

BETTER LENNOX

A BETTER PLACE™



DAVE LENNOX
signature
COLLECTION™

Cleans the air in your home better than any other single system you can buy.



INTRODUCING THE DAVE LENNOX SIGNATURE™ COLLECTION PUREAIR™ AIR PURIFICATION SYSTEMS.

PUREAIR™ AIR PURIFICATION SYSTEMS CLEAN THE AIR IN YOUR HOME BETTER THAN ANY OTHER SINGLE SYSTEM YOU CAN BUY.

According to the Environmental Protection Agency (EPA), the air inside your home may be up to five times more polluted than the air outside. Pollutants in your home's air can cause poor indoor air quality, which can pose significant health risks.

*Telltale signs of poor indoor air quality are the not-so-savory scents that greet you when you enter your home. For example, an earthy or musty smell may mean you have a moisture problem. Similarly, a strong smell may indicate the presence of fumes or chemicals. Odors and odor-causing contaminants can irritate the lungs and aggravate asthma.**

*Shim C. Williams, "Effects of Odors in Asthma," *The American Journal of Medicine*, 1995.

PureAir™ Air Purification Systems are highly effective integrated indoor air quality solutions that can remove and destroy household odors and chemical vapors. Combining innovative filtration and photocatalytic oxidation, the PureAir System attacks odors and chemical vapors throughout the home as they are circulated through the system. So when you install a PureAir System, you'll not only breathe cleaner air, but you'll also breathe a sigh of relief.

Sources of Household Odors/Chemical Vapors



Bioaerosols, such as certain mold spores and bacteria, viruses and fungi.



Particles, including pollen, dust mites, dirt and pet dander.



Household Products, such as cleaning products, hobby supplies, solvents, adhesives, paints and dry-cleaned clothing.



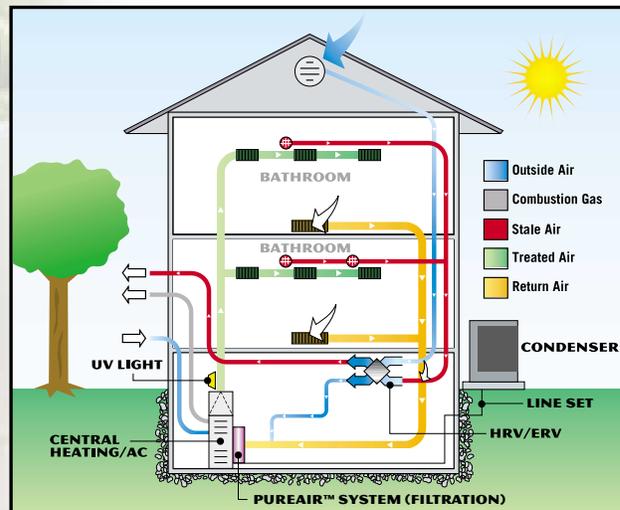
Combustion Products, including cigarettes.



Volatile Organic Compounds (VOCs), from building materials, such as upholstered furnishings, carpeting, adhesives, fresh paint, new paneling and pesticides.

Home improvements

The Mayo Clinic has found that air cleaners attached to whole-house systems are generally more effective than freestanding air cleaners. An optimal solution for central HVAC systems, the PureAir System installs easily on the air handler (return air side)**

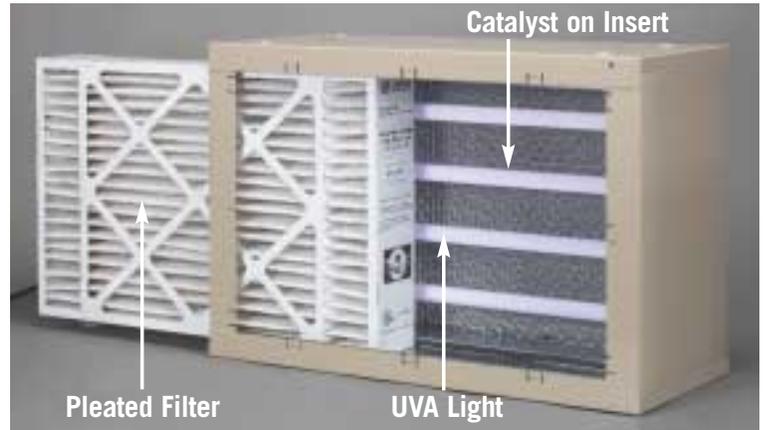


where a filter would typically be placed. By removing and destroying odors and chemical vapors, it helps increase the efficiency and reliability of HVAC systems.

**One unit should be used in each air handler and model selection should be based on the size of the air handler. PureAir units should NOT be placed in the supply side (after the heater) because the higher temperature may compromise system performance.

