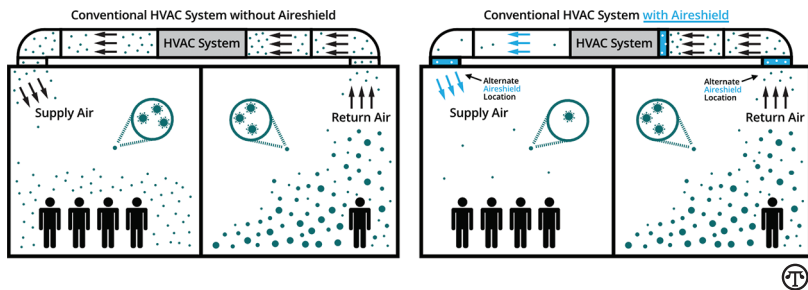




The Healthy Home

Prepare Your Place for the Next Pandemic



Germs, pollution and allergens can be spread around your house by an ordinary HVAC system.

(NAPS)—While more than 1.1 million Americans lost their lives due to COVID-19, according to the National Center for Health Statistics, emerging HVAC technology is now available to protect homes from the next pandemic.

The 2020 pandemic blindsided a nation that found itself without a vaccine and preventatives. Scientists warn a similar coronavirus-type event could wreak havoc again.

SARS CoV-2, like all coronaviruses, was easily transmitted via inhaled and exhaled airborne droplets. Home isolation was often ineffective and didn't offset outside influences, such as returning school-children, parties, or just visitors who can potentially infect unprotected home environments. Air droplets have been proven to move between rooms mainly via the HVAC system's air distribution.

New HVAC Technology Combats Viruses

The good news is that the HVAC industry's air filtration sector has introduced new disinfecting technologies to combat airborne biological contaminants, including coronaviruses. Most sub-micron-sized contaminants, 95% of them smaller than a grain of sand, easily pass through a standard HVAC filter. However, a new third-party-tested technology disinfects airborne pathogens and enhances particulate filtration, which normally would pass through an HVAC system.

One example is Airesield® by Reviveaire LLC. This patented non-thermal plasma disinfection system resembles the size and thickness of a common HVAC fabric filter used in most home central air conditioning and/or heating systems. It's easily installed by HVAC technicians or Do-It-Yourselfers.

How It Works

The non-thermal plasma system electrostatically charges the HVAC supply air with an undetectable plasmic cloud of negative and positive-charged ions. The positive and negative ions electrically attach to themselves and submicron airborne contaminants. This agglomeration process enlarges both biological and non-biological submicron particulates, so they easily entrap in standard fabric



Today's technology, however, offers a solution.

HVAC filters. The electrostatic field also disinfects pathogens.

The process also prevents bio-slime, a sludge that easily grows in the dark, moist environment of cool HVAC coils. Bio-slime potentially cuts HVAC efficiency (thermal transfer) by up to 30%.

Keeping coils clean and efficient can pay back a non-thermal plasma system's cost in 3 to 5 years with energy savings. The system continues providing protection from viruses, as well as everyday concerns such as allergens, flu, common cold and other airborne biological contaminants for 10 years or more.

Protecting a home from everyday airborne contaminants or pandemics requires readiness.

To find contractors who can install Airesield, call Reviveaire at 908.987.7089 or email info@reviveaire.com.