

HEPA PANEL FILTERS



High efficiency filters for applications including the electronic, pharmaceutical, chemical & nuclear industries

To meet the demands for a versatile range of High Efficiency (HEPA) Filters the EMCEL design team has developed close pleating equipment which can provide compact pleats in depths of up to 95 mm. It is this versatility which enables EMCEL to produce filters with the optimum balance between cost, unit size, capacity and filtration efficiency.

Depending on application, filters are supplied in either cylindrical or flat panel format and special seals are provided to ensure air tight installation. Efficiencies of up to 99.997% can be specified with all filters being individually tested and certified to BS 3928 - Sodium Flame test method. EMCEL are also trained to DOP test filters against EN14644 if this is preferred.



HEPA Panel Filters

Flat panel high efficiency filters can be manufactured as replacements to match existing filters or to meet new design requirements. Pleat depths of up to 95 mm allow variations of airflow and resistance within a specified face area.

Casework is normally fabricated from galvanised steel, aluminium, painted mild steel, stainless steel or PVC but other materials such as MDF (for incineration disposal) can be specified. Protective screens are fitted to both faces as standard and a neoprene or silicone sealing gasket may be fitted to the clean air side. Gaskets can be fitted to each face if requested.

*FILTER DEPTH WITHOUT GASKET	OVERALL PANEL SIZE (mm)			
	305 x 305	610 x 610	610 x 915	610 x 1220
70 mm	145 m ³ /hr	595 m ³ /hr	900 m ³ /hr	1200 m ³ /hr
115 mm	180 m ³ /hr	790 m ³ /hr	1240 m ³ /hr	1620 m ³ /hr

Typical sizes with airflow capacities litres/sec at 0.45 m/s 125 Pa Initial Resitance.
Efficiency: 99.997% tested to BS3928 Sodium Flame Test

For Dimensions and Technical Data on Cylindrical HEPA and non-standard HEPA Panel Filters please contact our Technical Sales Team.