PureAir™ System Components

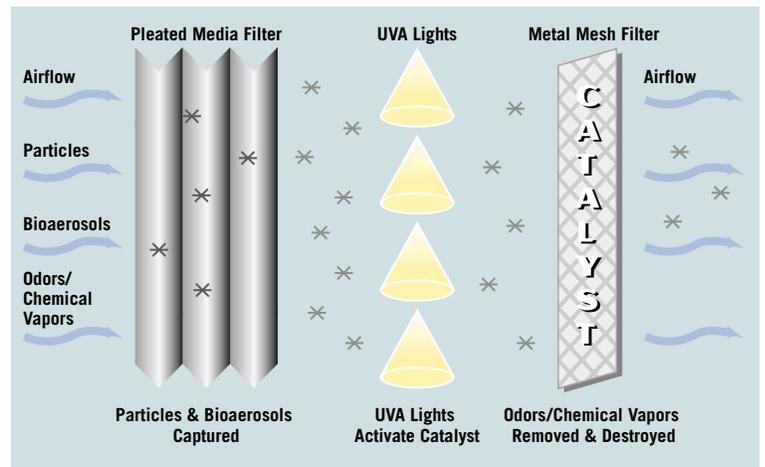
The revolutionary Healthy Climate® PureAir™ Air Purification Systems consist of a pleated filter, four (PCO-12C) or six (PCO-20C) 17-watt UVA lamps and a metal insert that is coated with a catalyst that's activated by ultraviolet (UVA) light.



PureAir System Operation

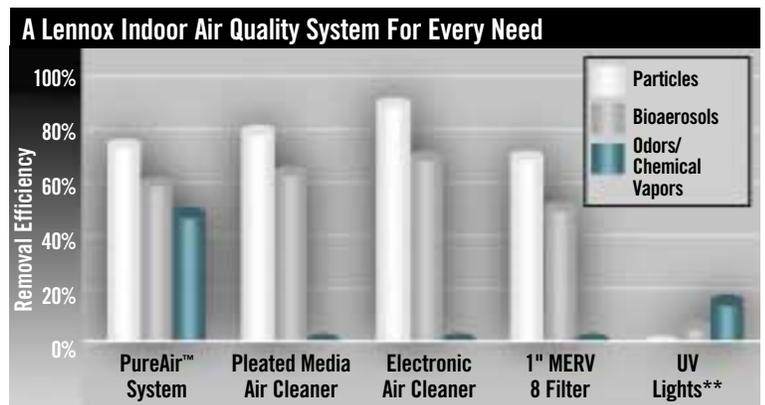
The PureAir System reduces concentrations of pollutants through a process called photocatalytic oxidation (PCO) that combines nature's three most powerful air purifiers:

- ◆ Ultraviolet light (UVA)*
- ◆ Titanium dioxide catalyst, a nontoxic substance found in the earth's crust
- ◆ Hydroxyl radicals, formed through the chemical reaction of light, catalyst and airstream



The PureAir PCO process involves three steps:

1. The pleated, 4" MERV 9 filter captures particles and bioaerosols as small as 0.3 micron, removing them from the airstream. New uncased model includes a pleated 3" MERV 8 filter.
2. As the odor- and chemical vapor-filled airstream flows over the ultraviolet light, the airstream is exposed to the catalytic surface (titanium dioxide-coated metal filter).
3. The light energy and water vapor in the air activates the titanium dioxide catalyst, which generates hydroxyl radicals. These particles break down the odors and chemical vapors into carbon dioxide and water. The conversion process occurs as the carbon component of the odors and chemical vapors react with the hydroxyl radicals, creating carbon dioxide and water vapor.



**UV lights removal of pollutants in the airstream.

NOTE: These efficiencies are related to new filters. Percentages are an approximation to show the different product efficiencies.

The PureAir™ Air Purification System is the only single system that effectively combats all three types of contaminants.

*Hg-LAMPS CONTAIN MERCURY. Manage in accordance with disposal laws. Refer to www.lamprecycle.org or call 1-800-9LENNOX.

THE CLEANING POWER OF THE PUREAIR™ SYSTEM, COMPARED TO OTHER TECHNOLOGIES

	PureAir™ System	Active Carbon Filter	HEPA Filter	Air Ozonation	Chemical/Biocidal	High-Energy UVC Light	Electrostatic Filter	Box Filter
Captures Microorganisms	◆	◆	◆				◆	◆
Creates No Hazardous Waste Products	◆							◆
Generates Ozone				◆		◆		
Captures High – Molecular-Weight VOCs	◆	◆						
Captures Low – Molecular-Weight VOCs	◆					◆		
Destroys High – Molecular-Weight VOCs	◆			◆		◆		
Destroys Low – Molecular-Weight VOCs	◆							
Unlimited Capacity	◆			◆		◆	◆	
Eliminates Organic Odors	◆					◆		
Low Pressure Drop	◆			◆			◆	◆
Low Operating Cost	◆			◆			◆	◆
Potentially Creates Sensory Irritants				◆	◆		◆	



*Per meter cubed. May vary depending on individual sensitivity.

