



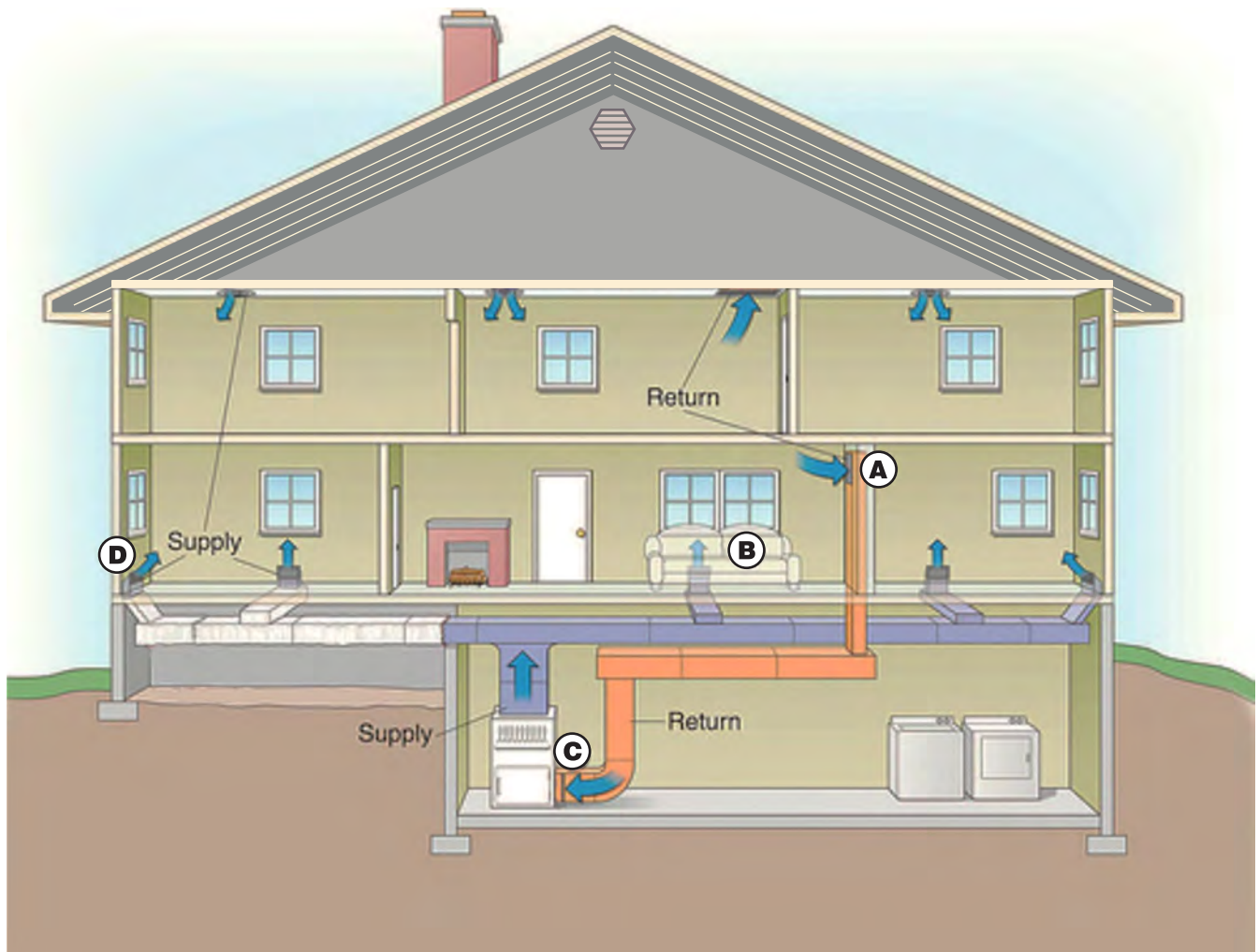
PLUMBING • HEATING • COOLING • ELECTRIC



**Your Comfort Guide to Fresher,
Cleaner, Healthier Air in Your Home**

Did you know that every bit
of air in your home goes through your
furnace 3-5 times per hour?

