



Nuclear Grade Rectangular Deep Pleat HEPA Inserts

Rectangular Deep Pleat HEPA filter Inserts are manufactured to meet the stringent requirements of the nuclear authorities within the United Kingdom and are available in 2 standard forms:

Type I Filter inserts designed as low temperature combustible inserts.

Type II Filter inserts designed as high temperature non-combustible inserts.

These filters conform to the requirements of AESS 30/93402 and all other local nuclear licensed site engineering standards.

Materials of construction:

Case: Type I: Wooden case with plastic protection grids and cloth handles.

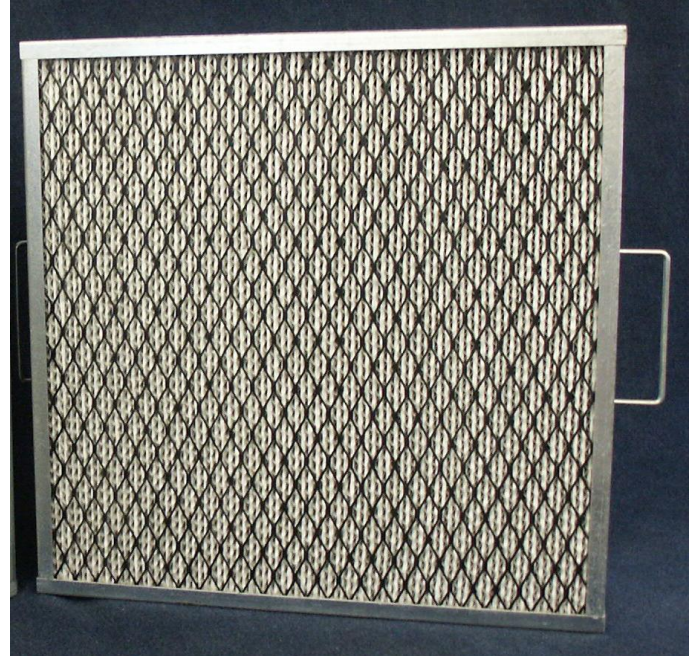
Type II: Zinc coated steel with steel face Protection grids and recessed D ring handles.

Media: Non-flammable, water repellent, microfibre glass paper conforming to AESS 30/93400

Form: Media pack produced from a single sheet of filter paper interspaced with kraft paper (Type I) or aluminium (Type II) foil separators.

Bond: Filter packs are sealed into the case with a polyurethane sealant (Type I) or high temperature cement (Type II)

Gasket: 19x6mm silicone rubber fitted to one or both faces



Technical Specification:

Size	610x610x292 mm	305x305x292 mm
Duty	470 l/sec	100 l/sec
Integral Efficiency	99.99% in accordance with BS3928	
Clean Resistance	250 Pascal	
Final Resistance	1000 Pascal	
Burst Pressure	>3000 Pascal	
Max Working Temp	Type I : 120°C	Type II : 250°C
Max Working R.H.	80%	

*Type II filter inserts will maintain an integral efficiency of >98% when subjected to 500° C for up to ten minutes.

Quality Control:

All M.C. Air Filtration products are designed, manufactured and tested under strict quality controlled conditions and in accordance with our BS EN ISO 9001:2008 accreditation. Each HEPA filter insert will be individually factory tested and issued with a unique serial number for future trace-ability.

Alternative sizes, specifications and materials of construction may be available.

Please contact this sales office to discuss your specific requirement and for further information on these products.

We reserve the right to change product specification without notice

Publication No 32.08-09/10