Concerned about your indoor air quality? Ask your Lennox Dealer for an in-home air quality test.

For more information on air quality and air-cleaning strategies, refer to our Homeowners IAQ Guide online at www.lennox.com.

“The new PureAir System from Lennox...was the answer I was looking for. We noticed immediately the difference in the quality of the air in our house. Our four-year-old daughter suffers from allergy-induced asthma...after three days with the system in place, we could see a dramatic improvement in her condition...this air filtration system is worth its weight in gold.”

–Glen Allen, VA

“The Asthma and Allergy Foundation of America (AAFA) recommends controlling the air quality in your home as an effective method to reduce allergy and asthma symptoms. AAFA experts have reviewed Lennox’ PureAir™ System and found that it helps improve air quality.”

–Asthma and Allergy Foundation of America

HEALTHY CLIMATE® PUREAIR™ AIR PURIFICATION SYSTEMS



**CLEANS THE AIR
IN YOUR HOME
BETTER THAN
ANY OTHER
SINGLE SYSTEM
YOU CAN BUY**



*New uncased model
for Lennox' High-
Efficiency Media Air
Cleaner (PMAC)
and Aprilaire filters.*

An air purification system unlike any other

- ◆ Industry-leading air purification technology
- ◆ Only single indoor air quality system to attack all three classes of indoor air contaminants—particles, bioaerosols and odors/chemical vapors
- ◆ Removes particles ranging in size down to 0.3 micron
- ◆ Removes bioaerosols ranging in size down to 0.3 micron
- ◆ Removes and destroys approximately 50% of household odors and chemical vapors in a 24-hour period (based on laboratory and field studies)
- ◆ Standard model uses a MERV 9, 4" pleated filter; uncased model uses a MERV 8, 3" pleated filter
- ◆ 5-year limited warranty on covered components

We build to the highest standards. We stand behind our warranties.

The PureAir™ Air Purification Systems are backed by a 5-year limited warranty on covered components.

Dave Lennox Signature™ Collection PureAir™ Air Purification Systems Specifications

PCO	12C	20C	12U	20U
Pleated Media Filter	MERV 9	MERV 9	MERV 8	MERV 8
Filter Life	1-Year/3,500 hrs.*	1-Year/3,500 hrs.*	6 Months/1,750 hours*	6 Months/1,750 hours*
UVA Lamps	368 nm	368 nm	368 nm	368 nm
Electrical Rating	120V; 1.4 amps; 60Hz; 168 watts	120V; 2.1 amps; 60Hz; 252 watts	120V; 1.4 amps; 60Hz; 168 watts	120V; 2.1 amps; 60Hz; 252 watts
Overall Dimensions HxWxD (in.)	19-1/2 x 11-5/8 x 29	23-7/8 x 11-5/8 x 29	19-1/2 x 9-5/8 x 29	23-7/8 x 9-5/8 x 29
Overall Dimensions HxWxD (mm)	495 x 295 x 737	606 x 295 x 737	495 x 245 x 737	606 x 245 x 737

*Based on average hours of fan operation from six cities when thermostats are placed on "auto" versus "continuous" fan. More frequent filter changes may be required in situation with high dust or dirt loads.

Note: Due to Lennox' ongoing commitment to quality, all specifications, ratings and dimensions are subject to change without notice.



Lennox is proud of the fact that these products have earned the Good Housekeeping Seal.



Asthma and Allergy Foundation of America



The Asthma and Allergy Foundation of America does not endorse any commercial products.



- ① Air conditioner or heat pump
- ② Thermostat
- ③ Furnace or air handler
- ④ Filtration device
- ⑤ Germicidal light
- ⑥ Humidifier
- ⑦ Supply duct
- ⑧ Energy recovery ventilator
- ⑨ Refrigerant coil
- ⑩ Return duct

Total Home Comfort

Lennox is committed to providing you with the finest home comfort and indoor air quality systems. At Lennox, we understand how important it is for you to feel comfortable at home.

Dealers You Can Count On

Choosing the right dealer for your heating, cooling and indoor air quality needs is every bit as important as choosing the right brand. We think you'll agree that our dealers are a big reason why you can count on getting quality customer service when you call.

LENNOX[®] *A better place*[®]
HOME COMFORT SYSTEMS

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Visit us at www.lennox.com, or contact us at 1-800-9-LENNOX.