Frequently Asked Questions

Q: Do Carrier® air purifiers make any sounds while operating?
A: No. Unlike traditional electronic air cleaners, the air purifiers are silent and create no popping noise.

Q: How efficient are these units’ filters?
A: The Infinity® air purifier is MERV 16. The American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) has established the Minimum Efficiency Reporting Value (MERV) as a common index for evaluating air quality. MERV ratings are designated with numbers from 1 to 16. The higher the MERV rating, the better the filter's performance (percent efficiency) for smaller particles. A MERV rating of 15 requires 85-95% efficiency for the smallest particles tested.

Q: How do I know when to change my filter?
A: Approximately 18 watts.

Q: Are Carrier® air purifiers effective for the 2009 H1N1 Swine Flu virus?
A: The Infinity® air purifier is MERV 16. The Performance™ air purifier is MERV 13. The American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) has established the Minimum Efficiency Reporting Value (MERV) as a common index for evaluating air quality. MERV ratings are designated with numbers from 1 to 16. The higher the MERV rating, the better the filter's performance (percent efficiency) for smaller particles. A MERV rating of 15 requires 85-95% efficiency for the smallest particles tested.

Q: Does Carrier’s meticulous attention to quality and detail led to a major culture shift in the way we live indoors. More than a century later, Carrier Corporation operates with a unique willingness to develop new technology, the confidence to revise proven designs and the ability to deliver results with every new installation.

Part of that equation is our nationwide network of experts you can turn to for all of your indoor comfort needs. Your local Carrier dealer is well equipped to evaluate your home — everything from size, window placement, ductwork, venting and other structural specifics — and create a customized system designed around your lifestyle. So when it’s time to make a choice for your family’s comfort, make the best decision you’ll ever make — Carrier — and let the experts do the rest.

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Pollen and mold spores enter through open doors and windows. Bacteria and viruses spread between family and friends. Dust particles get kicked up by pets. These contaminants can make the air inside your home up to five times more polluted than outdoor air, spreading diseases or triggering allergic and asthmatic reactions.

Healthier Air for the Entire Home

The patented Infinity® air purifier and Performance® air purifier are ideal for homeowners with allergy concerns, those susceptible to indoor germs, such as infants and the elderly, and those sensitive to the effects of mold, pollen, pets, and more.

• Carrier air purifiers offer extremely high air filtration efficiency and patented germicidal technology so effective that they can be used in hospitals and all airborne pathogens such as bacteria, viruses, and mold.

• These air purifiers use the same technology trusted to protect secure government facilities and hospital rooms.

• Unlike many portable air cleaners, Carrier air purifiers are smart and can treat the air throughout your entire home. In fact, they clean over 100 more air changes per hour than some of the popular portable units.

• Carrier air purifiers are as convenient as they are powerful because they don’t require cleaning or replacement. Simply move and replace the media cartridge periodically to maintain peak performance.

Performance® Air Purifier

The Performance® Air Purifier offers a competitively priced alternative with patented Captures & Kills® purification capabilities. It provides a high rate of effectiveness against cold and flu viruses while filtering at an excellent MERV 13 efficiency. The replaceable filter provides several months of effectiveness. The Performance air purifier is also available for use with a Carrier furnace or fan coil.

Independent lab testing on the Performance® air purifier technology has shown a 96% germicidal effectiveness (vaccinia) within 30 hours for the following:

- Viruses – Human influenza and common cold
- Bacteria – Pseudomonas aeruginosa, Staphylococcus aureus, Serratia marcescens, and Streptococcus (tuberculosis surrogate), Serratia marcescens, Pseudomonas aeruginosa, and Streptococcus
- Fungi – Aspergillus versicolor

Independent lab testing on the Infinity® air purifier technology has shown a 96% germicidal effectiveness (vaccinia) within 30 hours for the following:

- Viruses – Human influenza and common cold
- Viroids – Human rhinovirus, common cold
- Acute infections, viral type A influenza, measles, mumps, and coronavirus (SARS)
- Bacteria – Pseudomonas aeruginosa, Staphylococcus aureus, Serratia marcescens, Pseudomonas aeruginosa, and Streptococcus
- Fungi – Aspergillus versicolor

Uncompromising Quality

Infinity® Air Purifier
- Patented Captures & Kills™ technology
- MERV 13 efficiency
- 15-year limited warranty
- Protects the air you breathe
- Enhances equipment operation
- Easy to maintain
- Easy furnace and fan coil models available

