

Aprilaire[®]

Automatic Humidifiers

**Get whole home comfort
with the best cure
for indoor dryness**



The air inside your home is drier than you think. The average North American home can be up to four times below recommended indoor relative humidity levels.

When the home heating season arrives, it can be accompanied by a variety of indoor problems caused specifically by low relative humidity in your home. The resulting dry air absorbs moisture from you and everything inside your home. Dry noses. Scratchy throats. Itchy skin. Static shock. All familiar ailments caused by dry air. But, this **dry air causes more than discomfort. It can threaten your health and damage your home.**

According to medical experts, many viruses thrive in low humidity and can increase the likelihood of getting colds, flu and upper respiratory ailments. The American Society of Otolaryngology reports that it is important to prevent an overly dry environment because it makes people more susceptible to infection.

But dry air damage doesn't stop there. When heated air isn't humidified, it causes walls and ceilings to crack. Wood floors and trim separate. Dry air shrinks the framing around doors and windows, resulting in gaps that let in cold air from the outside, making your home less energy efficient. Expensive instruments and electronic equipment can fall victim to static electric charges, requiring pricey repairs or replacement.

To effectively minimize the threatening problems associated with dry air, it is essential to treat your home with a whole-home humidifier.

“Increasing the humidity of your home helps eliminate the dry air that can irritate and inflame the respiratory passages in the nose and throat, and can relieve the discomforts of colds and the flu.”

- A.D.A.M. Health Encyclopedia



Protect your family and your home with whole-home humidification

Properly humidified air can help prevent problems aggravated by dry air. Achieving proper levels requires the assistance of a humidifier. Normal household activities, such as cooking, washing clothes and showering, simply cannot provide enough moisture (or the right levels of moisture) in winter to keep your whole home comfortable for extended periods of time.

It's essential to achieve a delicate balance between too little and too much moisture in your home.

Too little moisture results in static shock, dry skin and damaged furnishings. Yet, too much indoor moisture will cause condensation on windows, potentially leading to structural damage.

Humidifiers can help you maintain a comfortable indoor relative humidity level. A professionally-installed, whole-home humidifier helps deliver appropriately-conditioned air to every room in your home, making it more effective than portable units that humidify just one room at a time. A humidifier can also promote energy savings by making the air around you feel warmer at lower temperatures.

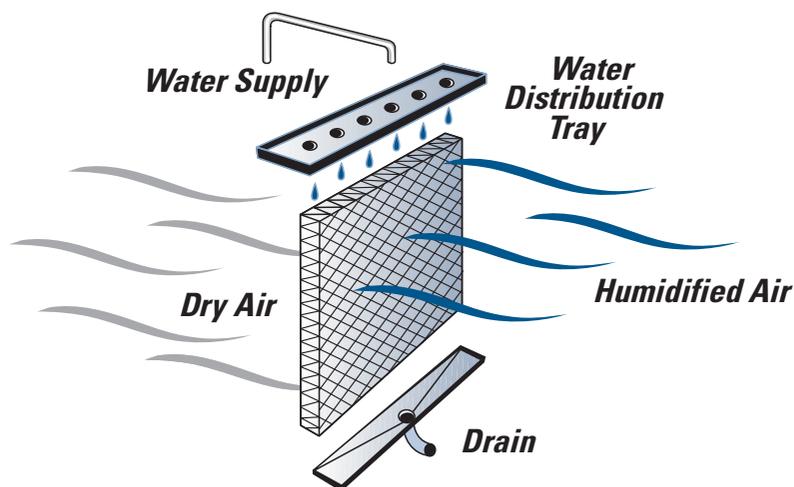
But not all whole-home solutions are created equal.

Trust your comfort and your home to the Aprilaire cure for indoor dryness

Millions of homeowners trust Aprilaire to deliver the best cure for indoor dryness. We invented whole-home humidification, led the way by introducing the automatic control and continue to deliver easy and intelligent humidification solutions with a line of humidifiers designed to meet different needs.

The Aprilaire Automatic Humidifier features exclusive technology that eliminates the need for constant manual adjustments to deliver just the right amount of humidity:

- **Helps protect against discomfort, illness and damage** by eliminating parched, dry air throughout the entire home.
- **Eliminates the need to make constant manual adjustments** with exclusive 'no touch' operation.
- **Maintains proper humidity levels throughout the home** by sensing changes in outdoor temperature and indoor relative humidity routinely.
- **Ensures the best performance all the time** as an intelligent product that reminds you when to change the water panel.
- **Improves comfort, well-being, preservation and energy savings**, generating up to 50% more moisture than humidifiers using a manual control.



