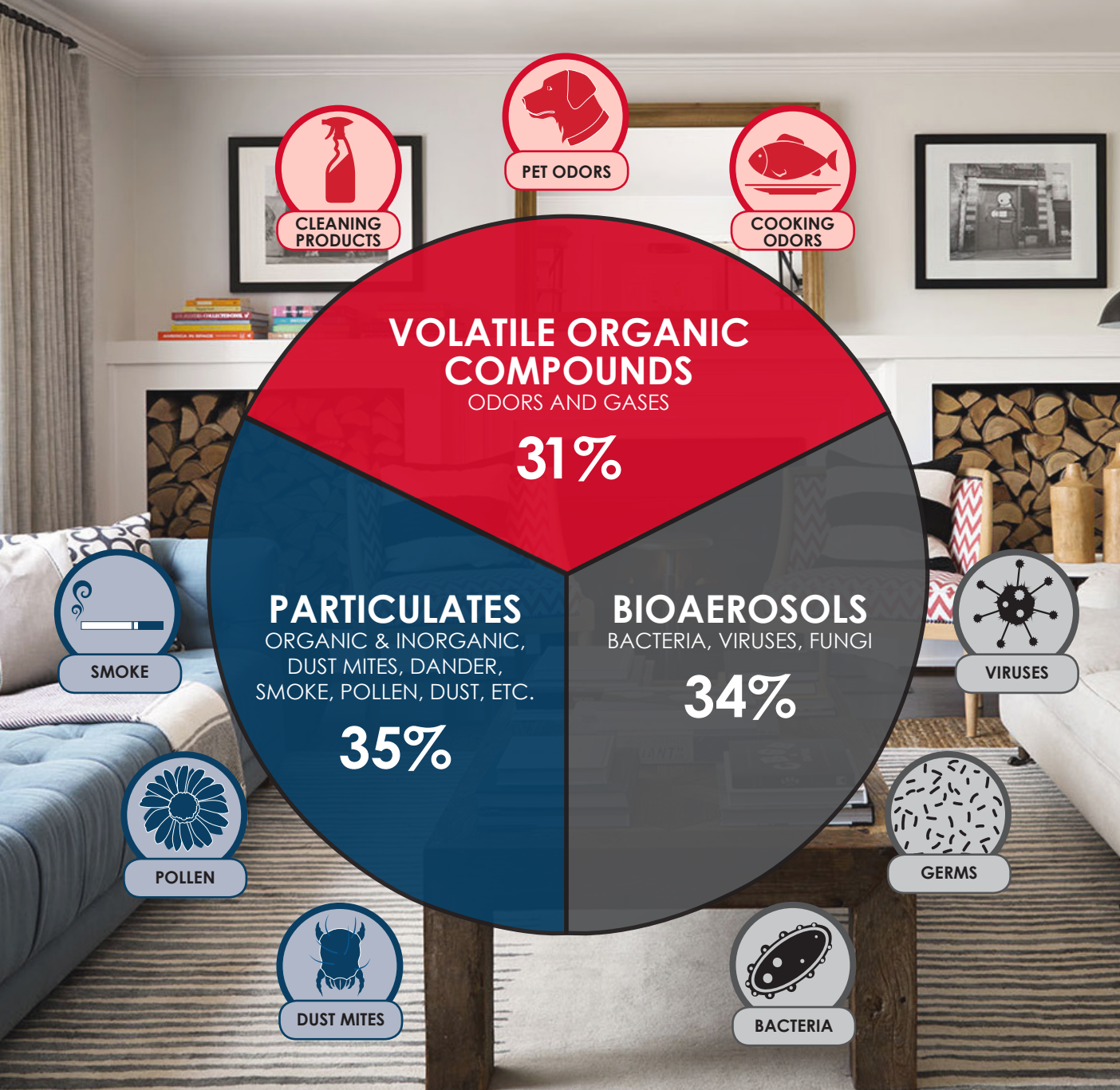


# WHAT'S IN YOUR AIR?

WE HAVE SOLUTIONS FOR ALL YOUR INDOOR AIR QUALITY PROBLEMS



## INDOOR AIR FACTS YOU MAY NOT KNOW

### 1. The EPA Ranks Indoor Air Pollution as a Top 5 Environmental Danger

The most commonly discovered sources of indoor air pollution include combustion sources, building materials, chemical products, organic matter, and outdoor air pollution which makes its way indoors.