Performance™ Air Purifier
- Patented Captures & Kills™ technology
- MERV 12 efficiency
- 10-year limited warranty
- Protects the air you breathe
- Enhances equipment operation
- Easy to maintain
- Easy furnace and fan coil models available

IQAC Factoids – Interesting Facts You Should (or Maybe Shouldn’t) Know

- The EPA has ranked indoor air pollution as a high priority public health issue.
- According to the EPA, 25% of indoor pollutants can be five to ten times higher than their outdoor counterparts.
- Most of us spend about 80% of our adult lives indoors.
- 50% of indoor particles are smaller than one micrometer (one-millionth of a meter). Due to their size, they can get trapped in the nose, throat, and lungs.
- Household dust is present even in clean homes, and can be composed of mold spores, bacteria, viruses, animal dander, human skin particles, fabric fibers, dust mites, parts of cockroaches, fruit and vegetable debris, and other debris.
- Inexpensive filters found at local hardware stores are only about 10% efficient for removing the largest particles.
- Seasonal allergies (hay fever) affects more than 20 million people in the U.S.
- 50 million people in the U.S. suffer from allergies.
- Allergic disease is the fifth leading cause of chronic disease among adults and the third most common chronic disease among children.
- 6% of U.S. citizens test positive for one or more allergies.
- There are approximately 20 million asthma sufferers in the U.S. and six million of these children are in the leading chronic illness in children.
- A sneeze can add 100,000 droplets of pathogen-containing moisture to the air.
- The average person inhales about 2.5 gallons of air per day.

Limited Warranty

To the original owner, the Carrier Infinity air purifier and Performance air purifier are covered by a 10-year parts limited warranty upon time registration. The limited warranty period is five years if not registered within 90 days of installation or purchase where warranty benefits cannot be conditioned on registrant registration. The limited warranty period is ten years if not registered within 90 days of installation or purchase where warranty benefits cannot be conditioned on registrant registration. See warranty certificate at carrier.com for complete details and restrictions. Be sure to ask your Carrier dealer about labor warranties.
Carrier offers premium solutions for estimated 2,300 gallons of air daily, of their time indoors, breathing an Today, as most people spend 90 percent products, our environment and our world. consistently look for ways to improve our accomplishments, but instead resources continues to guide Carrier appreciation of our world and its beauty of the natural environment. This forever and paved the way for over a century of once-impossible innovations. Yet in addition to being an accomplished engineer, he was also anilestone figure. Carrier recognized the power and beauty of the natural environment. The appreciation of our world and its beauty continues to guide Carrier Corporation today. We will never rest on our accomplishments, but instead continue to look for ways to improve our products, our environment and our world. Today, as most people spend 80 percent of their time indoors, breathing an estimated 2.3 billion gallons of air daily. Carrier offers premium solutions for enhanced indoor air quality, the Infinity® air purifier and the Performance™ air purifier. These solutions address the leading chronic illness against indoor air pollution that can aggravate allergies, asthma and other respiratory ailments.

Healthier Air for the Entire Home

The patented Infinity air purifier and Performance air purifier are ideal for homeowners with allergies concerns, those susceptible to airborne germs, such as infants and the elderly, and those sensitive to the effects of mold, pollen, pets, and more.

• Carrier® air purifiers offer extremely high air filtration efficiency and patented germicidal technology so effective they can even capture and kill airborne pathogens such as bacteria, viruses, and mold.

• These purifiers use the same technology trusted to protect secure government facilities and hospital rooms.

• Unlike many portable air cleaners, Carrier air purifiers are smart and can treat the air throughout your entire home. In fact, they clean over 100 times more air than some of the popular portable units.

• Carrier air purifiers are as convenient as they are powerful because no installation is required. Simply replace and replace the media cartridge periodically to maintain peak performance.

