

FEATURES AND BENEFITS OF FILTA-MATIX

MINI PLEAT HEPA FILTERS

THE MEDIA

Filta-Matix HEPA filters, as all international filters, are manufactured from ultra-fine glass fiber paper. The high efficiencies demanded necessitates the use of delicate fibers with diameters of 0,2 – 4 micron and fiber length of 300 micron.

THE MEDIA PACK

Unlike the deep fold type which rely on crimped separators to form the pleated pack, mini pleat HEPA filters are pleated with a thermo-plastic separating spacer applied to the media during manufacture.

This unique feature offers much greater permissible air volume when compared with the older deep fold type.

THE SEALS

Filta-Matix HEPA filters are produced with FIP gaskets without any joints to form a permanent and positive seal. Leakage due to poor seals is thus eliminated.

AIR FLOW RATE

Only Mini Pleat Hepa filters are capable of handling air velocities of 2,5 m/s – 3.0 m/s. This generally means a much lower pressure drop and smaller filter banks in comparison with the deep fold type. So as to offer the widest range of products, Filta-Matix manufactures both normal and high capacity Hepa filters.

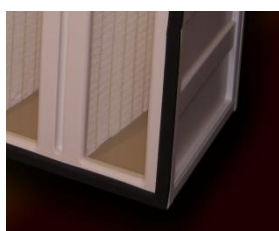
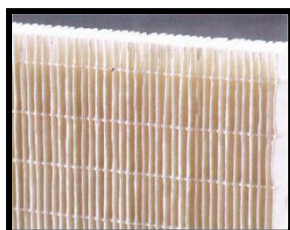


THE FRAMES

Available in galvanised steel, stainless steel or polycarbonate frames and in all standard or special size configurations.

QUALITY MANAGEMENT

Filta-Matix HEPA filters are produced to ISO 9001: 2008 quality standards with full traceability of all raw materials used during manufacture.



THE SUPERIOR CONCEPT

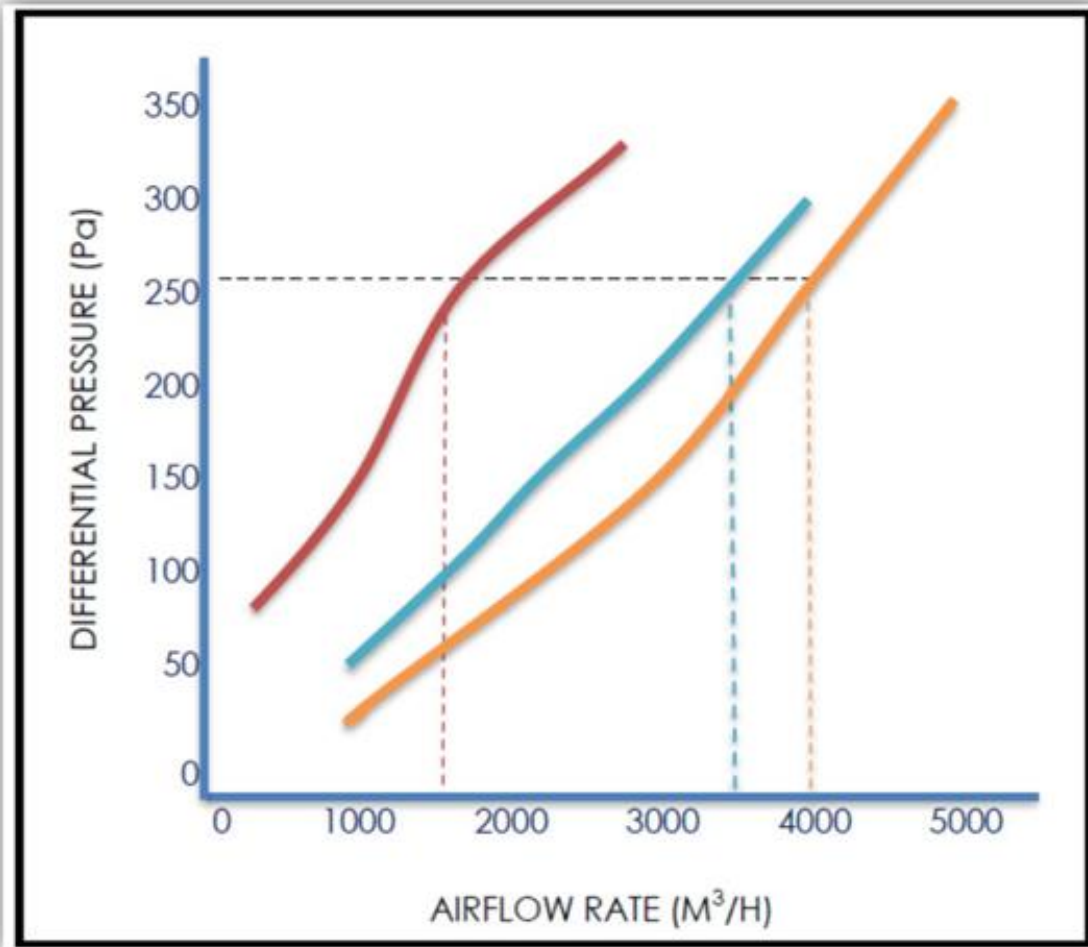
Each filter is individually tested to EN 1822 prior to shipment and is issued with test reports and unique serial No.

The mini pleat hepas are supplied in normal and high capacity versions to suit the application.

The media is pleated with a thermo setting spacer incorporating a much larger than normal media area.

**TESTED
IN ACCORDANCE
WITH
EN1822**

TECHNICAL TEST DATA



LEGEND		
	NS-20	(1750M³/H) 610 x 610 x 300
	NS-34	(3400M³/H) 610 x 610 x 300
	NS-40	(4000M³/H) 610 x 610 x 300

Each filter is tested to EN 1822:2009 test standards for MMPS values. Every HEPA filter has a unique serial number with full traceability of all raw materials. Production quality is guaranteed because the production methods and test procedures have been independently audited and found to be fully compliant to SABS / ISO 2001:2008 quality standards.

Hepa filter efficiency rating

Minimum DOP Efficiency	Maximum DOP Penetration
H13 – 99.95%	0,05%
H14 – 99.995%	0,005%
U15 – 99.9995%	0,0005%

Hepa Manufacturing, Testing and Gasketing Video Link :

<https://www.youtube.com/watch?v=yYtGbP5vqfE>