

HEPA-GARD®

ASHRAE ■ 60-65% ■ 80-85% ■ 90-95% ■ BOX TYPE-HEADERS ■ HOSPITAL ■ UL900 ■ PRE-FILTERS ■ SEPARATOR OR MINI-PLEAT ■ HI-TEMP

HEPA-SEP®

95% ■ HEPA ■ ULPA ■ SEPARATOR TYPE ■ HI-STRENGTH ■ HI-CAPACITY ■ ROUND ■ TURBINE ■ UL900 ■ UL586 ■ MIL SPEC ■ HI-TEMP

HEPA-PLEAT®

MINI-PLEAT ■ HEPA ■ ULPA ■ 1/2"- 10 3/4" DEEP ■ CLEAN ROOM ■ MEDICAL ■ VECTORS ■ CUSTOM DESIGNS ■ HI-CAPACITY

Q3-2000™

GRIDLESS CEILING FILTRATION SYSTEM ■ QUICK INSTALLATION ■ QUICK SEAL ■ QUICK REPLACEMENT

HEPA-MAX®

HIGH-VELOCITY ■ LOW-VELOCITY ■ LOWEST ENERGY COSTS ■ DEEP MINI-PLEAT ■ HEPA ■ ULPA ■ 2000 C.F.M. @ 1" W.G. ■ HVAC ■ CLEANROOM

HEPA-HOOD™

10" COLLARS ■ 12" COLLARS ■ GRILLS ■ PORTS ■ ADJUSTABLE DAMPERS ■ LOW PROFILE ■ HEPA ■ ULPA ■ CONVENTIONAL OR MINI-PLEAT

PERMA-HOOD™

INSTALLS WITHOUT TOOLS ■ EASY TO HANDLE ■ ENGINEERED SIMPLICITY ■ INTEGRAL DAMPER

HEPA®
CORPORATION

H E P A B R A N D



HEPA-SEP®

HEPA-SEP® filters are high efficiency designs utilizing conventional aluminum or non-metallic corrugated separators. They meet all HEPA and ULPA standards. The efficiency/pressure drop ratings are:

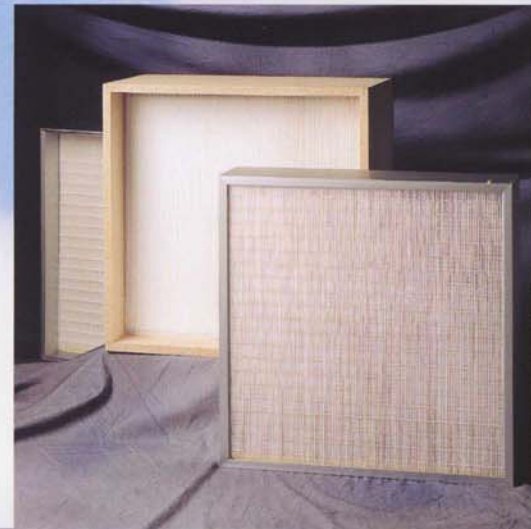
95% on 0.3 micron @ .50" W.G.

99.97+% on 0.3 micron @ 1.00" W.G.

99.999% on 0.12 micron @ 1.25" W.G.

99.9995+% on 0.12 micron @ 1.58" W.G.

Full line of frame materials and sizes available. D.O.P., scan and/or laser efficiency tested as required. High capacity or lower resistance also available.



HEPA-PLEAT II®

HEPA-PLEAT II® mini-pleat filters offer outstanding performance and energy cost saving characteristics. Our mini-pleat design allows much more filter media into the same area conventional corrugated separator filters occupy. More media = extended filter life and less static pressure.

In fact, at a 100 F.P.M. velocity, measured volumetrically, a pressure drop as low as .19" W.G. is obtainable in clean room applications. Maintaining HEPA and ULPA standards ranging up to and including 99.9999998%+ @ 0.12 microns, our lower entrance-loss design also makes an ideal ASHRAE filter in many instances. This advanced and versatile filter is D.O.P., scan and/or laser tested as required.



HEPA-GARD®

HEPA-GARD® filters meet the lower efficiency needs of ASHRAE applications:

60-65%

80-85%

90-95%

Made with HEPA-SEP® or HEPA-PLEAT II® minipleats, these filters are available in a variety of woods, plastic, steel and aluminum frames. Filters meet ASHRAE 52-76 Specifications. They can be used as pre-filters or final filters, and manufactured in box form, with or without headers, to most any size or depth.



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HEPA-PLUS®

Here's a real plus for high velocity or low velocity applications. HEPA-PLUS® takes deep pleat air filtration technology to levels way beyond other filters. This versatile performer will out-distance similar filters while adhering to HEPA and ULPA Standards.

HEPA-PLUS® advantage:

- 2000 C.F.M. @ 1.35" W.G.* with 99.97+% efficiency.
- Automatic upgrade from HEPA to ULPA with no additional operating costs and little or no equipment changes.
- 100 FPM @ .22"W.G. 99.9999% @ .12 micron
- **Lowest** energy cost **per** filter cost in new or existing cleanroom designs.