Performance® Air Purifier

The Performance® air purifier is a compactly priced alternative with similar Capture® & Kills® purification capabilities. It provides a high rate of effectiveness against cold and flu viruses while filtering at an excel lent MDU 10 efficiency. The replaceable filter provides several months of effectiveness. The Performance® air purifier is also available for use with a Carrier furnace or fan coil. Independent lab testing on the Performance air purifier technology has shown a 99% germicidal effectiveness (inactivation) within 24 hours for the following:

- Viruses – Human influenza, common cold, rotavirus, human adenoviruses, and coronaviruses (HCoV)
- Bacteria – Mycoplasma pneumoniae, Mycoplasma fermentans, Mycoplasma genitale, Paragypsophila, and Streptococcus pneumoniae (bovine enteritis)
- Fungi – Aspergillus erosa

Performance™ Air Purifier

Fits in narrow spaces

Easy to maintain

Enhances equipment operation

Protects the air you breathe

10-year limited warranty*

Patented technology

Germicidal

Captures & Kills™

Fits in narrow spaces

Easy to maintain

Enhances equipment operation

Protects the air you breathe

Germicidal

Captures & Kills™

Limited Warranty

The original Carrier limited warranty on the Infinity® air purifier and Performance® air purifier are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is five years if not registered within 90 days of installation. The limited warranty obligations are subject to the limitations contained in the registration. If you fail to register, you will lose your warranty benefits. See warranty certificate for complete details and restrictions. Be sure to ask your Carrier dealer about labor warranties.
Environment

enhanced indoor air quality – the Infinity® Carrier offers premium solutions for estimated 2,300 gallons of air daily, Today, as most people spend 90 percent products, our environment and our world. consistently look for ways to improve our accomplishments, but instead appreciation of our world and its beauty of the natural environment. This Yet in addition to being an accomplished inventor, he was also an avid outdoors-forever and paved the way for over a much more.

conservation, indoor comfort and preservation, art and historical manufacturing processes, food airborne pathogens such as bacteria, viruses, and mold. bacteria, viruses and mold. Carrier air purifiers are as convenient periodically to maintain peak cleaning is required. Simply remove as they are powerful because no 100 times more air than some of the can treat the air throughout your home. In fact, they clean over 100 times more air than some of the popular portable units. Carrier air purifiers are as convenient as we are helpless because no cleaning is required. Simply remove and replace the media cartridge periodically to maximize peak performance.

How Do They Work? Carrier air purifiers treat 100% of the air flowing through your home comfort system using a unique three-step process.

Phase 1: Precipitate particle ozone charge particles as they enter the purifier.

Phase 2: A specially designed, continuously charged media capture airborne particulate.

Phase 3: Polished, state-of-the-art technology is activated, capturing, bacteria, mold, and mildew and prevent further growth of bacteria and fungi on the filter. Unlike many portable air cleaners, Carrier air purifiers are smart and can treat the air throughout your entire home. In fact, they clean over 100 times more air than some of the popular portable units. Carrier air purifiers are as convenient as we are helpless because no cleaning is required. Simply remove and replace the media cartridge periodically to maximize peak performance.

How Clean is Your Indoor Air?

Pollutants and mold spores enter through open doors and windows. Bacteria and viruses spread between family and friends. Fine dust particles get excited up from floors and furniture. And, the odors and that old poor smell; these contaminants can make the air inside your home up to five times more polluted than outdoor air, spreading disease or triggering allergic and asthmatic reactions.

Healthier Air for the Entire Home

The patented Infinity air purifier and Performance air purifier are ideal for homeowners with allergies concerns, those susceptibilities to airborne germs, such as infants and the elderly, and those sensitive to the effects of mold, pollen, pets and more.

• Carrier’s air purifiers offer remarkably high air filtration efficiency and patented germicidal technology so effective they can even capture and kill airborne pathogens such as bacteria, viruses and mold.
• These air purifiers use the same technology trusted to protect secure government facilities and hospital rooms.

The Infinity® Air Purifier

The Infinity air purifier is our premier air cleaning and purification solution. With patented Capture & Kill™ technology, it provides the highest true germicidal effectiveness with a 99.6% effective rate against selected viruses, bacteria and fungi. An MERV 15, it achieves the highest air cleaning efficiency of any Carrier model. The replaceable filter can provide several months of filtration.

The Performance™ Air Purifier

The Performance™ air purifier uses patented germicidal technology to provide a significant level of air cleaning for use with a Carrier furnace or fan coil. Independent lab testing on the Infinity air purifier technology has shown a 99% germicidal effectiveness (inactivation) within 24 hours for the following:

Bacteria – Streptococcus (causes sore throat)
Viruses – Human influenza and common cold Independent lab testing on the Infinity air purifier technology has shown a 99% germicidal effectiveness (inactivation) within 24 hours for the following:

Bacteria – Bacillus subtilis, Mycobacterium tuberculosis (tuberculosis surrogate), Staphylococcus aureus, Serratia marcescens, Pseudomonas aeruginosa, and Streptococcus (tuberculosis surrogate), Staphylococcus aureus, Serratia marcescens, Pseudomonas aeruginosa, and Streptococcus.