That is over 26,000 times per year!!



Ⓐ Return Vent

Ⓒ Return Filter Rack

Ⓑ Supply Register

Ⓓ Supply

Did You Know?

Your beautiful **"clean"** home could be a major source of airborne contaminants that could prevent you and your family from feeling **"healthy"** and **"energetic"**. Allergenic particles such as pollen, dust, mold spores, fungi spores, tobacco smoke, dust mites feces, pet hair and pet dander all contribute to poor indoor air quality.

In one ounce of dust up to **40,000 dust mites** can thrive! Each releasing **20 fecal pellets** a day into the air you and your family breathe. A typical mattress may have anywhere from **100,000 to 10 million mites** inside. Also, bedroom carpeting and household upholstery support high mite populations.

Want fresher cleaner healthier air?



We can help get rid of these guys!

Unless you need another million pets in your bed or on your pillow.



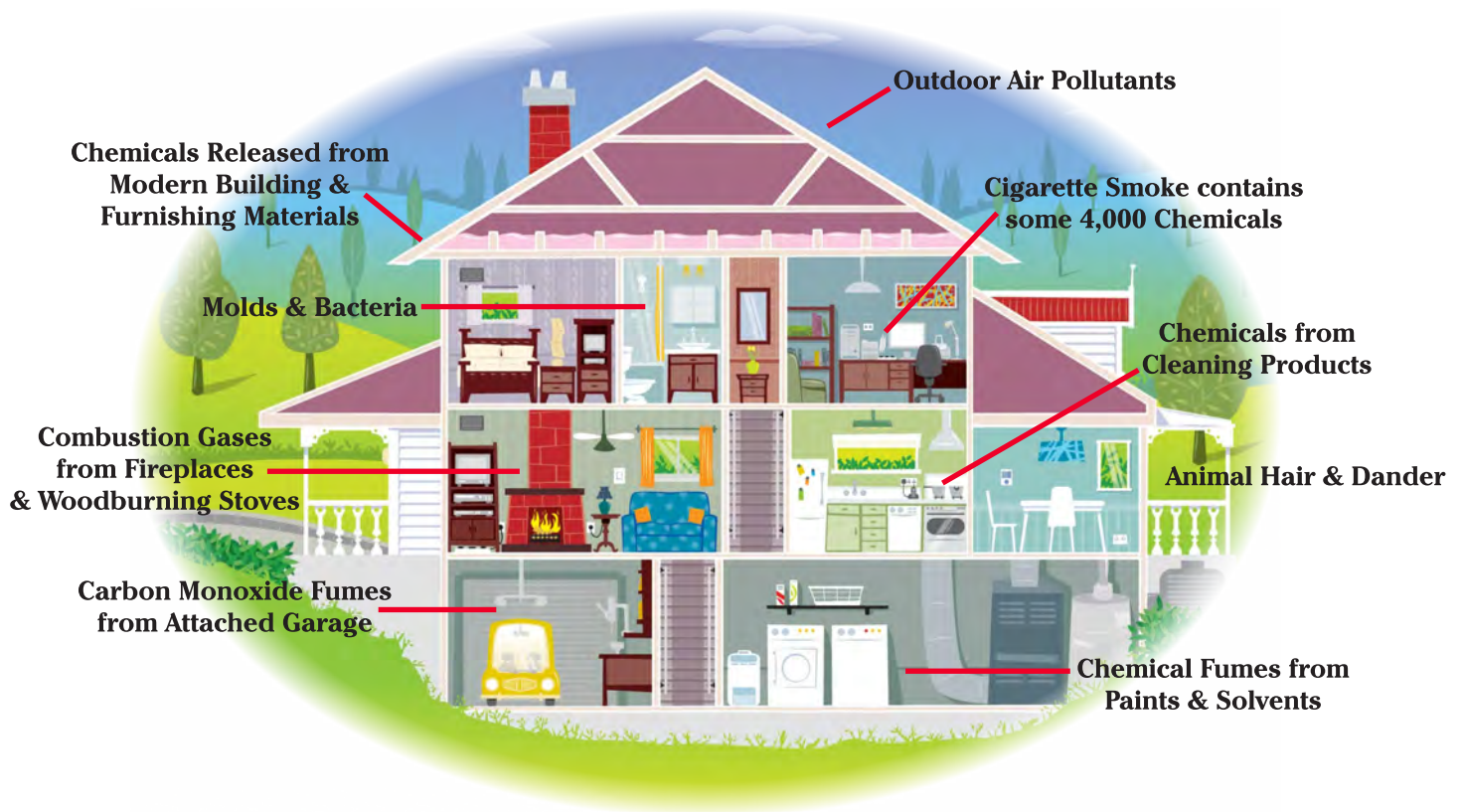
Is Your Home Making You Sick?

