

Total Home Solutions

For Cleaner, Fresher, Healthier Air



Dynamic[®]
Air Quality Solutions

Dirt and biological growth inside your heating and cooling system can affect equipment performance and lead to overpayment of utility bills, in addition to potential health concerns.

"A dirty filter will slow down air flow and make the system work harder to keep you warm or cool – wasting energy and leading to expensive repairs and/or early system failure."

-Energy Star

"1/8th of an inch of dirt and dust build-up on the blower wheel can reduce airflow by up to 30%"

-Texas A&M Study

Removing the dust from the blower and the air ducts can increase air flow from the registers by up to 20%.

-Adrian Environmental LLC

"A buildup of .042 (1/20) inches of dirt on the heating or cooling coil can result in a decrease in efficiency of 21%."

-Environmental Protection Agency



FILTERS BLOWERS COILS DUCTS



DIRTY — You may be breathing this!



CLEAN

98% of all airborne particles are too small for even the best disposable filter to collect. Replacing your filter with a high efficiency air cleaner will protect your heating and cooling equipment while improving the quality of air in your home.

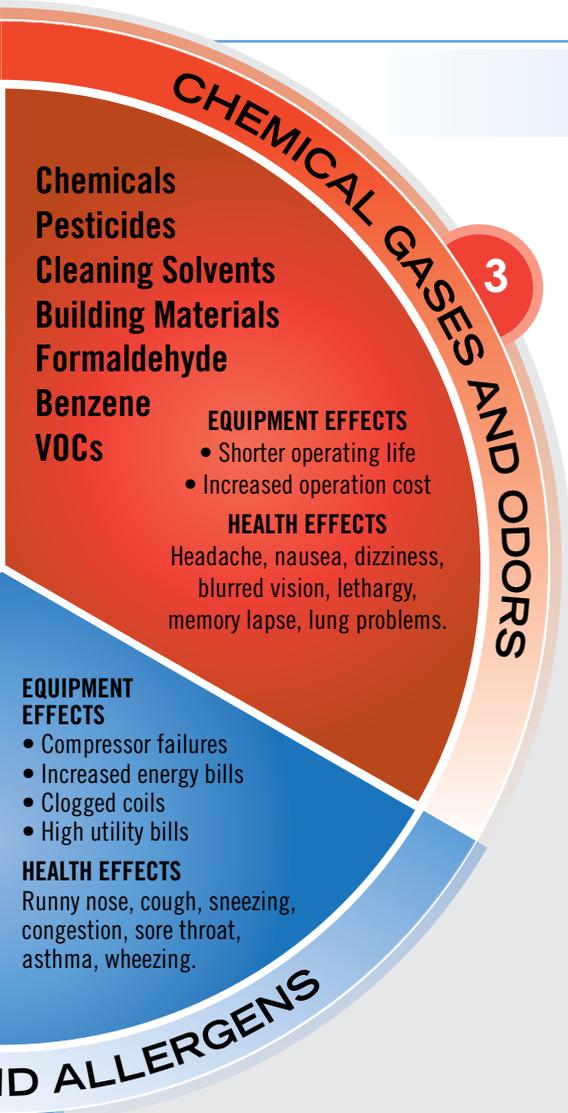
High efficiency air cleaners will keep your HVAC equipment and indoor air clean, lower utility bills, and lengthen equipment life.

"100% of homes tested had toxic compounds including pesticides, cleaning compounds, chemicals found in furniture and building materials, that can be the cause of asthma, allergies and other ailments."
**-Harvard University
 Silent Spring Institute Study**

There are three types of airborne particles that contribute to aggravating allergies, asthma, and other respiratory issues.

Is Your Home Making You Sick?

These three types of airborne contaminants can negatively impact health and HVAC equipment performance.



PARTICLES



Polarized-Media Air Cleaners remove even the smallest submicron particles that are otherwise absorbed into our lungs and bloodstreams to trigger asthma attacks and allergy symptoms. Also effective with odors and gases.

GERMS



A high output UVC Lamp in combination with a Polarized-Media Air Cleaner prevents the spread of flu and colds by breaking down viruses, germs and other airborne pathogens expelled into the air from coughs and sneezes.

GASES



A dual wavelength, high output UVC/UVV System in combination with a Polarized-Media Air Cleaner also controls organic gases and toxic compounds that can cause odors and ailments such as headaches and dizziness.