• 5% or less particles are smaller than five microns (one millionth of a meter). Due to their micro size, many escape the human respiratory system.

House dust is present even in clean homes, and can be composed of mold spores, bacteria, viruses, animal dander, human skin particles, fabric fibers, dust mite, pollen of grasses, weeds, and other debris.

Uninexpensive filters found at local hardware stores are only about 10% efficient for the largest particles.

Seasonal air pollutants (hay fever) affects more than 20 million people in the U.S.

90% of U.S. citizens test positive for one or more allergies.

Most of us spend about 90% of our adult lives indoors.

• 50 million people in the U.S. suffer from allergies.

• Allergic disease is the fifth leading cause of chronic disease among adults and the third most common chronic disease among children.

• 56% of U.S. citizens test positive for one or more allergies.

• There are approximately 20 million asthmatics suffering in the U.S. and six million of them are children. It’s the leading chronic illness in children.

• A sneeze can add 100,000 droplets of pathogenic-containing moisture to the air.

The average person inhales about 2,300 gallons of air daily.挥发物

Should (or Maybe Shouldn’t) Know…

IAQ Factoids – Interesting Facts You Should (or Maybe Shouldn’t) Know!

• The EPA has raised indoor air pollution as a high priority public health risk.

• According to the EPA, 20% of indoor pollutants can be cut by five to ten times.

• About 50% of indoor air pollutants can be reduced by 50%.

• Most of us spend about 90% of our adult lives indoors.

• 99% of particles are smaller than one micron (one millionth of a meter). Due to their micro size, many escape the human respiratory system.

• 90% of U.S. citizens test positive for one or more allergies.

• Most of us spend about 90% of our adult lives indoors.

WARRANTY

• The Carrier Infinity air purifier and Performance air purifier are covered by a 10-year parts limited warranty upon timely registration. The limited warranty period is five years if not registered within 90 days of installation. Jurisdictions where warranty benefits cannot be conditioned on registration will receive the registered limited warranty. See warranty certificates at carrier.com for complete details and restrictions. Be sure to ask your Carrier dealer about labor warranties.

Uncompromising Quality

Performance™ Air Purifier

• Patented Capture & Kill™ technology

• MERV 15 efficiency

• 10-year limited warranty

• Protects the air you breathe

• Enhances equipment operation

• Easy to install

• Fits furnace and floor coil models available

Infinity™ Air Purifier

• Patented Capture & Kill™ technology

• MERV 15 efficiency

• 10-year limited warranty

• Protects the air you breathe

• Enhances equipment operation

• Easy to install

• Fits furnace and floor coil models available

Fusor – Aggressive eosinophil

Fungi – Aspergillus versicolor

Bacteria – Bacillus subtilis, Mycobacterium tuberculosis (tuberculosis surrogate), Staphylococcus aureus, Serratia marcescens, Pseudomonas aeruginosa, and Streptococcus.

Independent lab testing on the Infinity air purifier technology has shown a 99% germicidal effectiveness (inactivation) within 24 hours for the following:

• 99% of airborne particles are smaller than five microns (one millionth of a meter). Due to their micro size, many escape the human respiratory system.

• 50 million people in the U.S. suffer from allergies.

• Allergic disease is the fifth leading cause of chronic disease among adults and the third most common chronic disease among children.

• 56% of U.S. citizens test positive for one or more allergies.

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• Most of us spend about 90% of our adult lives indoors.

• 99% of particles are smaller than one micron (one millionth of a meter). Due to their micro size, many escape the human respiratory system.

• 90% of U.S. citizens test positive for one or more allergies.

• Most of us spend about 90% of our adult lives indoors.
Frequently Asked Questions

Q: How does the technology work?
A: In step one, particles entering the air purifier are electrically attracted to the oppositely charged part of a fiber resulting in extremely high collection efficiency. In step three, three cells of captured pathogens are weakened or neutralized due to the electrical and environmental conditions inside the purifier, resulting in cell inactivation or death.

Q: Why is germicidal capability important?
A: Germicidal capability is important because it is capable of capturing and destroying viruses, germs, bacteria, and other harmful pathogens.

Q: How efficient are these units’ filtration?
A: No. Unlike traditional electronic air cleaners, the air purifiers are silent and create no operating noise.

