



## Nuclear Grade Rectangular Minipleat HEPA Inserts

Rectangular Minipleat 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 30/93401 and all other local UK nuclear licensed site engineering standards.

### Materials of construction:

**Case:** Type I: MDF with plastic face 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:** Multiple mini-pleat filter packs arranged in a V configuration within the filter case

**Bond:** Filter packs are sealed into the case with a  
Type I: Polyurethane sealant or  
Type II: High temperature cement

**Gasket:** 19x6mm silicone sponge gasket is fitted to one or both faces



### Technical Specification:

Size	610x610x292mm	
Duty	550 l/sec	850 l/sec
Clean Resistance	250 Pascal	420 Pascal
Integral Efficiency	99.99% in accordance with BS3928	
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.