

AccuClean™



FOR AIR THAT'S AS CLEAN  
AS IT IS COMFORTABLE.

*American Standard*®  
HEATING & AIR CONDITIONING

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## WHY IS AMERICAN STANDARD ACCUCLEAN™ AIR FILTRATION BETTER THAN THE REST?

Cleaner air starts with better airflow. Thanks to the patented technology of American Standard AccuClean, you get just that. Traditional filters force air through dense mesh screens to trap particles. Over time they become clogged and hamper airflow, which results in lower airflow and efficiency, also known as “pressure drop.”

But with AccuClean whole-home filtration, our unique design gives you long-lasting, consistent performance with the lowest pressure drop and highest efficiency of any filtration system on the market. All so your family can enjoy cleaner air and higher comfort.

**With AccuClean™ you get up to 99.98% cleaner air, and so much more.**

- **Clean Air:** Removes up to 99.98% of allergens down to .1 micron from the filtered air throughout your home. So you get cleaner air, and more of it.
- **Reliability:** Built and rigorously tested to outperform other models, AccuClean provides your entire home with clean air day after day, year after year.
- **Efficiency:** Offers the cleanest filtered air available, with efficient operation that doesn't hinder airflow.
- **Total Comfort:** Cleans the filtered air throughout your entire home for total, clean air comfort, unlike some systems that only clean air within a small circumference.
- **Quiet Operation:** Engineered to run silently, with none of the disruptive buzzing that electronic air cleaners bring. So your indoor environment remains as peaceful as it is comfortable.
- **Extraordinary Warranty:** Offers a 10-year registered limited warranty on functional parts. So you can be sure your investment is well protected.\*

\*Registered Limited Warranty terms are available when you register within 60 days of installation. You can register online at [americanstandardair.com](http://americanstandardair.com) or by phone at 800-554-8005, otherwise American Standard Heating & Air Conditioning's Base Limited Warranty terms will apply. Base Limited Warranty information on specific products can be found on [americanstandardair.com](http://americanstandardair.com). An option to purchase transferability of your Registered Limited Warranty is available. For more information visit [americanstandardair.com](http://americanstandardair.com).

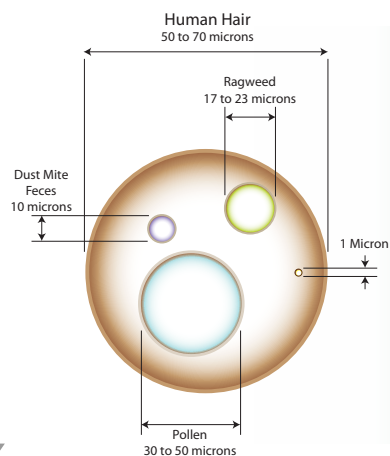
### AccuClean™ Air Filtration System

Simply put, AccuClean is the most effective whole-home air filtration system on the market. Because it removes up to 99.98% of allergens from the filtered air and catches particles down to .1 micron in size, AccuClean is 100 times more effective than a standard one-inch throwaway filter.





At American Standard, we've been in the business of finding new ways to deliver whole-home comfort to your family for over 100 years. When it comes to providing that comfort, temperature is only one piece of the puzzle. The fact is, indoor air quality plays a key role. That's why we created AccuClean™, the advanced whole-home air filtration system that removes up to 99.98% of allergens from filtered air down to .1 micron. So you can breathe easy and enjoy comfort, year after year.



### What is .1 micron?

1/70th of a human hair. That's how small dust, mold, pet dander and other dangerous particles can be. While they're ultrafine particles, AccuClean™ is designed to remove most of these from the filtered air, down to .1 micron. That's no small feat.