### 2. Hundreds of Harmful Chemicals are Released Every Day

Small things most people do on a daily basis can quickly lead to a dramatic deterioration of indoor air quality. Hundreds of potentially harmful chemicals are emitted or released by household cleaning agents, personal care products, paint, and solvents used on a regular basis.

### 3. The Quality of Indoor Air Can Be More Polluted Than Outside Air





One of the most surprising statistics reported by the EPA is that the level of indoor air pollution can be anywhere from 2 to 5 times more polluted than the worst outside air.

### 4. Pediatric Asthma Rates Have Jumped 72%

Numerous indoor air pollutants have been directly tied to causing or increasing the risk of asthma developing in children. By purifying the air you breathe in your home, you will be creating a more favorable environment for your kids and your health.

# We have the right whole-house solutions for your home

Over the past several years, the Environmental Protection Agency has consistently ranked indoor air pollution as one of the most concerning environmental dangers we all face daily. It is estimated that most people spend about 90% of their time indoors. Because of the time we spend at work, school, and of course, at home, the quality of the air we breathe should be a major concern for all of us. Below we give you solutions for indoor air pollution problems.

<p><b>PROBLEM: Particulates/Airborne Particles</b> <i>Dirt, Dust, Pollen, Spores, Smoke, Pet Dander, etc.</i></p> <p><b>SOLUTION: Filter, Air Purifiers</b> Air Filters capture airborne particulates by either trapping them within the filter's material or by magnetically charging the particles and collecting them. Some Air Purifiers do the same, and in addition provide germicidal purification to disinfect bioaerosols.</p> 	<p><b>PROBLEM: Bioaerosols</b> <i>Living Airborne Micro Organisms such as: Bacteria, Viruses, Germs, Mold Spores etc.</i></p> <p><b>SOLUTION: UV Lights, Air Purifiers</b> UV Lights provide an ultraviolet germicidal treatment to provide a dependable line of defense against bioaerosols. Some Air Purifiers also attack bioaerosols by "electrocuting" them within the special media filter, rendering them ineffective. These processes reduce your contact with airborne pathogens and improve the quality of the air you breathe.</p> 	<p><b>PROBLEM: Volatile Organic Compounds (VOCs)</b> <i>Pet Odors, Chemical Gases, Solvents, Cooking Odors, etc.</i></p> <p><b>SOLUTION: Ventilators, Oxidation Generators</b> One way to reduces Odors and Gases (VOCs) is to simply get rid of them by ventilating them and replacing them with fresh air. This is not always economical during hot or cold weather. An Energy Recovery Ventilator (ERV or HRV) can economically ventilate your home by recovering wasted energy. Another way to reduce VOCs is by changing their molecular configuration through an oxidation process using either Hydroxyl or Oxygen radicals. Some UV Lights provide this feature.</p> 
<p><b>PROBLEM: Air is too dry</b> <i>Itchy or Cracked Skin, Eye Irritation, Dry Stuffy Nose, etc.</i></p> <p><b>SOLUTION: Whole-House Humidifiers</b> Humidifiers put moisture back into your air through your home comfort system. Moisture in the air can help you feel more comfortable at lower, more economical temperatures. There are also health benefits for your skin and respiratory system with moisturized air. Humidified air can reduce the growth and spread of bioaerosols that thrive in dry conditions.</p> 	<p><b>PROBLEM: Air has too much moisture</b> <i>Mold Spores, Dust Mites, Allergens, Noxious Chemicals, etc.</i></p> <p><b>SOLUTION: Dehumidifiers</b> Dehumidifiers reduce the amount of excess humidity in your home's air. This has both comfort benefits and health benefits. Drier air allows you to feel more comfortable in your home at higher indoor temperatures. The temperature may be 76° in your home, but the heat index may be 70°. This saves you money with your cooling costs. Drier air helps in reducing moist environments where mold and allergens might grow and thrive. It can also reduce surface sweating, typically found in cool damp areas like basements and unventilated spaces.</p> 