“Indoor air can be 2-5 times and as much as 100 times more polluted than outside air.”

—Environmental Protection Agency

“50% of all illnesses are either caused by, or aggravated by, polluted indoor air.”

—American College of Allergists

These three types of airborne contaminants responsible for asthma, and other illnesses.

So, what can you do about it?

The best air quality solutions address the causes rather than symptoms, using a whole-house indoor air cleaning strategy. Your heating and cooling system moves over 1 million cubic feet of air everyday through your home. This is the perfect place to address indoor air quality challenges using products designed to specifically address the three types of airborne contaminants. A whole-house air cleaning system that cleans, disinfects, and deodorizes your home 24 hours a day is much more effective than units designed for just a room or two.

Backed by over 30 years of experience and proven success in the engineering of both residential and commercial indoor air cleaning systems, Dynamic has the experts that professional HVAC contractors rely on to address your indoor air quality needs. Dynamic products are designed to support the

proper air flow and high intensity air cleaning that controls sub-micron particles, biologicals and gas phase contaminants.

And be sure to have your indoor cooling coil checked annually and your time-release condensate drain pan treatment changed a minimum of once a year to keep standing water in the drain pan bacteria-free and odor-free. Routine documented maintenance on your HVAC system will protect your system warranty while keeping your system running at peak efficiency. Studies by utility companies and an independent university test show that an improperly maintained and dirty HVAC system can increase your utility payments by as much as 40%.



Dynamic Polarized-Media Electronic Air Cleaner

Advantages of Polarized Media Electronic Air Cleaners:

- Removes mold's food source
- 97% capture rate at .3 microns
- Removes respirable particulates
- Traps some odors and gases
- Brush Seal prevents particle blow-by
- Heavy Duty construction



Helps Control: **1** Particles

Dynamic Air Cleaners use electronic polarized-media technology for maximum air cleaning capability. Active electronic, polarized-media air cleaners use a safe, 24 volt current to establish a polarized electric field. Airborne particles pass through the field and adhere to the media. The air cleaner's efficiency increases as it loads, providing exceptionally high efficiency with air resistance much lower than expensive disposable filters.

Polarized-Media Air Cleaners capture the smallest sub-micron particles, in addition to airborne allergens, and some gases and odors. Polarized-Media Air Cleaners capture 97% of particles at .3 microns and continues trapping particles much smaller in size.

Polarized-Media Air Cleaners install into existing filter tracks, without costly ductwork modifications, turning your home's central heating & cooling system into a whole-house air cleaning system. And maintenance is a breeze. Each Polarized-Media Air Cleaner uses a disposable replacement media pad which can be replaced in just minutes to keep your air cleaner running at peak efficiency.

Advantages of the Series2™ UVC lamps include:

- 3.3 times more power than standard UVC lamps
- Inhibits growth of mold and algae
- UVC destroys bacteria and viruses
- Long service life with low maintenance requirements
- Designed for surface kill and airborne germ control

Helps Control: **2** Germs

Dynamic Germicidal UVC Lamp



The Series2™ Germicidal UVC Lamp is a high-output germicidal lamp that harnesses the energy of the sun's UVC rays to disrupt the DNA of living viruses, bacteria and other living airborne organisms so they can no longer reproduce.

Germicidal UVC is effective against viruses, bacteria, molds and mold spores, pollen, and other pathogens. The Series2™ Germicidal UVC Lamp mounts in the ductwork or plenum to provide maximum whole-house germ control.

Advantages of the Series2™ Oxidizing UVC System includes:

- 3.3 times more power than standard UVC lamps
- UVC oxidizes gases and controls odors
- UVC destroys bacteria and viruses
- Long service life with low maintenance requirements
- Uses the same powerful UVC lamp as in the Germicidal unit

Helps Control: **2** Germs **3** Gases

Dynamic Oxidizing UVC/UVV System



The Series2™ Oxidizing UVC/UVV System is a dual wavelength UVC/UVV system that harnesses the energy of the sun's UVC and UVV rays to control germs and gases. It is capable of superior odor control with the patented and adjustable UVV lamp chamber. The powerful UVC lamp kills and sterilizes germs while the photo chemical reaction taking place with the UVV lamp controls gases and odors in the home.

Dynamic Air Quality Solutions

P.O. Box 1258, Princeton, New Jersey 08542
800.578.7873 • fax 609.924.8524 • www.DynamicAQS.com



Improving the Air You Breathe™