Recent studies have proven that the air in our home is much more polluted today than 30 years ago. **The EPA states that the air in our homes can be 2 – 5 times and as much as 100 times worse than the worst outside air.** This is due to energy efficient “tight homes” that lower our utility bills, but they do not allow the house to breathe, trapping in dust, allergens, germs, and gases.

HELP™ PLUMBING, HEATING, COOLING AND ELECTRIC belongs to a national organization of Indoor Air Quality (IAQ) experts. They have done extensive research on the cause and symptoms of indoor air pollution and promotes “whole house” air cleaning solutions for residential homes. With public awareness on this issue increasing through news publications, television, and radio coverage, the problem has become overwhelmingly evident; yet the solutions vary and can be confusing and even misleading.

You've probably heard products advertised on talk radio or seen infomercials on television boldly promoting the benefits of their “super filters”. Or perhaps you've read about “table top room filters” or “ion boxes” that claim to provide substantial IAQ benefits. One highly advertised room air cleaner claims to be highly effective at removing airborne particles from a room, and claims that customers are 100% satisfied with its quiet operation. A major consumer testing organization analyzed these claims and determined that customers were satisfied with the noise level because the unit has no fan. However, when tested for its effectiveness at removing airborne particles and gases, this “breeze” of a unit **performed very poorly** and was **rated the worst** in the market, mainly because it has no fan to move air to the device. *Good Housekeeping* goes even further and in their words: “**Bottom line...save your money.** You can't rely on this product to clean the air in your home.” The confusion about how to solve IAQ problems has never been greater... and even after investing hundreds, even thousands of dollars attempting to alleviate the health problems that poor indoor air quality aggravates, the suffering goes on. The simple fact is that unless you have a “whole house” IAQ strategy, you're only making a very marginal difference in the quality of the air in your home.

Sources of Indoor Pollutants



Additionally, common household furnishings such as draperies, carpeting, wall-paper, paints, stains and furniture may continue to “off-gas” potentially toxic fumes for a long time after application or installation. The Harvard School of Public Health conducted a study on this issue. **Of 120 homes tested, 100% of the homes tested positive for airborne toxic compounds in potentially harmful levels.** John Spengler, a Professor of Environmental Health at Harvard said, “The surprising finding was how many chemicals we found in every house. They all had more than twenty compounds and some of the compounds are banned substances.”

Another health problem associated with a tight home is the relative ease by which viruses and bacteria brought into the home by one person can readily transfer to other people in the home.

AIR CIRCULATION IN YOUR HOME TODAY



RECIRCULATED AIR

! "What you can't see can hurt you! In your home, 99 percent of the contaminants that affect your health are invisible to the naked eye."

