



## HEPA and ULPA filters

Low pressure drop High Efficiency Particulate Air and Ultra-Low Penetration Air filters

**APC Filtration HEPA and ULPA filters** are designed for demanding operating conditions, where critically clean air is required. Available in a variety of configurations and sizes, these filters fit almost any application you may have, and are tested to the most stringent of standards to assure the control and prevention of airborne contamination. When ultra clean air is needed, look no further than **APC Filtration** to provide a reliable filtration solution!

### What is a HEPA Filter?

According to IEST standards, a **HEPA** filter must remove a minimum of 99.97% of 0.3-micron particles that pass through the filter. Particles of this size are considered the Most Penetrating Particle Size (MPPS), which is the most difficult size to filter at this efficiency range.

### What is an ULPA Filter?

According to IEST Standards, an **ULPA** filter must remove a minimum of 99.999% of 0.1 - 0.2 micron particles that pass through a filter. Particles of this size are the Most Penetrating Particle Size (MPPS), which is the most difficult size to filter at this efficiency range.

For comparison purposes, a human hair has a diameter of about 80 microns. **Our filters can effectively remove particles up to 800 times smaller than a human hair!**

Through continuous research, development and investment in filter media, manufacturing technologies and people, **APC Filtration** provides our global clients with first to market filtration solutions for a cleaner, healthier and safer environment!

### Applications:

- Asbestos Abatement
- Semiconductor
- Hospitals
- Laboratories
- Pharmaceuticals
- Food Processing
- Room Air Cleaners
- Medical Devices
- Animal Caging
- Mini Environments
- Mushroom Farms
- Surgical Smoke Extraction
- Nuclear
- Aerospace
- Hazmat Equipment
- Face Masks

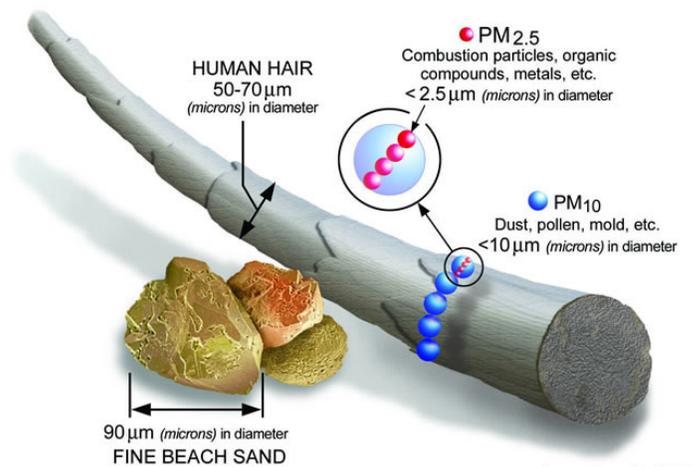


Image courtesy of the U.S. EPA

*This is a size distribution image illustrating the different particle sizes as compared to a human hair. HEPA and ULPA filters are designed to operate in the 0.1 to 5 micron particle size ranges.*



Today's filtration applications are becoming more critical and are driving the need for higher efficiency contaminant removal. **APC Filtration** HEPA and ULPA filters are designed and engineered to meet these new challenges and provide the highest performance available.

All materials used in the construction of our **HEPA** and **ULPA** filters are of the highest quality and durability. Based on your needs, we can build with stainless or galvanized steel, anodized aluminum, polymer based frames, plywood and particle board. Our filters are built to last!

As equipment footprints continue to shrink, the demand on reducing the size of filters continues to grow. This puts additional pressure on the filters' performance.

Our HEPA and ULPA filters are built to specification using either:

- Mini pleat packs using a hot melt adhesive separator
- Deep pleat packs using aluminum corrugated separators
- Or no separators depending on application



Mini Pleat Pack



Aluminum Separator Pack

Equally important, **APC Filtration** has a testing and laboratory capability second to none! We are the only air filter manufacturer within our industry capable of providing appliance and/or equipment integrity testing as well as filter testing. Feedback is provided to ensure your assemblies are air tight and leak proof. As required, we test all our **HEPA** and **ULPA** filter to the following standards:

- BS EN1822
- IEST-RP-CC-007.2
- IEST-RP-CC-0001.5

We provide the optimum pleat pack configuration to meet the application performance requirement.

Each filter is individually tested to assure filter meets efficiency and pressure drop at rated air flow. Test results are printed on a label and affixed to each filter, along with a serial number, lot number and technician's ID as a permanent record for tracking purposes.



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**APC Filtration Inc.** is an **ISO 9001:2008** certified manufacturer providing over 34 years experience in custom made & designed air filters for global OEM's of industrial, commercial and domestic appliances and equipment. Air filtration products include: Paper and Cloth Bag Filters, Cartridge & Radial Filters, HEPA Filters, Panel Filters, Pleated Filters and ULPA Filters.

