

American Standard AccuClean™

The revolutionary new air filtration system

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The cutting edge of clean, comfortable air.

For more than a century, American Standard Heating & Air Conditioning has been a name you can trust for exceptional comfort and peace of mind. Continually responding to calls for greater efficiency, dependability and versatility, American Standard Heating & Air Conditioning has become one of the largest and most respected manufacturers of innovative home comfort systems – consistently recognized for quality and value by leading consumer-rating magazines.

Today, many homeowners, like yourself, are concerned about improving indoor air quality, which is why we created AccuClean – the most advanced whole-home air filtration system on the market. Removing up to an unprecedented 99.98% of unwanted particles and allergens from filtered air – AccuClean is 8 times more effective than even the best HEPA room appliance and 100 times more effective than a standard 1" throwaway filter.

Inside this guide you'll find more information about our industry-leading AccuClean air filtration technology and how it can bring you and your family the cleanest indoor air.



Reliable
Comfortable
Cleaner Air
High Efficiency
Quiet

American Standard
HEATING & AIR CONDITIONING



You're probably breathing more allergens than you think.



Today's homes are better insulated, tightly sealed and use less energy. However, sealing your home also seals in humidity, dust and indoor pollutants. In fact, the quality of air inside your home is probably worse than it is outdoors. Not only can dirty air make you less comfortable, it can create a serious problem for family members who suffer from asthma and allergies. Consider this...

- 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 someone 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.

Your family deserves clean air as well as conditioned air.

Many people believe that their heating and cooling system is already cleaning the air of these indoor pollutants and allergens. Most systems are equipped with a standard 1" throwaway air filter, but these filters are designed primarily to keep large particles from damaging the equipment. They are not designed to actually clean the air.

At American Standard Heating & Air Conditioning, we believe that your heating and cooling system should clean as well as condition the air. AccuClean™ will help your system do just that, far better than any other air filtration system on the market.

AccuClean delivers unbeatable clean air comfort

- Removes up to 99.98% of allergens from filtered air
- Catches particles down to .1 micron in size
- 8 times more effective than the best HEPA room appliance
- 100 times more effective than a standard 1" throwaway filter or ionic-type room appliance
- Delivers cleaner air, and more of it
- Reusable filter can be cleaned by vacuuming

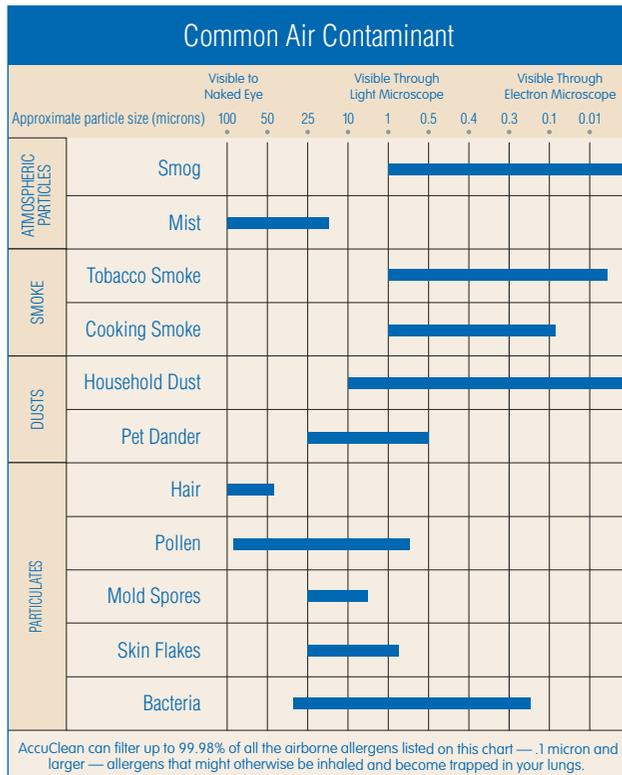
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Take clean air to a whole new level – and make your home a better place for living.

Feel more comfortable with up to 99.98% cleaner air.

When you choose an American Standard AccuClean™ unit for your home, you get the most effective air filtration system in the nation, period. It can clean up to an astonishing 99.98% of allergens from the filtered air that your family breathes, so everyone will feel more comfortable, no matter what the season.* Just think: With AccuClean, the majority of irritating particles like dust, pollen, pet hair and dander, dust mites, mildew, lint, fungus, most tobacco smoke, cooking grease, even bacteria, will be removed from the filtered air.

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 – so small that 2 million of them could fit on the period at the end of this sentence. These allergens can get deep into your lungs because they aren't filtered well by your nose and throat. AccuClean removes tiny particles like these, effectively reducing the potential triggers for asthma and allergy attacks.



Why is American Standard AccuClean air filtration better than the rest?

The reason is simple, really. It's all in the technology. Other filters, such as HEPA filters, trap airborne particles by forcing air through very dense mesh screens. Although these screens are effective at catching dirt, over time they become clogged and hamper airflow. The result is what's referred to as a "pressure drop," meaning the amount of air that can flow through the filter is considerably less. In other words, less air is cleaned less efficiently.