TOXIC GASES



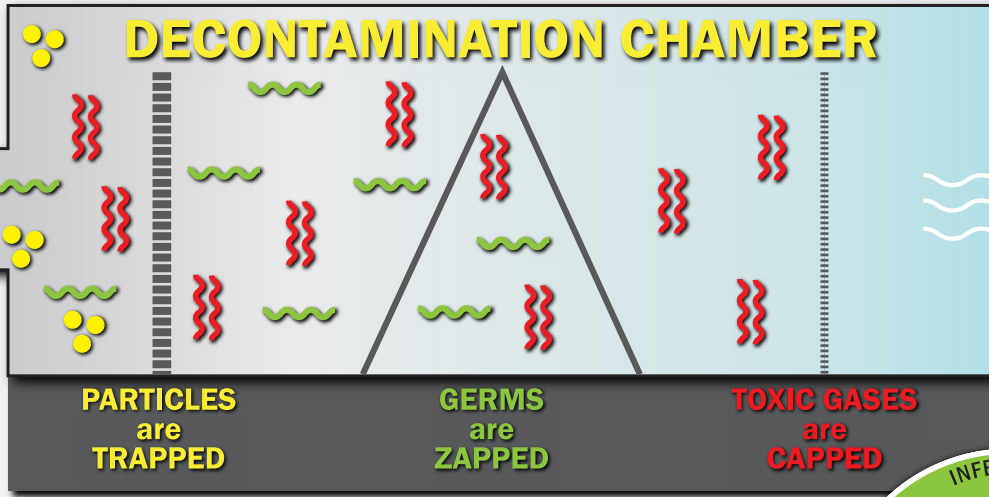
GERMS



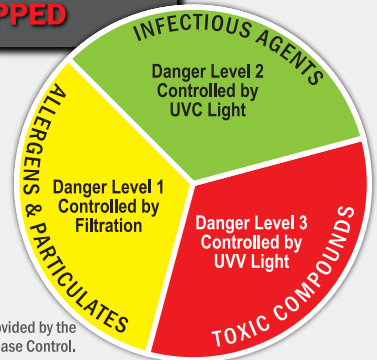
PARTICLES



AIR THERAPY FOR DRUG-FREE WELLNESS



- MicroPower Guard
PureSept HEPA
- Quantum UV
- Quantum PCO/
OxyQuantum UV



Graphic data provided by the US Center for Disease Control.

