

EMW® GT Minipleat Compact Filters

Ambitious. Flexible. Highly Reliable.

EMW® GT Minipleat compact filters incorporate an impressive range of features which add up to high filtration efficiency and low pressure drop.

1. Highly efficient filter media: The filter media are selected as required to ensure efficient removal of the encountered particulates even at high volume throughputs.

2. Enormous filter area: Minipleat technology provides maximum filter surface area in a compact, space-saving configuration while still permitting smooth aerodynamic flow.

3. Heavy-duty frame: The frame's material of construction and design are decisive for realizing ease of installation as well as streamlined flow for minimum pressure drop. The plastic frames of EMW® GT Minipleat compact filters are aerodynamically optimized for flow conditions in gas turbine inlet air filtration. Simple to install, the filters are also fully incinerable, permitting convenient disposal after use.

4. Leak-proof: If the filter media are not reliably bonded to the frame, leakage can result, particularly at high air flow rates. These leaks permit free passage of air particles around the filter. To prevent problems of this nature, EMW® Minipleat filter media are bonded to the frame by a cast airtight joint. The reliable full-perimeter bond prevents leakage even at highest flow rates. In addition, all EMW® filters are available with a continuous foamed-in-place seal located on the air inlet or outlet side as desired.

5. Superb strength: All EMW® GT Minipleat compact filters incorporate a fully synthetic nonwoven reinforcing mat on the air outlet side. This heavy-duty configuration withstands pressure drops of over 5000 Pa for many filter designs.

Your wish is our command! The EMW® product portfolio includes standard air filters available in a wide range of dimensions. We can also provide custom-made products designed and dimensioned for your specific needs.



EMW[®] (H)EPA GT Air Filters



**EMW[®]
MPK 4X 31 GT**

This (H)EPA GT filter, 592 x 592 x 400 mm in size, is available in filter classes EPA E10 - E12. Its innovative minipleat technology maximizes filter media area, 31 m² in this version, while taking up minimum space. EMW[®] MPK 4X 31 GT filters provide highly efficient filtration with minimal pressure drop increase over long-term service. They are ideal for use as final filters in gas turbine inlet air filtration systems.

e.g. in Filter Class E10

Dimensions	592 x 592 x 400 mm (23.31" x 23.31" x 15.75")	
Fractional efficiency at MPPS*	≥ 85 %	
Initial pressure drop	@3400 m ³ /h (@2000 cfm)	130 Pa (0.52" w.g.)



**New!
EMW[®]
MPK 4X 38 GT**

The newest EMW[®] (H)EPA filter offers enlarged filter media area combined with low pressure differential and high filter efficiency. Available in (H)EPA filter classes E10-E12.

e.g. in Filter Class E11

Dimensions	592 x 592 x 400 mm (23.31" x 23.31" x 15.75")	
Fractional efficiency at MPPS*	≥ 95 %	
Initial pressure drop	@3400 m ³ /h (@2000 cfm)	145 Pa (0.58" w.g.)

* MPPS = Most Penetrating Particle Size



**EMW[®]
MPK 4X 28 GT**

Standard (H)EPA filter versions available from EMW[®], i.e. with 400 mm cassette length, are too long to fit in some filter houses. Responding to the need for (H)EPA filters – with high efficiency and low pressure drop – in filter houses with limited space availability, EMW[®] now offers a new (H)EPA version in filter classes E10-E12. Compact in size at 592 x 592 x 298 mm, the new design has surprisingly high filter surface area, 28 m², and is therefore ideal for use as a (H)EPA final filter. So – if space problems have prevented use of (H)EPA filters in your filter house facility up to now, here is the solution!

e.g. in Filter Class E10

Dimensions	592 x 592 x 298 mm (23.31" x 23.31" x 11.73")	
Fractional efficiency at MPPS*	≥ 85 %	
Initial pressure drop	@3400 m ³ /h (@2000 cfm)	155 Pa (0.60" w.g.)



**EMW[®]
MPK 4X 40 GT**

This special Minipleat compact cassette filter – available in classes (H)EPA E10-E12 – provides a high filter surface area of 40 m² and very low pressure drop. The cassette dimensions are 592 x 592 x 450 mm.

e.g. in Filter Class E12

Dimensions	592 x 592 x 450 mm (23.31" x 23.31" x 17.7")	
Fractional efficiency at MPPS*	≥ 99.5 %	
Initial pressure drop	@3400 m ³ /h (@2000 cfm)	180 Pa (0.72" w.g.)