

Heating & Air Conditioning
Amana

A comprehensive look at indoor air quality

FEATURING...

- AIR FILTRATION
- VENTILATION
- UV AIR PURIFICATION
- HUMIDIFICATION

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“Every human has a fundamental right to an environment of quality that permits a life of dignity and well-being”

– United Nations Conference on the Human Environment, Stockholm



HOW IMPORTANT IS THE AIR IN YOUR HOME?

As a leader in the HVAC industry, everyone associated with the Amana® brand takes indoor air quality (IAQ) very seriously. According to the Environmental Protection Agency (EPA), American homeowners spend up to 90% of time indoors, with up to 50% of that time spent in the home.

Think about it: pollen, fungi, bacteria, viruses, dust and mites are all uninvited guests at most homes. And they're not the only troublemakers. Tobacco smoke, pet dander and smoke from cooking affects indoor air quality. So do particles emitted from air fresheners, carpets, glues, household cleaners, paints, varnishes, pressboard furniture... the list goes on and on. All of these elements can adversely contribute to indoor air quality unless your home is equipped with enhanced indoor air quality systems.

Amana® brand products can provide you with improved indoor air quality.

There are four primary considerations to make that will help you to enhance the air quality inside your home.

- AIR FILTRATION
- VENTILATION
- ULTRA VIOLET AIR PURIFICATION
- HUMIDIFICATION

Each option provides specific benefits and the Amana brand offers a wide selection of exceptionally engineered products. Consult with your installing contractor to determine which components or combination of components will best suit your indoor air quality needs.

AIR FILTRATION

High-efficiency Amana brand media air cleaners, electronic air cleaners, and HEPA filters can improve your HVAC system's ability to filter allergens and other particles from your home's indoor air. Here is a partial list of particles that enhanced air filtration can capture and remove.

- *Dust and Dust Mites*
- *Bacteria and Viruses*
- *Pet Dander*
- *Pollen*
- *Tobacco Smoke*
- *Cooking Grease and Smoke*

High-Efficiency Electronic Air Filters

With a 4-stage air cleaning process, pre-filters, charging section, grounding plates and carbon filters, Amana brand electronic air cleaners can efficiently remove atmospheric and household dust, coal dust, insecticides, dust mites, pollen, mold spores, fungi, bacteria, cooking smoke and grease, pet dander, tobacco smoke particles and other indoor air particles as small as 0.01 micron in size.

Amana brand ASAS High-Efficiency Electronic Air Cleaner

- Two pre-filters prevent lint and large particles from entering the collecting cells
- Activated carbon filters help remove unpleasant indoor odors
- Performance indicator light ensures proper air cleaner operation
- Air-proving switch automatically cycles air cleaner off/on as needed
- Easy-to-clean washable permanent collecting cell filters
- Quiet operation
- Delivers up to 2000 CFM (Cubic feet per minute) performance



High-Efficiency Media Air Cleaners

Amana brand charged-media air cleaners can capture and remove particles as small as 0.3 microns in size. The actual filter lasts longer than a typical 1-inch filter and maintains its efficiency over the useful life of the filter.

Amana brand AMU High-Efficiency Media Air Cleaner

- High-efficiency MERV 11 filter rating helps remove household particles down to 0.3 microns in size
- Rated 1200 – 2000 CFM (Cubic feet per minute, a standard of airflow measurement)
- Easy-to-change filters
- A lower cost option to significantly improve the indoor air quality of your home compared to electronic media air cleaners.



Amana brand A13MU High-Efficiency Media Air Cleaner

- High-efficiency MERV 13 filter rating helps remove household particles down to 0.3 microns in size

- User-friendly, easy-to-change filter cartridge
- Filter lasts up to one year
- Reversible airflow
- Easily upgrades to the new Amana "D Series" High-Efficiency Electronic Air Cleaner
- Heavy-gauge galvanized-steel cabinet resists corrosion

Electronic Media Air Cleaners

Amana brand ARAM2000 Right-Angle Media Air Cleaner

- High-efficiency MERV 11 filter rating helps remove household particles down to 0.3 microns in size
- Rated up to 2000 CFM
- Designed for vertical installations
- Easy-to-change filters

Amana brand AGM20 Return Grille-mount Electronic Air Cleaner

- Collecting cells are constructed of heavy-gauge aluminum for durability and easy maintenance
- Two pre-filters are constructed of aluminum mesh to prevent lint and large particles from entering the collecting cells
- Easy-to-clean plastic intake grille
- Performance indicator light ensures at a glance that the air cleaner is operating properly

Amana brand A1EAC Electronic Air Cleaner

- MERV 10 efficiency rating
- Fully electronic, high-efficiency carbon-graphic-center screen filter removes particles as small as 0.01 micron in size
- Does not create ozone during use
- Designed to operate with constant power on or with the system's fan blower to help support reliable, long-term performance
- Works with all central HVAC residential heating and cooling systems
- Easy-to-clean corrosion-resistant construction



Whole-House HEPA Filtration

To qualify as a true HEPA (High Efficiency Particulate Air) filter, the unit must have a documented filtration efficiency of 99.97% against 0.3 micron-sized particles. HEPA air filters connect to the return-air duct and divert up to 50% of that air through a tightly sealed filtration system. Depending on the size and design of your home, Amana brand HEPA filters can help you achieve up to several whole-house air changes a day.