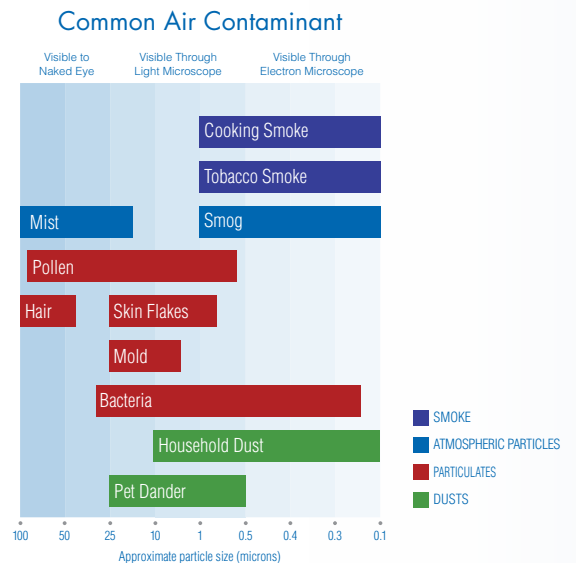
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# DOESN'T YOUR FAMILY DESERVE UP TO 99.98% CLEANER AIR?

When you choose American Standard AccuClean™ you're choosing cleaner air for you and your family. That's because AccuClean can remove up to an unprecedented 99.98% of allergens from the filtered air in your home. So your family can breath easier, no matter the season.

What's more, our revolutionary technology can trap allergens down to .1 micron in size. Particles like dust, soot, mold spores and bacteria are often .3 microns. AccuClean removes tiny particles like these, reducing the potential triggers for asthma and allergy attacks.

So say goodbye to irritating particles like dust, pollen, pet hair and dander, dust mites, mildew, lint, fungus, bacteria and more. And say hello to clean, healthy air from the industry's most advanced air filtration system – AccuClean.



## Your family is breathing in more allergens than you think.

Today's homes are better insulated, tightly sealed and use less energy. Unfortunately, this also seals in humidity, dust and other indoor pollutants. In many cases, the quality of air inside a home can be worse than it is outdoors. Not only can dirty air make you less comfortable, it can pose serious problems for family members who suffer from asthma and allergies. Consider these facts:



- Indoor pollutants can be 5 times higher than outdoor pollutants.
- Most homes naturally generate about 40 pounds of dust per year for every 1,500 square feet of space.
- One ounce of dust can hold about 40,000 dust mites, one of the most common household allergens.
- Up to 72 trillion allergens find their way into your home every day.
- Allergy and asthma cases have grown exponentially, causing significant health care cost increases.
- 54% of single-family homes with children have a family member with a respiratory ailment.
- Children inhale 50% more air per pound of body weight than adults, so they are especially sensitive to air quality problems.

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**1 Power Door**

Provides easy access to internal components, while featuring a filter-status display. Plus, its safety feature shuts off power when the door is opened for maintenance or cleaning.

**2 Pre-Filter**

Traps large airborne particles so the reusable collection cells can operate for a longer period of time before cleaning is required. Easy removal makes vacuuming every 1–2 months a breeze.

**3 Field Charger**

Removes up to 99.98% of allergens by charging airborne contaminants so they are attracted to an oppositely charged collection cell.

**4 Reusable Collection Cells**

Precision-engineered to trap particles down to .1 micron in size. These cells can be conveniently vacuumed every six to nine months, or more often as needed.



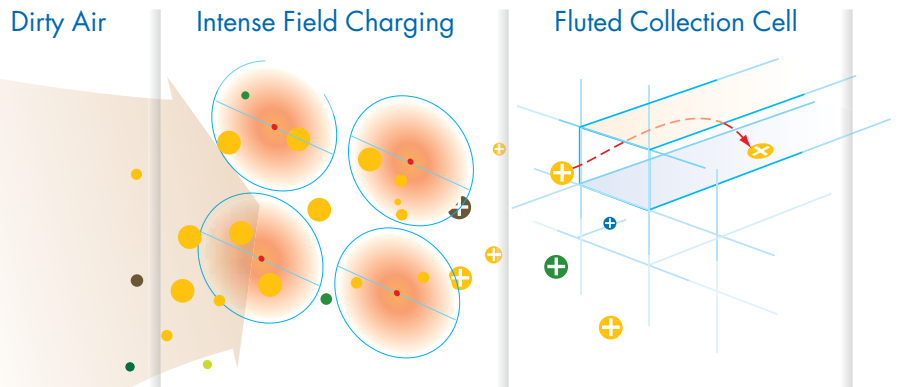
**5 Painted Sheet Metal Cabinet**

Constructed of heavy-duty 18-gauge metal to protect the filter and internal electronics.