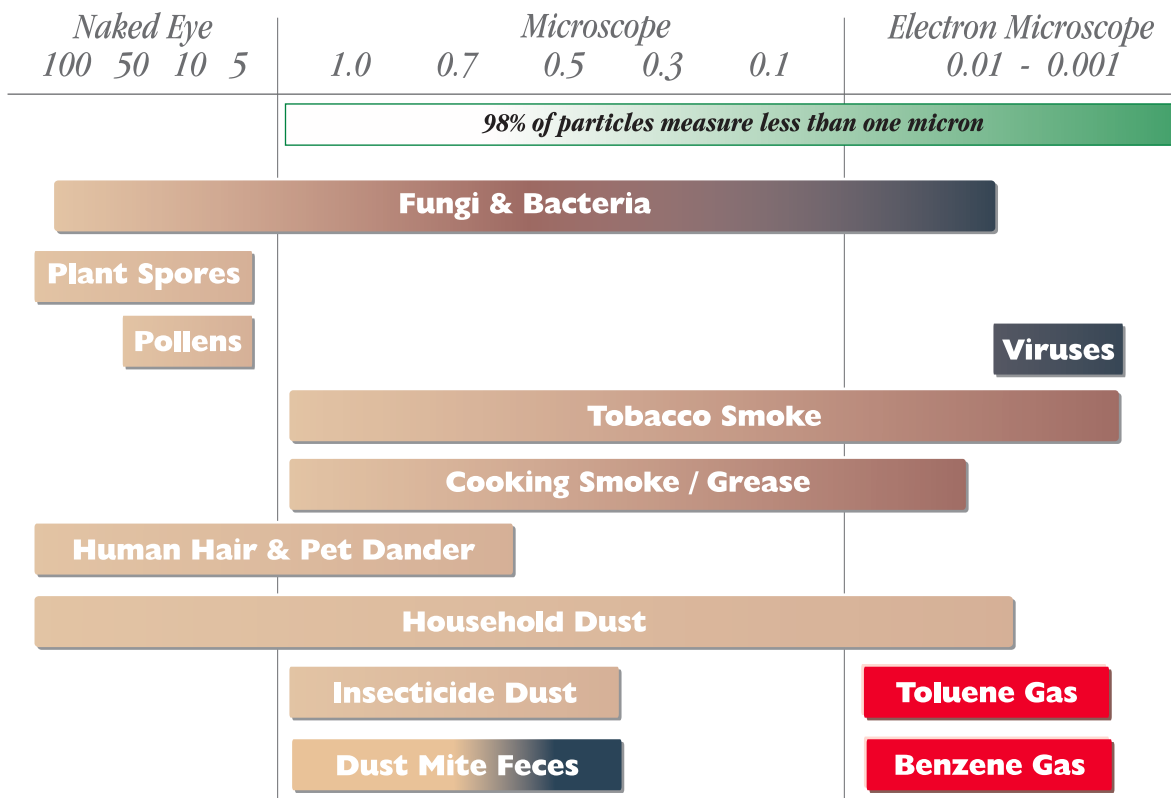
98% OF ALL INDOOR AIR PARTICLES ARE LESS THAN ONE MICRON IN SIZE

A micron is a metric measurement used to analyze very small particles. One micron is equal to 1/25,400 of an inch or one millionth of a meter. The chart on below provides a visual representation of the spectrum of common air contaminants and their measured sizes in microns.

Of particular importance when discussing indoor air quality solutions is how effective a product is at capturing/controlling contaminants 2.5 microns or less in size. Any particles less than 2.5 microns are classified as a Respirable Suspended Particle (RSP) and the health hazards with these small particles is great. RSP's are particles that are small enough to evade mucosal capture by the protective cilia and mucosa of the human upper respiratory system and invade the deeper reaches of the lungs with serious health consequences. In fact, any particles of five microns or less are considered a definite inhalation hazard because of the inability of the human body to filter effectively these particles from the lungs.

Allergenic particles, infectious agents and toxic gases can cause allergic reactions, headaches, sickness and many other illnesses. Since 98% of airborne contaminants are less than one (1) micron in size, knowing the effectiveness of any product at controlling submicron particles is very important when making a decision on an air purification system for your home.

Micron Size and Visible With The:



5 MICRONS OR SMALLER WILL PASS THROUGH HUMAN LUNGS AND ENTER THE BLOODSTREAM.

- American Lung Association

CDC's 3 Danger Levels

The EPA reports that our indoor air is two to five times and can be as high as 70 times WORSE than the worst outside air. If your home was built in the last 30 or 40 years, it is called a "tight home". It was built to conserve energy by keeping cold air out in the winter and hot air out in the summer. But that weather-tight efficiency brought about a whole new problem. . . indoor air pollution! And, as you can see in this diagram, the pollution in most homes today can be categorized into three different danger levels that are the cause of many allergies, asthma attacks and other chronic ailments.

Danger Level 2

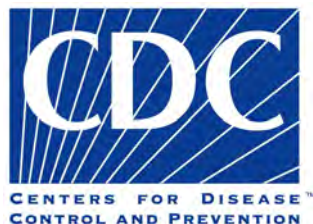
So if your home is so weather-tight, how did the pollutants get in? It came in through open windows and doors in the form of dust, mites infested dust and pollen. It came in on your pets. It came in on you and your clothing in the form of bacteria, viruses and chemicals. And it came in on your carpeting, drapes, furniture, paint, cleaning solutions, hobby materials and even your appliances!

Graphic data provided by the U.S. Centers for Disease Control. The three levels represent an analysis of the causes and aggravations of allergies and asthma.

Danger Level 1



Short of never leaving your home or never letting anyone or anything in, you can't stop this ongoing invasion. But you CAN do something about it. And, as you can see from the diagram, the sooner the better! You can control the purity and freshness of the air in which you spend 90% of your time. Just by reading this material, you are taking your first exciting step towards cleaner, fresher and healthier air!



Danger Level 3

Start Living a Healthier Life *Today!*

Control air purity

The air you breathe inside your home could be the most polluted air you breathe all day. In fact, the EPA has named indoor air pollution as one of the top five environmental risks to public health. With the amount of time spent indoors, it's no wonder so many people suffer from allergies, asthma and other illnesses.

