



## BioGrade High Capacity Mini-pleat HEPA Inserts

The M.C. Air Filtration BioGrade High Capacity HEPA Filter Insert can be used across many industries and for varying applications. The product provides class leading performance and is available in a range of industry standard sizes.

### Materials of construction:

**Case:** Zinc coated carbon steel, stainless steel or aluminum

**Media:** Painted carbon steel or stainless  
**Grids:** expanded steel protective grilles can be fitted to one or both faces as required

**Handles:** The filter case can be fitted with one or two D ring folding handles

**Media:** Machine pleated non-flammable, water repellent, microfibre glass paper

**Bond:** Filter packs are sealed into the case with a polyurethane sealant

**Gasket:** 19x6mm closed cell neoprene or silicone sponge gasket fitted to one face

### Suggested Applications:

Air handling, terminal filtration, exhaust ventilation and process control

### Suggested Industries:

Pharmaceutical, biotechnology, hospital, research, electronics, food & beverage.

### 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

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### Technical Specification:

Where required filters can also be leak tested with DOP aerosol and certified in accordance with BS 3928	
Classification	HEPA
Filter Grade	H14
EN 1822 MPPS Efficiency @ Rated Duty	Overall 99.995% & Local 99.975%
Clean Resistance @ Rated Duty (+/- 10%)	270 Pascal +/- 10%
Recommended Final Resistance	750 Pascal
Max Working Temperature	70°C
Max Working Humidity	90%

### Size Range:

Filter Size H x W x D (mm)	Rated Duty (m <sup>3</sup> /hr)	Filter Size H x W x D (mm)	Rated Duty (m <sup>3</sup> /hr)
304 x 304 x 124	350	304 x 304 x 292	700
304 x 609 x 124	800	304 x 609 x 292	1600
609 x 609 x 124	1700	609 x 609 x 292	3400
762 x 609 x 124	2100	762 x 609 x 292	3750
914 x 609 x 124	2500	914 x 609 x 292	5100