Not so with AccuClean. Our unique and patented design gives you long-lasting and consistent performance with the lowest pressure drop and highest efficiency of any filtration system on the market. That means cleaner air than you've ever experienced before.

Fill your whole home with clean, consistent comfort.

AccuClean is a whole-home air cleaner, meaning it works in conjunction with your heating and cooling system to clean up to 99.98% of airborne allergens from filtered air in every room of your home. Compare this to plug-in air cleaners that operate in a single room. To match the effect of a whole-home system, you'd have to buy several plug-in cleaners at a cost of \$300 to \$500 each. Even then, plug-ins are only effective within a certain radius, potentially leaving much of the air in the room unfiltered.

The AccuClean whole-home air filtration system is the best way to make sure your family breathes air that's exceptionally clean – no matter what room they're in – for maximum comfort.

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*Up to 99.98% effectiveness down to .1 micron applicable to AFD models. Other models may vary.

Coming clean: Look inside our revolutionary AccuClean™ system

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Painted Sheet Metal Cabinet: Constructed of heavy 18-gauge metal to protect the filter and internal electronics.

Field Charger: Facilitates up to 99.98% cleaning effectiveness by charging airborne contaminants so they are attracted to an oppositely charged collection cell.

Reusable Collection Cells: Precision-engineered to trap particles down to .1 micron in size. Cells should be vacuumed every six to nine months, or more often as needed.

Power Door: Provides easy access to internal components. Features a filter-status display and safety interlocks that shut off the power when the door is opened for maintenance or cleaning.

Pre-Filter: Traps large airborne particles so the reusable collection cells can operate for a longer period of time before cleaning is required. Can be easily removed and vacuumed as needed every month or two.

AccuClean™



How to get even more from AccuClean.

A heating and cooling system is only as good as the sum of its parts. And, even though each component is separate, they're all designed and engineered to work together as a "matched system." With AccuClean as part of an American Standard matched system, you can rest assured that you'll experience maximum comfort, efficiency and clean air.

This is especially true if you install AccuClean into a system that features a variable-speed fan motor. Not only will you be able to clean up to 99.98% of allergens from the filtered air, you'll be able to reduce dust mites by keeping the air below 50% humidity. And since a variable speed motor operates at a lower speed most of the time, you'll also save energy – and see lower utility bills* – while breathing cleaner air.

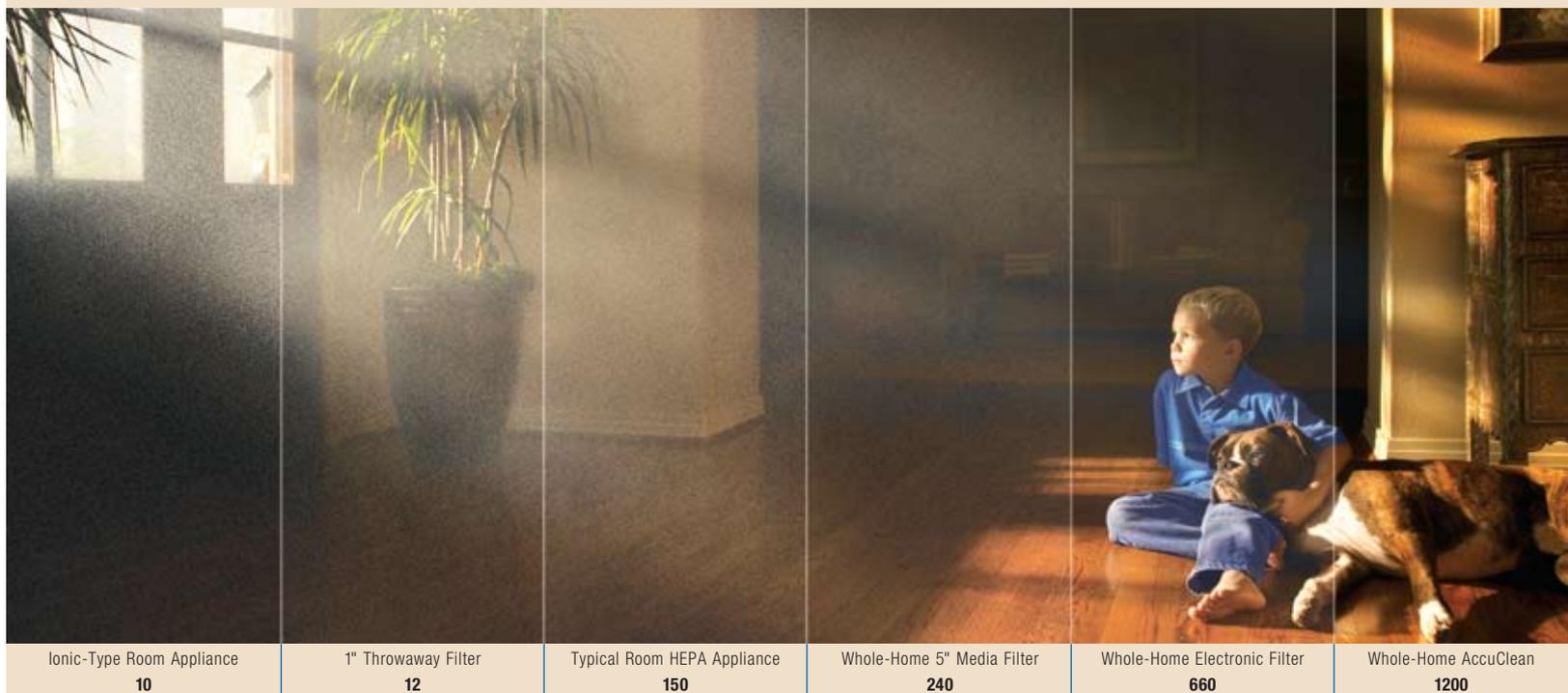
*Potential energy savings may vary depending on your lifestyle, system settings, equipment maintenance, local climate, home construction and installation of equipment and duct system.