Q: Do Carrier® air purifiers make any sounds while operating?
A: The Infinity® air purifier is MERV 15. The American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) has established the Minimum Efficiency Reporting Value (MERV) so that various filters can be evaluated properly. MERV ratings are designated with numbers from 1 to 16. The higher the MERV rating, the better the filter’s performance (percent efficiency) for smaller particles. A MERV rating of 15 requires 85-95% efficiency for the smallest particles tested.

Q: How do I know when to change my filter?
A: There is no need to wait until your purifier is used in conjunction with the Carrier Infinity Control to notify you when it’s time to change the filter. Most thermostats have a filter change reminder. If not, ask the dealer about a filter change reminder. If not, ask the dealer about a filter change reminder.

Q: What is the power consumption of Carrier air purifiers?
A: Approximately 16 watts.

Q: Is my air purifier effective for the 2009 H1N1 Swine Flu?
A: No. Unlike traditional electronic air cleaners, the air purifiers are silent and create no operating noise.

Q: Are there any odor control benefits to the Carrier air purifiers?
A: Carrier air purifiers are capable of capturing very small particles, down to 0.1 micron. Only odors associated with the presence of particulates will be reduced, not gases or odors.

Q: How are the air purifiers’ health benefit claims with respect to H1N1
A: Product health benefit claims with respect to H1N1 have been removed.

Q: Why is Carrier® a leader in air purification?
A: Carrier® Systems for Unmatched Performance in Every Season

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A: Approximately 16 watts.
Frequently Asked Questions

Q: How does the technology work?
A: In step one, particles entering the air purifier are electrically charged by the precision point ionization array using 30,000 volts DC to create dense ion clouds that attract to the particles. In step two, a specially designed media cartridge is sandwiched between 10,000 volts DC and electrical ground. A strong electrical field is created across the filter, which causes the negative and positive charges within each filter fiber to separate and migrate to opposite sides of the fiber (polarization). Particles entering the filter are electrostatically attracted to the oppositely charged part of a fiber resulting in extremely high collection efficiency. In step three, cells walls of captured pathogens are weakened or ruptured due to the electrical and environmental conditions inside the purifier, resulting in cell inactivation or death.

Q: Why is germicidal capability important?
A: Just capturing particles on an ordinary filter (like Medical Device) is not enough. To prevent the spread of airborne pathogens, the filter must inactivate or kill them. In step three, cells, wall of captured pathogens are weakened or ruptured due to the electrical and environmental conditions inside the purifier, resulting in cell inactivation or death.

Q: Do Carrier air purifiers make any sounds while operating?
A: No. While traditional electronic air cleaners, the air purifiers are silent and create no popping noise.

Q: How efficient are these units’ filtration?
A: The Infinity® air purifier is MERV 15. The American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) has established the Minimum Efficiency Reporting Value (MERV) as a standard to rate filter performance. MERV ratings are designated with numbers from 1 to 16. The higher the MERV rating, the better the filter’s performance (percent efficiency) for smaller particles. A MERV rating of 15 requires 85-95% efficiency for the smallest particles tested.

Q: How do I know when to change my filter?
A: If your purifier is used in conjunction with the Carrier Infinity control, the control will notify you when it’s time to change the filter. Other thermostats may have a timer or reminder built in. Check with your Carrier dealer to find out if your particular thermostat has a filter change reminder. If not, ask the dealer about a semi-annual or annual maintenance service.

Q: Are there any odor control benefits to the Carrier air purifiers?
A: Carrier air purifiers are capable of capturing very fine particles, down to 0.1 micron. Only odors associated with the presence of particulates will be reduced. If odor control is a concern, Carrier recommends installing a ventilator to bring in fresh air.

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Part of that equation is our nationwide network of experts you can turn to for all of your indoor comfort needs. Your Total Indoor Comfort System is designed around your lifestyle. So when it’s time to make a decision for your family’s comfort, make the best decision you’ll ever make – Carrier – and let the experts do the rest.

The Total Indoor Comfort System

Q: How do you choose the right air purifier for your needs?
A: A: The Infinity® air purifier is MERV 15. The Performance™ air purifier is MERV 13. The American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) has established the Minimum Efficiency Reporting Value (MERV) as a standard to rate filter performance. MERV ratings are designated with numbers from 1 to 16. The higher the MERV rating, the better the filter’s performance (percent efficiency) for smaller particles. A MERV rating of 15 requires 85-95% efficiency for the smallest particles tested.

Q: Are Carrier® air purifiers effective for the 2009 H1N1 virus or flu strain?
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