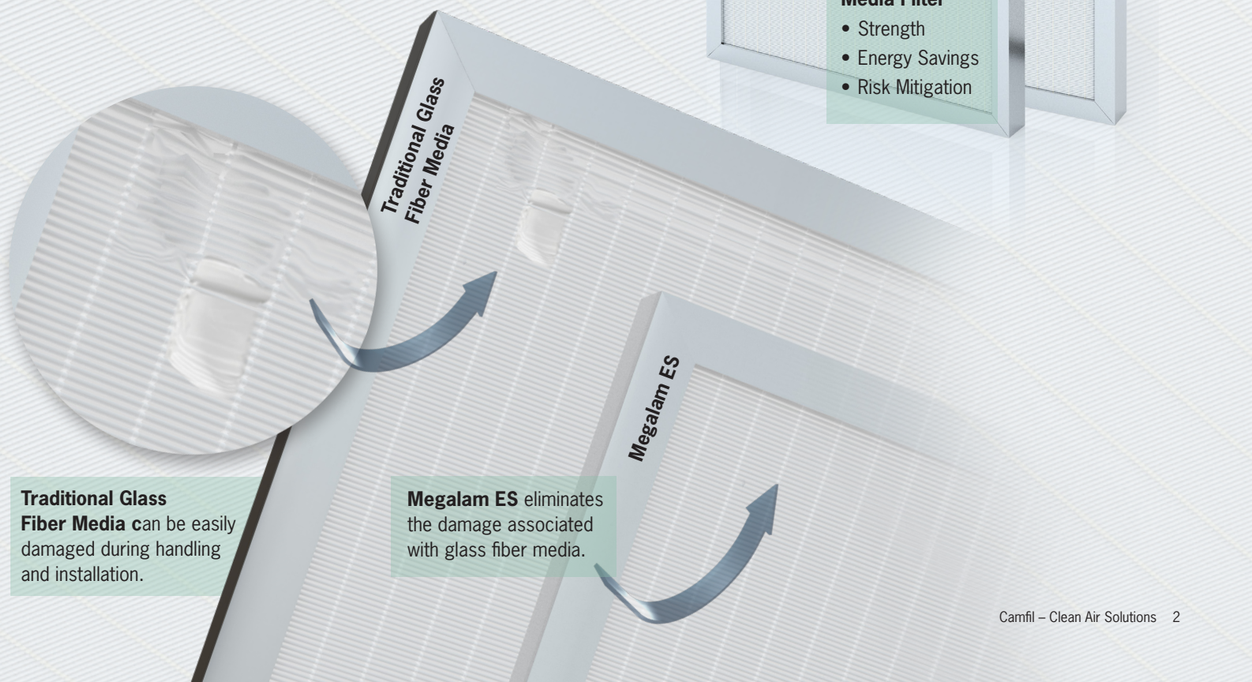
Heavy-Duty, Lightweight Anodized Aluminum Frame
The frame corners are secured with Camfil's exclusive Klip-Lok™ mechanism, ensuring robustness, easy installation, prolonged unit lifespan, and corner integrity.

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

Security
Every Megalam ES 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.

Customization
Available in H14 (EN1822) / Type K (IEST) efficiency in standard and low-energy pleat pack configurations, as well as sizes up to 48" x 48", or up to 72" in length with a width not exceeding 36".

Megalam ES HEPA ePTFE Media Filter
- Strength
- Energy Savings
- Risk Mitigation



Traditional Glass Fiber Media can be easily damaged during handling and installation.

Megalam ES eliminates the damage associated with glass fiber media.

Megalam® ES

ePTFE HEPA Filter for Life Sciences

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, minimize energy, 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 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 centers, local sales offices in 35+ countries, and about 5,600 employees and growing. We proudly serve and support customers in a wide variety of industries and communities across the world. To discover how Camfil can help you to protect people, processes and the environment, visit us at www.camfil.us.

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