Here's what's happening in the air you're breathing right now.

- **Just one cubic foot of air can have more than 30 million pollutants**—that's 100 times more than the air outside. Polluted air like this causes 94% of all respiratory problems.
- If you see dust in the air or on your furniture, what you're really looking at are mold spores, pet dander, bacteria, pollen and other harmful contaminants. **About 40,000 dust mites, which increase the chance of asthma development,*** can live in just one ounce of dust.
- In addition to visible contaminants, there's an alarming concentration of **harmful particles** that are invisible to the human eye. Particulate matter like this is the leading cause of poor indoor air, and it's found in 85% of homes.*
- Every time you **dust or vacuum, you actually increase particulate concentration.**
- It's not just your family that suffers. **Contaminants can also have a damaging effect on your furniture, appliances and other electronics.**

Indoor air pollution is a problem in almost every home—including yours. *HELP™* can help you fight back at the particles that are harming your home and your family.

**AirAdvice State of Our Indoor Air Report, 2007*

Delivering improved comfort to your home and family.

HELP™ has spent over 80 years perfecting its line of industry-leading products to help make sure your indoor air is as clean and comfortable as it can possibly be.

Whether you want standard air cleaning functionality, or you want 98% effectiveness at removing particles as small as one micron—that's 1/100th the diameter of a human hair—*HELP™* has the solution that's right for you.

All of our products work silently as they permanently trap particles. Pure, clean air is then delivered through your heating and cooling system to every room in your home.

Enjoy the benefits of whole-home air cleaning

- **CONTROL** *health*
- **CONTROL** *dust*
- **Protect YOUR HOME AND FURNISHINGS**



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HELP™

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Our Commitment to Quality



Air Treatment System 90 Day Guarantee

With the purchase of a new
Air Treatment System,
we guarantee that you will
have cleaner, fresher
and healthier air in your home
or we will refund
100% of your money.



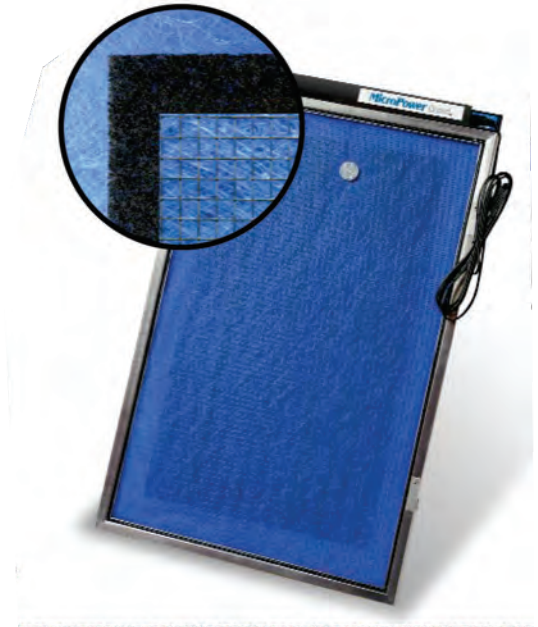
Fast, friendly service for over 80 years.

MicroPower

Guard Filters



The MicroPower Guard® uses an active electromagnetic field to magnetize both airborne particles and the fibers of the disposable filter pad. This creates a virtual "force field" within the ductwork, capturing many of the smallest, most dangerous to breathe submicron airborne particles. This 1" filter is the most cost effective and easiest to maintain electronic air cleaner available for Thompson Plumbing Heating and Cooling and is an essential component of any air purification system. Each disposable filter pad remains at peak operating efficiency for about four months before needing to be replaced.



Available in standard sizes 12" x 24" through 25" x 25" and in custom sizes to fit your needs (please allow two weeks for custom fabrication). A 24 Volt adaptor is also available. Replacement Media for standard and custom sizes is available in economical 3 Packs.