The most common system is electric/gas:

- 1 **Air cleaner:** available in a variety of models from standard filters to whole-home air filtration systems that remove up to 99.98% of airborne allergens from the filtered air in your home.
- 2 **Furnace:** indoor unit that uses gas to warm your home in the winter.
- 3 **Air conditioner:** outdoor unit that cools on the hottest days with reliability you can count on year after year.
- 4 **Indoor coil:** the other, less visible half of your outdoor unit. As indoor air flows across it, heat and moisture are drawn out, leaving air that is cool, comfortable and conditioned.
- 5 **Control:** easy-to-use, easy-to-read, attractively designed thermostats that maximize temperature control.

AccuClean™ has the highest clean air delivery rate of any air filtration system on the market and is 100 times more effective than an ionic-type room appliance or standard 1" throwaway filter.



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 the Environmental Protection Agency (EPA) as a fair and objective measure of various air cleaner technologies.

The best air filtration system available.

No other air filtration system delivers cleaner air – and more of it – than AccuClean. The clean air delivery rate is what really matters because it measures filter cleaning efficiency and airflow, which can directly affect your family’s comfort level. The higher the value, the more effective the air cleaner. To see how AccuClean’s clean air delivery rate compares to the competition, refer to the chart above.

Concerned about ozone?

Some consumers have expressed concern about the ozone emissions of ionic air cleaners. It’s a valid concern, and one that American Standard Heating & Air Conditioning takes very seriously. Research has shown that plug-in air cleaners emit the highest levels of ozone, while whole-home systems like AccuClean deliver almost none. In fact, we designed AccuClean to fall well below the FDA voluntary emission limit for medical devices. At American Standard Heating & Air Conditioning, we consider safety and quality to be top priorities. So you can rest assured that the clean air delivered throughout your home by AccuClean is good for you and good for the environment.

Experts trust AccuClean.

Your family can, too.

AccuClean is the new industry benchmark verified by leading experts who make it their business to know about clean air.

Key among them is Dr. John Spengler, Ph.D, a faculty member of the Harvard School of Public Health and co-founder of Environmental Health & Engineering, Inc. (EH&E), a company dedicated to ensuring safe and productive working and living environments. EH&E has verified that AccuClean is highly capable of reducing airborne pollutants and creating a clean, comfortable environment inside your home.

AccuClean was also tested by LMS Technologies, Inc., a company that specializes in air filtration testing and verification. The result? The amount and quality of clean air delivered by American Standard AccuClean was judged to be second to none.

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American Standard Heating & Air Conditioning is setting new standards in clean air.

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

- **Clean Air:** AccuClean removes up to 99.98% of allergens from the filtered air throughout your home, giving you cleaner air – and more of it – than any other air filtration system on the market.
- **Reliability:** Because we build our products to last and to outperform other models, the AccuClean system has been tested to provide you and your family with clean air day after day, year after year.
- **Efficiency:** AccuClean offers the cleanest filtered air available with efficient operation that doesn't hinder airflow.
- **Total Comfort:** Unlike some air cleaners that only clean the air within a small circumference, AccuClean is designed to clean the air throughout your home for total, clean air comfort.
- **Quiet Operation:** Electronic air cleaners can make a disturbing "bug zapper" noise as the air is being filtered. AccuClean is engineered to run silently, making your indoor environment comfortable and peaceful.
- **Extraordinary Warranty:** Your investment in AccuClean is well protected with a 10-year limited warranty on the electronics and a 5-year limited warranty on all other functional parts. For all coverage options, check with your independent American Standard Heating & Air Conditioning dealer.

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 will 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 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.

More than 100 years of feeling
right at home.

When we made our first radiators in the 1880s, indoor heating was an innovation in and of itself. Since then, we've led the way in creating home comfort systems tailored to meet the needs that are most important to you. Whether your highest priority is comfort, efficiency, cleaner air or all of the above – we can help make your home the most comfortable place you've ever been.

American Standard Heating & Air Conditioning.

The name you know, the brand you trust.

americanstandardair.com

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