The humidifying principle of all Aprilaire Humidifiers uses the introduction of humidity in the form of water vapor to prevent minerals from entering the air stream in the home. Water is supplied to the distribution tray, allowing it to flow evenly across the water panel. The resulting humidified air is distributed throughout the entire home.

Benefit from the best humidifier technology for improved comfort, health and energy savings

Enjoy the benefits of an affordable and intelligent system that is easy to maintain and offers improved health, comfort and energy-savings.

- Aprilaire Humidifiers measure and respond to outdoor temperature changes more than 400,000 times per day – controlling the humidifier's operation and **providing optimum indoor humidity levels automatically**.
- Solid state electronics assure **total system reliability and precision**. Aprilaire humidifiers are designed to control humidity and be three times more accurate than other humidifiers.



Different whole-home models for different home needs

Aprilaire offers a full line of humidifiers – each one made specifically to meet the humidification challenges of many different homes and heating systems. Consult with your heating/cooling contractor who will choose the whole-home humidifier unit that's best for you.

- **Model 700** – this **power** humidifier has a built-in fan that pulls heated air directly from the furnace and draws it across a water panel where evaporation takes place. Humidified air then flows throughout the home.



- **Model 600** – equipped with a **bypass** damper, this humidifier uses the furnace blower to move air through a water panel, where the humidification process occurs; humidified air is then distributed to the home.



- **Model 400** – uses **evaporative** technology that eliminates the need for a drain. Its advanced design uses 100% of the water that goes into the unit. This unit is ideal for homes with septic systems and homeowners who are concerned about water issues.



- **Model 550** – our economy unit designed for smaller homes. This bypass unit uses a manual humidifier control that can be installed in the living area or on the furnace ductwork.



- **Model 350/360** – completely self-contained units designed especially for installation in homes with radiant or baseboard heat. Sized to fit in closets, heated crawl spaces and basements.



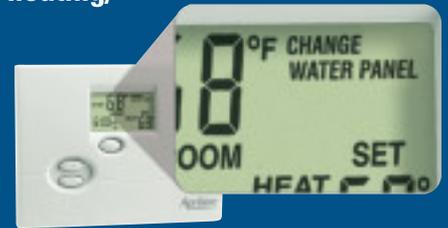
Your local heating/cooling contractor can help you choose the humidifier that's best for you.



*Intelligent Solutions
for Indoor Environments*

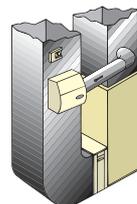
Aprilaire offers a series of products that work together to improve indoor air quality throughout your home. Each product is best in its category, and when installed together as part of a heating/cooling system, you get a simpler way to make your indoor environment not only more comfortable but also healthier and more efficient.

Aprilaire Automatic Humidifiers are part of this series. Models 700, 600 and 400 have a water panel replacement reminder light. When installed with the Aprilaire 8300 Series Electronic Thermostat, you receive a separate alert when it's time to call your heating/cooling contractor to replace the water panel.

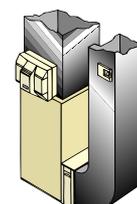


Intuitive to use. Easy to maintain. These products with built-in intelligence achieve higher levels of performance and efficiency while setting a new standard for meeting your needs.

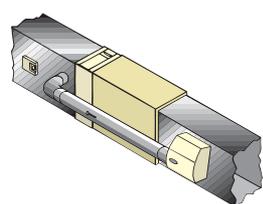
Typical Aprilaire Installations



Upflow (Bypass)



Upflow (Power)



Horizontal (Bypass)

Aprilaire offers the most effective humidification system available

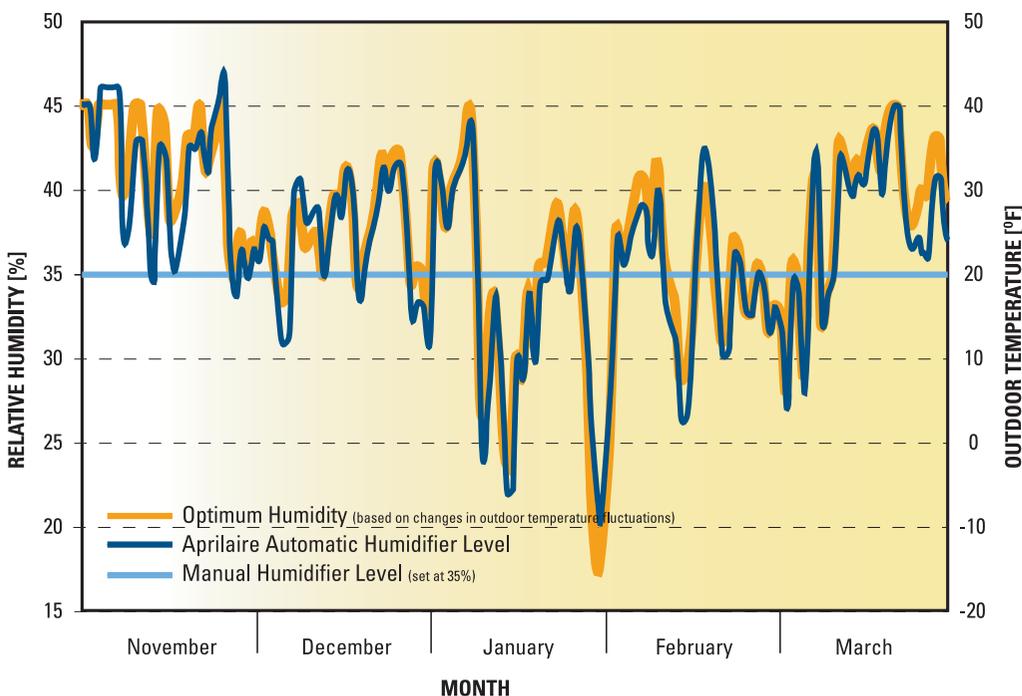
Since 1954, Aprilaire has led the industry, setting the standard for whole-home humidification.