## Why American Standard AccuClean™ is up to 100 times more effective.

The difference is AccuClean's exclusive Intense Field Dielectric™ technology. It works by charging the harmful particles in your home and then collecting them on an oppositely charged surface during the filtration process. In fact, AccuClean has the highest clean air delivery rate of any filtration system on the market, and is 100 times more effective than an ionic-type room appliance or standard 1" throwaway filter.

If you install American Standard AccuClean with an American Standard variable-speed system, it not only removes up to 99.98% of allergens from the filtered air, it can also reduce dust mites by keeping the air below 50% humidity. All so your family can breathe easier and be more comfortable.



AccuClean™ filters particles as small as .1 micron. The period at the end of this sentence will hold over 18.9 million particles this size.

# SOME RATINGS DELIVER MORE COMFORT THAN OTHERS.



Ionic-Type  
Room Appliance

**10**

1" Throwaway  
Filter

**12**

Typical Room  
HEPA Appliance

**150**

Whole-Home  
5" Media Filter

**240**

Whole-Home  
Electronic Filter

**660**

Whole-Home  
AccuClean™

**1200**

Ratings of cubic feet per minute of clean air delivered for a typical 3-ton heating and cooling system: the higher the value, the more effective the air cleaner.

Clean air delivery rate (efficiency times airflow rate) is recognized by the Federal Trade Commission (FTC) and Environmental Protection Agency (EPA) as a fair and objective measure of various air cleaner technologies.

## Clean Air Delivery Rate vs MERV Ratings

Air cleaners typically use one of two ratings, Clean Air Delivery Rate (CADR) or Minimum Efficiency Rating Value (MERV). While many of our competitors choose MERV, here's why American Standard uses Clean Air Delivery Rate:

- MERV ratings simply don't go high enough to measure the capabilities of American Standard AccuClean™. In fact, AccuClean would be off the charts if given a MERV rating.
- Some whole-home air cleaners tout their rating based on a 5-ton system rather than a typical 3-ton system. AccuClean uses the 3-ton to compare our Clean Air Delivery Rate because it's more applicable to consumers.
- It's also important to compare efficiencies of air cleaners at .3 microns and even down to .1 micron, not at larger sizes like 7 to 10 microns, like some competitors' claims.

## Clean Air Delivery Rate Supported by Scientific Data

American Standard engaged Environmental Health & Engineering (EH&E) to evaluate the performance of AccuClean's Clean Air Delivery Rate versus other air cleaning products, including both whole-home and portable air cleaners.

The EH&E test results showed that there is a direct comparison between the performance and Clean Air Delivery Rate of the tested portable air cleaners with that of AccuClean™. In addition, this data suggests our results are directly comparable with other whole-home air cleaners in terms of the ability to reduce contaminant levels.

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## Lowest Pressure Drop

Pressure Drop occurs when typical filters become clogged with particles, which hampers airflow and results in weakened airflow and efficiency. Because our patented technology is designed to let air flow freely, AccuClean™ has the lowest Pressure Drop possible with this design.

- AccuClean cleans air faster and more effectively than any other whole-home air cleaning solution on the market.
- Low Pressure Drop means more air can flow through for the utmost in efficiency.
- Some whole-home air cleaners claim to have lower Pressure Drop than AccuClean, however they are not measuring the complete system. For example, they may not be including the pre- and post-filter in the measurement.

## Proven in Testing, Again and Again.

American Standard Heating & Air Conditioning is committed to maintaining the best whole-home air cleaner on the market. That's why we continuously develop tests that push the limits and expand on the capabilities of AccuClean™.