D.O.P., scan and/or laser efficiency tested as required.

*Factory tested at 2000 C.F.M. on production filters - not extrapolated from

1000 C.F.M. test flow.



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HIGH TEMPERATURE

High temperature filters are manufactured in a requirement range from 300°F (200°C) to 750°F (400°F). Frame construction of galvanized steel, stainless steel, or aluminum is available with ASHRAE, HEPA or ULPA media. Used in ovens for clean rooms and laboratories.

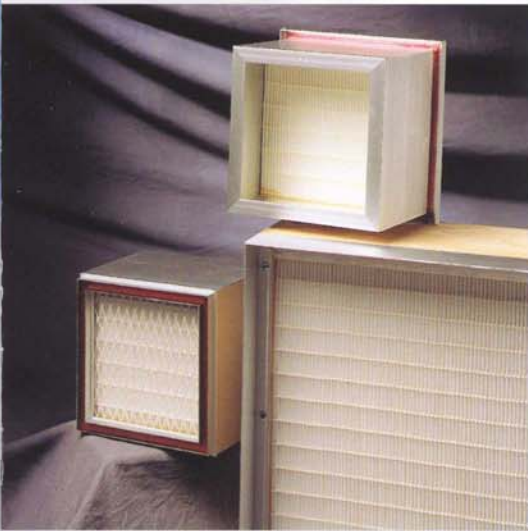


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HEPA-MAX®

HEPA-MAX® is an 11 1/2" full depth mini-pleat filter capable of high velocity performance of 2000 C.F.M.

@ a nominal 1.0" W.G. and low velocity performance of 100 F.P.M. @ a nominal 0.16" with efficiencies up to 99.99999998%. Available in frames of wood, steel and aluminum, HEPA-MAX® is the low cost choice and the ultimate HEPA ENERGY SAVER®

P R O D U C T S



HEPA-GEL™

HEPA-GEL™ is an anti-gravity, self-healing, sealant material. It is an excellent alternative to more commonly used neoprene gasket. It can be used both vertically and horizontally in forward or reverse grooves or knife edge designs. Available in frames of wood, steel or aluminum.



CYLINDRICAL AND VECTORS

Cylindrical filters have application uses from vacuum cleaners to nuclear submarines. Frame construction of metal or non-metallic materials and diameters from inches to feet are available. Cylindrical filters can be ordered with HEPA-SEP® or HEPA-PLEAT II® packs and in any efficiency. Filter packs can be full rounds or ring shaped. **Vectors** are 1/4 round filters with radius face designs that fit between wall and ceiling. They are primarily used in hospital applications and other special installations to save on construction costs while maintaining a clean environment.



CUSTOM DESIGNS AND CONSTRUCTION

HEPA Corporation specializes in custom filter designs requiring plastic molded frames and other materials. We currently provide over 100 O.E.M. approved designs for computer disk drives, medical, bio-safety, biological, pharmaceutical, food and other applications. Odd shaped or sized filters are our specialty.

HEPA Brand Filters meet the following standards and specifications where appropriate:

Fed. Std. 209 ▲ U.L. 900 class 1 and 2 ▲ Mil-F-51068 ▲ ASHRAE 52-76

Mil. Std. 282 ▲ U.L. 586 ▲ IES-RP-CC-001-86



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HEPA-HOOD™

Our terminal hoods are manufactured in a range of sizes and styles. Collar diameters are 10" or 12". Grills, ports, and adjustable dampers are standard. HEPA-HOOD™ are available with aluminum corrugated separators (HEPA-SEP®), Mini-pleats (HEPA-PLEAT II®), and the deeper mini-pleat (HEPA-PLUS®). Efficiencies range from 95% @ 0.30 microns to 99.9999+% @ 0.12 microns.



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STEALTH™ (Patent Pending)

STEALTH™ Fan Filter Units offer low noise, low power consumption and high performance. In addition, STEALTH™ Technology allows the unit to last up to three times longer than other units and requires only 100 watts while running at 90 F.P.M. All FFUs are available in 2'x4' and 4'x4' configurations.



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PERMA-HOOD™

PERMA-HOOD™ is a unique roomside replaceable filter ceiling module. Engineered for simplicity, PERMA-HOOD™ requires no tools to install or replace. It is available in efficiencies from 99.99% @ 0.3 micron to 99.999995% @ 0.12 micron. In addition, filters with pressure drops as low as .26" W.G. with 100 F.P.M. velocity can be specified. The faceguard and damper are integral with the filter. These and other unique features make PERMA-HOOD™ the easiest-to-handle of all RSRs.



Q3-2000
GRIDLESS CEILING FILTER SYSTEM™ (Patented)

The Q3-2000 is a cleanroom ceiling system offering filtration without a heavy grid for suspending the filters or messy gel for sealing the filters. It also allows complete and faster roomside construction and installation. Check it out for ballroom or mini-environment facilities from class 1 to class 1000 and ceilings with over 50% filter coverage.



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