Frequently Asked Questions

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Filtration Efficiency Comparison

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Chart Key
- E = Excellent
- VG = Very Good
- G = Good
- F = Fair
- P = Poor

For Pure, Clean, Healthy Air
Call Your Authorized CAP Central Air Purifier Dealer

Abatement Technologies’ HEPA filtration systems are used in more than 4,000 hospitals throughout North America.

Are Indoor Air Pollutants and Allergens in Your Home Affecting Your Family’s Health and Comfort?

Breathe easier with CAP® “Whole House” Medical Grade HEPA Filtration Systems
gous to people with food allergies avoiding eating those foods.

Physicians today recommend taking preventive steps to reduce reactions to toxins in fungal spores (molds) accounted for up to 70 times higher than outdoors. A Mayo Clinic study found that our exposure to some pollutants and allergens can be 96% of chronic sinusitis cases they reviewed.

A typical home has billions of microscopic particles floating in the air, including allergens that can trigger adverse reactions such as persistent headache, runny nose, sinusitis (sinus inflammation), itchy, watery eyes, sore or raspy throat, and chronic fatigue in family members who suffer from allergies, asthma and other respiratory ailments. In fact, a U.S. EPA study on indoor air quality found that our exposure to some pollutants and allergens can be up to 70 times higher than outdoors. A Mayo Clinic study found that reactions to toxins in fungal spores (molds) accounted for 96% of chronic sinusitis cases they reviewed.

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Common Indoor Air Pollutants Include:
- Mold & Fungal Spores
- Bacteria
- Dust Mites
- Pollens
- Pet Hair & Dander
- Tobacco Smoke

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Physicians today recommend taking preventive steps to reduce exposure of sensitive individuals to respiratory allergens. This common sense technique, known as ‘allergen avoidance’, is analogous to conforming to applicable national and local building codes and standards for electrical safety and ozone levels. A standards for electrical safety and ozone levels in the occupied living space are not elevated.

‘Partial Bypass’ Installation

The dark, damp confines of HVAC ductwork and components such as the evaporator coil and drain pan can provide perfect breeding grounds for mold, mildew and bacteria growth when they become contaminated with dirt particles that pass through the furnace filter. Whenever the HVAC fan runs, harmful fungal spores can then spew into the living space of a home.

CAP600 & CAP1200 Series Models

All five CAP whole-house HEPA models are equipped with an efficient, internal motor and blower assembly, to maintain proper HVAC system airflow levels. CAP600 series models are typically used in HVAC systems with up to 3.5 tons of capacity; CAP1200 series units can handle systems as large as 5 tons. Your authorized CAP dealer can help you select the most appropriate model for your home.

CAP600EC Base Model

The economical CAP600EC model features three stages of filtration: an inexpensive, 1”-deep disposable filter to capture large, visible particles; a 2”-deep, dual layer VAPOR-LOCK® carbon filter to remove unpleasant odors and smaller particles; and, HEPA media for capturing microscopic particles and pathogens such as fungal spores.

CAP600-UV & CAP1200-UV Models:

HEPA & Germicidal UV Disinfection

The CAP600-UV and CAP1200-UV feature the same germicidal UV (UVGI) lamp technology hospitals use to control infectious pathogens to irradiate microbes in the air stream with a high dose of UVGI energy during each pass through the HVAC system. The CAP600-UV also features a 1”-deep large particle pre-filter, a 2” VAPOR-LOCK carbon intermediate filter, and a 99.97% HEPA filter. The CAP1200-UV model, has about 50% more air filtration capacity. It features an additional 2”-deep particle pre-filter, a heavier duty VAPOR-LOCK carbon filter, and a high capacity HEPA filter, for added dirt holding and odor removal capacity.

CAP600-UV & CAP1200UVP Models: ‘UV Plus’ Technology

The unique UV Plus dual-frequency lamp in the CAP600-UV and CAP1200UVP models is designed specifically for homes plagued with moisture-related mold growth and odor problems or heavy smokers. They are equipped with the same particulate and carbon filters as the CAP660-UV and CAP1200-UV models. In addition to germicidal UV, the UV Plus lamp uses a photolysis oxidation process to produce a controlled amount of highly reactive ozone gas, enhancing its ability to destroy fungal spores and unpleasant odors. The ozone gas breaks down quickly within the HVAC ductwork as it reacts with odor-causing compounds, so ozone levels in the occupied living space are not elevated.

Multiple HVAC Systems

Larger homes with two or more central HVAC systems require a separate CAP600 series of CAP1200 series Central Air Purifier for each system.

Safety First

All CAP600 series and CAP1200 series models are certified by a Nationally Recognized Testing Laboratory to conform to applicable UL and CSA standards for electrical safety and ozone levels.
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