Ultraviolet Germicidal Air Purifier



- High Output U-Shaped UVV Lamp
- Reduces Germs, Bacteria & Toxic Gases

An essential part of whole-house air purification, the dual lamp OxyQuantum® LED is a combination UVC and UVV system designed to dramatically reduce and control odors, airborne toxic compounds and infectious agents. The patented UVV chamber provides precise control of UVV output that can be easily adjusted by the homeowner. The high output **190 mW twin UVC lamp** extends almost 16 inches into the ductwork for maximum efficiency. As with all Nature's Home products, the OxyQuantum LED is certified as safe and beneficial for residential use by the International Indoor Air Quality Association. For HVAC systems up to 5 tons.



Installed in your existing HVAC ductwork.

- Medical studies prove the effectiveness of ultraviolet light on germs and infectious agents
- High-output twin UVC lamp kills and controls germs and infectious agents and toxic gases
- Harvard study shows the need to control toxic gases in your home
- Patented UVV light chamber is easily adjustable and controls the amount of ozone
- Prolongs life of HVAC systems and maintains efficiency
- Completely silent
- Specially-treated UVC/UVV lamps have a two-year life

The EPA has ranked indoor air pollution among the top five environmental dangers to the public. EPA research shows that indoor air can be two to five times more polluted than the WORST outside air. Danger Level 2 contaminants are germs, infectious agents, bacteria and viruses. Danger Level 3 is toxic gases, like formaldehyde, toluene, and carbon monoxide. Nature's Home products are designed to contain, control and in some cases, eliminate the causes of indoor air pollution.

This product controls:

Danger Level 2
Danger Level 3



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Every home needs a humidifier

The air inside your home is drier than you think.

Heating your home dries out the air. The resulting dry air absorbs moisture from you and everything inside your home. Even newer, tighter built homes will succumb to the negative effects of air that is too dry.



IRRITATION AND DISCOMFORT:

When you heat your home, indoor humidity levels fall below the optimum range. This causes you to experience the discomforts of too dry itchy skin, annoying static shocks and being "too cold" at normal temperatures.



UNHEALTHY AIR:

Viruses thrive in low humidity conditions and can actually increase the likelihood of getting colds, flu and other upper respiratory ailments. The American Society of Otolaryngology (Ear, Nose and Throat) emphasizes the importance of preventing an overly dry environment because it significantly increases susceptibility to infection.



HOME DAMAGE:

When heated air isn't properly humidified, it causes walls and ceilings to crack and wood floors and trim to separate. Expensive musical instruments can go out of tune and electronic equipment can fall victim to static electric charges, requiring expensive repair or replacement.



HIGHER ENERGY COSTS:

Dry air robs the moisture from your skin, making you feel colder, which means you turn up the heat. Dry air also shrinks the framing around doors and windows, resulting in gaps that let in cold air from the outside, making your home less energy efficient.



Enjoy the benefits of
whole-home humidification

- **PROVIDE TOTAL** *comfort*
- **HELP PROTECT YOUR FAMILY'S** *health*
- *Preserve* **YOUR HOME AND FURNISHINGS**
- **SAVE MONEY ON** *energy* **BILLS**

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The Facts About Indoor Air Humidification

Air quality is only a concern outdoors, isn't it?

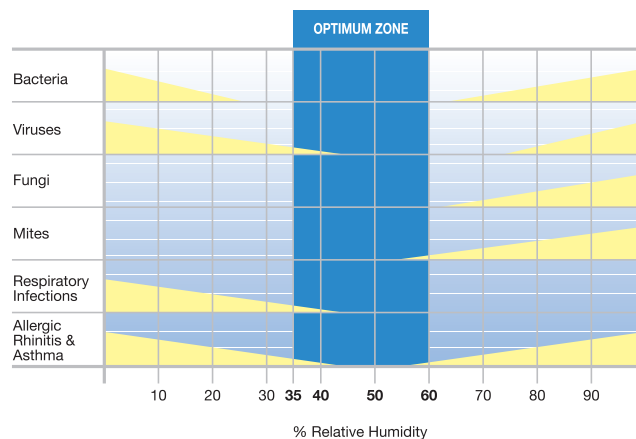
Not true! The air inside your home can be even more of a concern to your health and comfort, especially in the winter. When cold, dry air enters your home and is warmed to room temperature, the relative humidity in the average house can drop to as little as 5%. Compare that to the average 25% relative humidity of the Sahara Desert and you can

understand why the air inside your home can seriously affect your health and comfort. Since various studies have estimated that most people spend as much as 90% of their time at home indoors, there's reason to be concerned about the negative health effects brought about by inadequate relative humidity inside your home.

