

INDOOR AIR QUALITY



How iWAVE Works

iWave is an air purifying device that installs in any air conditioning or heating system. When air passes over the iWave, ions produced by the device reduce pathogens, allergens, particles, smoke and odors in the air, creating a healthy environment without producing any harmful byproducts.

The ions attach to allergens like pollen and other particles like dust and dander, causing them to band together until they are large enough to be caught by your ventilation system's air filter. By getting the iWave technology, particles can be passed through and the air can be cleaned.



Carrier Germicidal Ultraviolet (UV) Lamps

On your heating and cooling system mold spores, bacteria and fungi stick to the cooling coil damp surfaces which can lead to poor system performance and release of harmful molds and odors. To alleviate these issues, the Carrier germicidal UV lamp is mounted near the cooling coil where fungus and

microbes can grow. The intense UV light is designed to kill bacteria and mold growing on and around the indoor coil, enhancing system efficiency and improving the quality of your indoor air.





KEEPING YOUR HOME SAFE

Defending Your Home Takes a Comprehensive Approach

Viruses spread from infected individuals when they breathe, speak, sneeze or cough. The viral particles are contained in aerosols, the largest of which quickly settle on indoor surfaces, while the smaller ones can remain airborne. And while the SARS-CoV-2 virus itself is extremely small (about 0.1 microns in diameter), the larger respiratory droplets or aerosols that can transmit viruses are large enough to be captured when passing through enhanced air filtration.

Filtration technology does not prevent person-to-person or surface transmission; rather, it helps eliminate particles in the air when they flow through your HVAC system and make contact with the filter. That's why controlling airborne pathogens with Carrier indoor air quality products like the Infinity air purifier makes sense. In addition, following CDC guidelines for personal hygiene and managing surface-based pathogens are important for a comprehensive defense strategy. This includes:





Vigorous hand washing with soap and water for 20 seconds

Cleaning and disinfecting "high-houch" nousehold and personal items such as counter tops, door handles



and cell phones



AIR CONDITIONING & HEATING

Get the Industry Leading



INFINITY[®] **AIR PURIFIER**



and Breathe Healthy Indoor Air



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The Infinity Air Purifier Captures & Kills[®] Coronavirus from Filtered Air to Help Create a Healthier Home

Why the Carrier Infinity[®] Air Purifier Matters

As part of a strategy for slowing the spread of infectious disease in your home, the Infinity air purifier should be considered essential. Featuring our patented Captures & Kills technology, the Infinity air purifier offers proven, third-party tested effectiveness with a 99% inactivation of captured viruses and germs when used as instructed, including:

Coronavirus

- **✓** Common cold surrogate
- **Bacteria that causes strep throat**
- **Human influenza**



Independent Testing at the University of Colorado

Our confidence with the performance of our Infinity air purifier capturing and killing coronavirus from filtered airupon third-party testing at a university environmental —



engineering laboratory that specializes in disinfection science.

• Tests were conducted with a murine coronavirus that is closely related to the human coronavirus SARS-CoV-2, which causes COVID-19

• The murine pathogen surrogate allowed testing to be completed safely. Controlled environment tests showed that the Infinity air purifier inactivated 99% of coronavirus on its filter.

Here's How it Works: Our Infinity air purifier is a specialty unit that installs inline with your existing system. The Infinity air purifier treats the air flowing through your system using a three-step, charge/capture/kill process.



The purifier creates a "cloud" of electrically charged ions that attach themselves to airborne dust, pollen, viruses, germs and other particles as they pass through.



CAPTURE

The ionized particles are pulled toward an oppositely charged, pleated MERV 15 rated filter and captured at an extremely high rate, similar to how a magnet attracts metal shavings.



KILL

Captured airborne microbes remain on the pleated filter instead of recirculating back into the home and are subjected to an intense electric field. There, 99% of select viruses and bacteria are inactivated.

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