The Aprilaire Automatic Humidifier is no exception. It takes the guesswork out of adjusting your controls by responding automatically to outdoor temperatures. You don't need to worry about too much or too little humidity in your home. You get just the right amount of humidity to keep you healthier and more comfortable.

Aprilaire Automatic Humidifiers are also easy to maintain. They have a built-in reminder light so you know when to call your heating/cooling contractor for a new water panel. Plus, they flush minerals, eliminate standing water and use materials specifically selected to maximize efficiency while meeting your humidification needs.

Automatic controls help you achieve optimum humidity levels

Controlling indoor humidity is critical to protecting your home furnishings and achieving greater wellness. While a manual humidifier delivers a constant amount of humidity, it doesn't properly adjust for outdoor temperatures. As a result, you tend to get too little moisture or too much. **An Aprilaire Automatic Humidifier continually monitors and responds to both outdoor temperatures and indoor relative humidity levels, delivering optimum levels of humidity throughout your home.** This chart contains actual field test data and demonstrates the close alignment of the orange line, which



represents optimum humidity levels over a five-month period, and the dark blue line, which represents the actual amount of humidity delivered by the Aprilaire Automatic Humidifier. The straight line offers a comparison to manual humidifiers, which deliver a constant humidity level, making it nearly impossible to maintain optimum humidity levels in your home. Talk with your heating/cooling contractor today about installing an Aprilaire Automatic Humidifier to experience the best cure for indoor dryness.

Medical specialists attest to the health benefits of proper humidity levels in the home:

"It is important to prevent an overly dry environment because it makes people more susceptible to infection."
- The American Society of Otolaryngology

"...humidity reduces the incidence of respiratory infections and speeds recovery from the common cold."
- William J Hitschler, MD
Archives of Otolaryngology

"There is as yet no cure for the common cold. The most important preventative measure would appear to be the proper regulation of the humidity."
- Joseph Lubart, MD
New York State Journal of Medicine

Aprilaire Automatic Humidifiers – the best cure for indoor dryness

Dry air in your home can be the source of many problems – including dry noses, scratchy throats, itchy skin and upper respiratory ailments. It even causes static shock and damage to home furnishings. Help improve the comfort and health of your family by having an Aprilaire Automatic Humidifier installed. Using patented technology it adjusts to outside temperatures, providing optimum moisture levels throughout your entire home.



**Aprilaire
Model 700
Automatic
Humidifier**

For more information about Aprilaire Automatic Humidifiers, contact your heating/cooling contractor today.

Fresh Ideas For Indoor Air

For enhanced health, comfort and energy efficiency, Aprilaire offers an entire line of indoor air quality solutions. To learn all about Fresh Ideas for Indoor Air, visit us at www.aprilaire.com.

- Automatic Humidifiers** – Deliver optimum humidity throughout your home to help eliminate dry nose, scratchy throat and itchy skin and to reduce the chance of upper-respiratory problems.
- Electronic Thermostats** – Combine easy programming, pinpoint accuracy and digital controls to provide you with the ultimate in both comfort and energy savings.
- Ventilation** – Ensure a supply of fresh air into your home to make it more healthy, comfortable and energy efficient.
- UV Germicidal Lamps** – Reduce the risk of odors, and eliminate the harsh chemical cleaning of bacteria, fungi and molds within your cooling system evaporator coil.
- Zone Control Systems** – Control temperature in each room based on your needs to eliminate hot and cold spots.
- Air Cleaners** – Deliver cleaner air to every room in your home and protect the performance of your heating/cooling equipment.