How does humidity affect my comfort?

Since the air in your home is always trying to reach its saturation point, it will absorb water wherever it's found. That means it is stealing moisture from the bodies of you and your children, your pets, your furniture and even your house plants. By giving up moisture to the air, your skin, throat and nasal passages dry out and crack, leading to various physical discomforts. That's why many doctors recommend humidifiers for allergy and asthma sufferers.

How relative humidity affects air quality



Research has shown that 35% to 60% relative humidity is ideal. Outside this range, bacteria, fungi, viruses and mites thrive and multiply. As these creatures increase in number, so does your risk of being adversely affected.

Are there any other benefits to properly conditioned air?

Yes, it can help you save energy! Warm, humid summer air feels hotter than it actually is because of

the moisture it contains. That same principle applies to your home in the winter. By keeping the relative humidity inside your home at an ideal level, you can turn your thermostat down a few degrees and still feel comfortable. Dialing down your thermostat just three degrees can reduce your heating bill by as much as 5%.

How much humidity does my home need?

How much humidity your home needs depends on its size and construction, which affects the number of air changes experienced per hour. The more frequently the warm air in your home is replaced by colder, drier outside air, the greater the need for humidification.

The Air Conditioning and Refrigeration Institute (ARI), a non-profit trade association, developed and published the guidelines used by most contractors today. The guidelines classify home construction as "tight," "average" or "loose".

Time Release Pan Treatment

**What is the #1 call back on
Water Leaks & Clogged Drains!**

Features and Benefits

- Outlasts all other pan treatments (6 months)
- Available in two convenient sizes
- Least corrosive pan treatment on the market
- EPA registered to kill odor-causing bacteria, unlike most others
- A solid-packaged strip releases the actives, leaving only the used polymer shell/sock to be discarded
- The system provides dependable, sustained time release protection for only pennies a day
- The system adds a light, pleasant scent to the air as it works

Background

All cooling units, whether air conditioners, dehumidifiers or other refrigeration equipment, extract water from the air. Some undesirable consequences may result. These potential consequences may include:

- Overflow from clogged air conditioner drain pans due to the formation of slime. This can cause expensive damage to the ceiling and other property.
- Water in the drip pan supports the growth of fungus, mold, mildew, bacteria, and other microorganisms.
- Contaminants found in drain pans can cause foul-smelling odors.
- Retained water and the bacteria growth in the moist environment can cause corrosion and premature failure to drain pan.

**It's your insurance policy against unnecessary
call backs on maintenance contracts.**



Installation

Install the Time Release Pan Treatment in the condensate pan between the coil and the drain opening. You want to intercept the path of the water to the opening, but not cover the opening itself. Put the strip the farthest from the opening where condensate water occurs. The polyester sock absorbs water and stays where placed in the pan.

Time-Release

The treatment stays dormant when the drain pan is dry. The product will continue activating and deactivating as wet and dry conditions change. Replacement should be done according to a regular maintenance schedule. Simply remove the "old" strip and dispose of properly.

These are state-of-the art in water-activated, time-released polymer technology. The product may be used safely in air conditioner and refrigerator drain pans, or dehumidifier water tanks, or any other non-potable water retention area. The system is registered with the Environmental Protection Agency (EPA Reg. No. 6836-254-80464).

*Please Join the HELP™ Team
In Simply Saying “Thank You”
To a Veteran or Current Military Personnel*



*For Their Courage
For Their Dedication
For Their Sacrifice*



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