

A wide range of high efficiency air filters (HEPA) designed to suit a variety of applications and exacting performance requirements are available from Felcon. Efficiencies of HEPA and ULPA filters range from 95% to 99.99999%.

## Filter Selection Guide: BS EN 1822

Grade efficiency @ 0.3 micron. Efficiency @ MPPS

H10	>95%	>85%
H11	>98%	>95%
H12	>99.99%	>99.5%
H13	>99.997%	>99.95%
H14	>99.999%	>99.995%

Through continuous in-house research and development, a combination of conventional and specialist filter materials (some developed in-house) are employed in the production of high performance filters to deal effectively with particulate matter, gaseous, bacterial and viral contaminants.

Felcon's design expertise and vast range of filter products are utilised in a wide variety of market sectors. In addition to providing conventional HEPA filter products, Felcon is guided by the principles of developing effective, innovative and affordable solutions to a rapidly increasing number of air quality and air filtration related problems.

**Critical clean rooms/laminar flow benches/mechanical ventilation systems/fume cupboards & safety cabinets/health & safety (respirator) industry/research laboratories/medical sector/military sector.**

Felcon Mini-Pleat Filters incorporate a continuously pleated high-grade filter medium, separated from the next by uniformly formed thermosetting adhesive beads. The assembly is

sealed into a satin finished anodised aluminium case (as standard), with an appropriate single or double gasket added as required. Double face grilles are fitted as standard, to provide protection for the filter face during transport, installation and under operating conditions.

**'Gel-Seal':** A range of Mini-Pleat Filters are available with an extended case extrusion utilising a 'liquid gel-seal' (as opposed to a neoprene gasket). Alternatively, filters are supplied with a 'knife edge' to suit 'liquid gel-seal' frame installations.

**Special Features:** The shallow depth, combined with its uniform 'close-pleat' design (lightweight with high air volume capacity), makes the Mini-Pleat the ideal filter for all laminar flow applications.

**Caution:** All Felcon HEPA and ULPA products are individually tested and suitably packed for 'mainland' transportation. In the event that any packages show any sign of visible damage, they must be signed for as 'damaged', and reported. Filters must be handled carefully and stored in clean, dry areas no more than 3 filters high. Deep pleat HEPA filters should be stored with the pleats in the vertical plane. Care must be exercised in unpacking of boxes (particularly in instances where the filter has no face grilles). The box should be opened from the top, turned through 180° and the box removed from the filter.



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Felcon has a continuous development programme aimed at further improving and developing its products. All specifications are, therefore, subject to change.  
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