



***“Each year more than 50 million Americans suffer from allergic diseases.”***

**– Academy of Allergy  
Asthma & Immunology**

**CAP100 Series  
Central Air Purifiers:  
Healthier Indoor Air at  
an Affordable Price.**



# Let's take a closer look at the indoor air pollutant problem.



*Do you or anyone in your family frequently suffer from?*

- ▶ *Respiratory allergies*
- ▶ *Asthma*
- ▶ *Headaches*
- ▶ *Runny Nose*
- ▶ *Itchy, Watery Eyes*
- ▶ *Sore Throat*
- ▶ *Fatigue*

*Do you notice dust on your furniture shortly after cleaning? Is there a smoker in the house? Do you have pets?*

Indoor air pollutants can affect us all. They can be especially threatening to the health and comfort of young children, the elderly, those with weakened immune systems, and the more than 50 million North Americans who suffer from allergies, asthma, emphysema, and other respiratory tract ailments.

Healthcare professionals often emphasize the importance of reducing exposure to the pollutants and allergens that can trigger adverse reactions.

## *What are indoor air pollutants?*

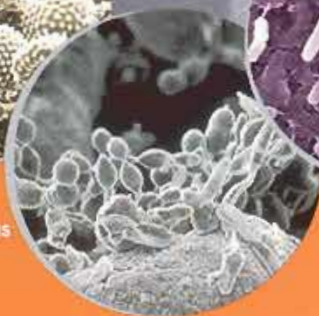
Some of the most common indoor air pollutants and allergens are:

- ▶ *Dust Mites*
- ▶ *Pet Hair and Dander*
- ▶ *Bacteria*
- ▶ *Viruses*
- ▶ *Molds & Mold Odors*
- ▶ *Fungi*
- ▶ *Tobacco Smoke*
- ▶ *Pet Odors*
- ▶ *Formaldehyde and other VOCs*
- ▶ *Household Chemicals*

Pollen



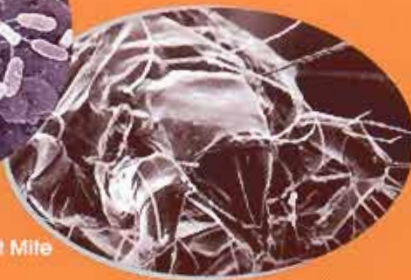
Fungus



Bacteria



Dust Mite



What you can't see **can** hurt you. Billions of invisible but potentially harmful pollutants and biopollutants are often present in the air in even the most well-maintained homes. Lingering odors from cooking, pets, tobacco smoke, mold, and mildew can also permeate your home.

# CAP<sup>®</sup> Central Air Purifiers: One Solution To Indoor Air Pollution.

Why buy portable air cleaners for just one room? CAP100 Series Central Air Purifiers are installed into your home's central HVAC system to continuously remove allergens, irritants and pollutants from the air before they can enter the living area. Three inline models are available to suit the needs and the budgets of most homeowners.

## **Capture Up To 96% of Airborne Particulates With The CAP100-U Model:**

The **CAP100-U** inline filtration unit is the most economical model in the CAP100 Series. This model enables cost-conscious homeowners to significantly improve the level of particulate filtration provided by standard furnace filters or electrostatic filters, with a moderate investment. The **CAP100-U** is not designed to remove gasses, odors or volatile organic compounds (VOCs).

The **CAP100-U** features two stages of filtration. An inexpensive 1" prefilter removes coarse particulates. A 5" pleated cartridge filter captures up to 96% of the invisible particles such as fine dirt and dust, animal hair and dander, soot, mold spores and pollens — particles that pass right through inexpensive furnace filters. This high-performance filter features a low pressure drop and excellent dirt-holding capacity.



**CAP100-U**  
Photo shows unit's  
two-stages of filtration

## **CAP100-UV Model: Add Germicidal UV For Microbial Control**

UV-C is a part of the spectrum of electromagnetic energy generated by the sun, and UV-C lamps have been widely used for over 40 years to disinfect the air in healthcare, food processing, and pharmaceutical facilities to control airborne bacteria, molds and viruses. Now this same microbial control technology is available to homeowners.

The **CAP100-UV** model adds a high-output germicidal UV (UV-C) emitter lamp located between the two filters for even greater control of bacteria, molds, mildew and viruses that may be present in your HVAC system.

**“Poor indoor air quality can cause or contribute to the development of chronic respiratory diseases such as asthma and hypersensitivity and pneumonitis.”**

**— American Lung Association**

### **CAP100-UVP Model:**

#### **Add Photolysis For Enhanced Odor Control**

Pets, smokers, mold, mildew, cooking, fireplaces, wood burning stoves and other sources can create unpleasant odors in your home. The **CAP100-UVP** model features a unique "UV Plus" dual-spectrum lamp that combines the germicidal UV-C microbial control benefits of the CAP100-UV model with photolysis for enhanced odor control. The photolysis section of the UV Plus lamp is designed to oxidize and neutralize many common odor-causing pollutants.



**CAP100-UVP**

The **CAP100-UVP** model is especially recommended for homes with moisture problems or other conditions where microbial growth is more likely to occur.

#### **Fit Almost Any Forced Air HVAC System**

The compact, lightweight CAP100 series units can be installed into an HVAC system during construction of a new home or during replacement of a furnace, heat pump, or air conditioner. These versatile systems can also be easily retrofitted to most existing installations.

#### **Safety First**

**CAP100-UVP** models are independently tested and certified by Environmental Testing Laboratories to stringent UL standards. State-of-the-art safety features include an electrical interlock switch that instantly deactivates the lamp when the access door is opened to prevent any accidental eye or skin exposure to the UV emissions.



**“Cheap furnace filters are merely ‘boulder catchers’... they don’t catch the fine dust particles and they don’t catch the microbes. So, they really don’t do anything to help human health.”**

**— Dr. Charlene Bayer, Director of the Georgia Institute of Technology Indoor Environmental Research Program**