- Repeated testing by LMS Technologies, EH&E and other major universities has continued to prove that AccuClean removes up to 99.98% of harmful indoor pollutants from the filtered air down to .1 micron.
- Trapping ultrafine particles is vital because they are too small to be filtered by your nose or mouth, and oftentimes get trapped deep in your lungs. AccuClean is effective at removing ultrafine particles like bacteria, combustion from cooking and cleaning products and even cigarette smoke toxins.
- It's important to be aware of particle size when our competitors make claims. Most focus on a larger particle size, however the fact is, no other whole-home air filtration system can match the performance of American Standard AccuClean.

## Commonly Asked Questions

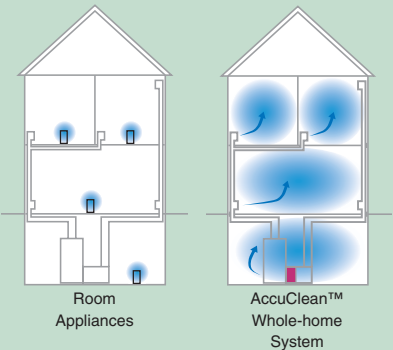
- Q:** Is American Standard AccuClean™ noisier than other air filtration systems?
- A:** No. AccuClean doesn't produce the zapping noises that electronic air cleaners do. In fact, AccuClean is virtually inaudible.
- Q:** How do the life cycle costs of an American Standard AccuClean unit compare to other air filtration systems?
- A:** Unlike other systems that require a steady stream of replacement filters, AccuClean has a permanent filter that costs up to \$200 and never needs to be replaced. AccuClean is also efficient to operate and only adds approximately \$6 per year to a homeowners' energy costs.
- Q:** What kind of maintenance does American Standard AccuClean require compared to other systems?
- A:** With American Standard AccuClean, maintenance is cost-efficient and time-saving. Rather than changing filters every month, AccuClean's cleanable filters need to be vacuumed once every six to nine months, or more often as needed. Like any system, seasonal visits by an independent American Standard Heating & Air Conditioning dealer are recommended.
- Q:** Some people have expressed concern about the ozone emissions of ionizing air cleaners. Does American Standard AccuClean have an impact on ozone?
- A:** AccuClean was specifically designed to fall well below the 50 ppb FDA voluntary emission limit for medical devices. In fact, testing of AccuClean by third parties indicated that there's no more ozone in a home with AccuClean than naturally occurs in the environment already.
- Q:** Is it true that American Standard AccuClean "captures" but does not "kill" germs, fungi, bacteria or allergens?
- A:** There is no way to accurately determine whether germs and the like can be "killed" by an air filter system. In fact, *removing* airborne fungi, bacteria and allergens from a home's filtered air is far more important for you and your family's health, after all, allergens don't have to be alive to cause allergic reactions.

## Designed for comfort. Built to last.

For more than a century, families have trusted American Standard Heating & Air Conditioning to keep their homes comfortable. Today, our home comfort systems continue to push the boundaries of efficiency and performance, while still delivering on our proud history of quality, durability and substantial value. Welcome your family home to a higher standard of comfort. From American Standard Heating & Air Conditioning.

## Whole-home vs. room air cleaning systems.

When judging between a whole-home system like AccuClean™ and independent room air cleaning systems, it's important to remember that AccuClean is more efficient and less intrusive on your home's environment than portable room air cleaners. In fact, if you added one ionic-type appliance to every room in your home, they would not significantly affect the air like an AccuClean whole-home system can. Plus, at \$300 to \$500 each, AccuClean is simply a better economical choice, now and for years to come.



## Our dealers will put you in your comfort zone.

Your independent American Standard Heating & Air Conditioning dealer is a highly trained professional with years of experience who'll work with you every step of the way in choosing the system that's right for you – from walking you through the entire purchasing process to conducting an in-depth analysis of your home and your comfort needs. Based on that information, your dealer will recommend a system that works best for your home. After all, the more efficient the system, the more comfortable you'll be.

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[americanstandardair.com](http://americanstandardair.com)

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Since American Standard Heating & Air Conditioning has a policy of continuous product improvement, it reserves the right to change specifications and design without notice. Read important energy cost and efficiency information available from your dealer.

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