Amana brand AHEPA Whole-House

- Activated carbon pre-filter helps removes lint helping to extend the life of the HEPA filter
- Carbon VOC (Volatile Organic Compound) filter (included with Model AHEPA550) helps remove odors and off-gasses
- Removes atmospheric and household particles
- Easy-to-change filters
- Can be mounted on ceiling, wall, floor or free-standing installation

Amana brand DMH900 Whole-House HEPA Air Cleaner

- Pre-filter rated at MERV 11
- Long-life, HEPA media filter removes particles as small as 0.3 micron in size

- UVC light and CinQuartz® Photo-Catalytic Oxidation (PCO) filter decompose organic materials into basic molecules such as H₂O and CO₂
- Carbon/Potassium Permanganate final filter removes some organic compounds and light gasses
- UVC germicidal lights are enclosed in an anodized ultra violet light reflector to intensify and focus UV light
- One-piece, easy-to-clean cabinet



VENTILATION

Amana brand products offer high-quality Heat Recovery Ventilators (HRVs) and Energy Recovery Ventilators (ERVs), which are designed to bring in the fresh air and expel the stale indoor air. Plus, Amana brand products have a full line of controls and accessories for both the ERV and HRV series.

ERV or HRV?

The outdoor climate in which your home is located will determine which type of ventilator you need. HRV's are generally recommended for colder climates with longer heating seasons, ERV's are typically for warmer, more humid climates with long cooling seasons.

Amana brand ERV series Energy-Recovery Ventilator

- Washable, electrostatic, panel-type air filters
- Factory-balanced EBM™ external rotor motors with backward-curved blades
- Energy-efficient, aluminum heat recovery ventilator and enthalpy energy recovery ventilator core are configured for efficient cross-flow ventilation
- External, three-position rocker switch offers continuous ventilation
- Optional remote controls provide easy operation
- Activated carbon pre-filter helps removes lint helping to extend the life of the HEPA filter



UV AIR PURIFICATION

UV Air Purifiers employ ultra violet light to reduce airborne bacteria that can be found in indoor air. Two major factors determine the effectiveness of UV air purifiers: the intensity of the UV source and the length of time that the bacteria are exposed to the light source. The longer the bacteria are exposed to the ultra violet light and the more intense the light rays, the more effective the unit is in reducing airborne bacteria.

Amana brand UV Air Purifier

- Patented, high-efficiency aluminum Turbulator slows the air to be mixed around the UV lamp
- Larger, high-intensity UVC/UVB quartz dual-zone lamp creates more purifying surface area
- In-duct installation for whole-house purification
- Pressure sensor automatically turns unit off and on
- High-intensity, quartz germicidal UVC lamp and UVC/UVB germicidal oxidizing lamp
- Reduces chemical and biological orders and volatile organic compounds

Amana brand UV Object Purifier

- Basks the evaporator coil surface with germicidal light energy which helps in reducing microbial growth on the coil
- High-intensity quartz germicidal UVC lamp
- Ultra-bright LED 'Smart Lamp System' visual display
- Patent-pending, aluminum parabolic reflector directs and intensifies all UV light energy to a targeted area
- Parabolic reflector is designed to protect the evaporator drain pan from UV light degradation
- Reduces growth of bacteria, mold, and viruses



HUMIDIFICATION

Avoid static electricity shocks and enjoy comfortable indoor humidity levels with a Amana brand fan powered or by-pass whole-house humidifier.

Amana brand By-Pass Humidifiers

- Improved wicking and water distribution system accommodates non-level plenum installations
- Output capacity up to 18 gallons of humidification per day
- Summer season shut-off damper
- Low profile design allows easy installation where space is limited
- Durable thermoplastic cabinet resists rust, corrosion, warping and is UV light resistant

Amana brand Fan-Powered Humidifiers

- Improved wicking and water distribution system accommodates non-level plenum installations
- Output capacity up to 19 gallons of humidification per day
- Summer season shut-off damper
- Low profile design allows for easy installation where space is limited
- Quiet, multi-blade fan



FOR BETTER INDOOR AIR QUALITY

Whether your home needs enhanced air filtration, ventilation, UV air purification or humidification the Amana brand has the products and technology to help you. For best results, consider a complete system which incorporates all of these air-cleaning methodologies for maximum indoor air quality results. For complete information on Amana brand indoor air quality products and warranty coverage visit www.amana-hac.com.



For full details regarding our warranties, visit www.amana-hac.com.

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Amana® Brand Quality

Americans have been relying on long-lasting Amana brand products since 1934, when Amana, Iowa, native George Foerstner accepted the challenge of building a dependable beverage cooler. Since then, the Amana brand has enjoyed many firsts, including developing the first cold storage locker, being the first manufacturer to nationally market an upright freezer for home use, and introducing the first portable countertop microwave oven.

The residents of Amana, Iowa, began a long history of pioneering and craftsmanship, and that spirit continues today in the manufacturing of quality Amana Heating & Air Conditioning products. From the technology behind our patented Million-Air™ heat exchanger to the inclusion of high-quality filter dryers in each of our air conditioners and heat pumps, we remain committed to Amana's legacy of providing consumers with heating and cooling products that are built to last.



Look for qualified Amana brand dealer to offer expert advice about installation and service. Your dealer will make sure it's done right the first time, and can help you decide which model best suits your needs.

www.amana-hac.com

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