

Aprilaire[®]

Automatic Whole-Home Humidifiers

**Cure indoor dryness
and get the *very best*
whole-home comfort.**



Every home needs a humidifier.

The air inside your home is drier than you think.

Heating your home dries out the air. The resulting dry air absorbs moisture from you and everything inside your home. Even newer, tighter built homes will succumb to the negative effects of air that is too dry.



IRRITATION AND DISCOMFORT:

When you heat your home, indoor humidity levels fall below the optimum range. This causes you to experience the discomforts of too dry itchy skin, annoying static shocks and being “too cold” at normal temperatures.



UNHEALTHY AIR:

Viruses thrive in low humidity conditions and can actually increase the likelihood of getting colds, flu and other upper respiratory ailments. The American Society of Otolaryngology advises the importance of preventing an overly dry environment because it significantly increases susceptibility to infection.



HOME DAMAGE:

When heated air isn't properly humidified, it causes walls and ceilings to crack and wood floors and trim to separate. Expensive musical instruments can go out of tune and electronic equipment can fall victim to static electric charges, requiring expensive repair or replacement.



HIGHER ENERGY COSTS:

Dry air robs the moisture from your skin, making you feel colder, which means you turn up the heat. Dry air also shrinks the framing around doors and windows, resulting in gaps that let in cold air from the outside, making your home less energy efficient.

It's a fact: The average home, including new homes, can be up to four times below recommended indoor relative humidity levels.

“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

“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

Trust your comfort—and your home—to Aprilaire.

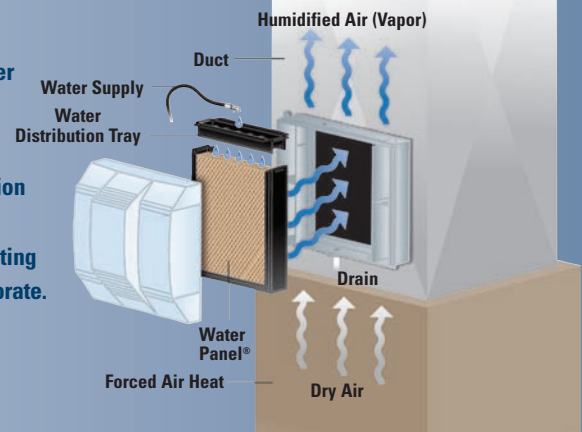
Professionally Installed...Designed and Engineered for Unsurpassed Performance.



Trust Aprilaire, the industry leader in whole-home humidifiers. Since 1954, millions of Aprilaire humidifiers have been installed to maintain comfortable, healthy homes during the long, cold days of winter.

Aprilaire Humidifiers provide humidity in the form of pure water vapor to prevent minerals from entering the air stream.

Water is supplied to the distribution tray and flows evenly across the Water Panel®. Heat from the heating system causes the water to evaporate. Properly humidified air (vapor) is then distributed throughout your entire home.



Install an Aprilaire whole-home humidifier today —enjoy unparalleled comfort tonight!

PROVIDE TOTAL *comfort*

Proper humidity eliminates the irritations and annoyances of excessively dry air. Aprilaire whole-home humidifiers provide maximum comfort throughout your entire home—every hour, every day, all season long, without the mess and inconvenience of portables.

HELP PROTECT YOUR FAMILY'S *health*

Proper humidity is key to staying healthy in winter. By keeping your sinuses and airways moist, you reduce the potential for bacteria and viruses to enter your body. Aprilaire humidifiers are proven most effective at providing optimum levels of humidity.

Preserve **YOUR HOME AND FURNISHINGS**

Your home and its furnishings make up what is likely your largest investment. By providing constant humidity control, Aprilaire humidifiers help to keep them in good condition, maintaining their value and extending their life.

SAVE MONEY ON *energy* BILLS

An Aprilaire whole-home humidifier allows you to feel warmer at lower thermostat settings. The U.S. Environmental Protection Agency reports that you can save up to 4% on your heating bill for every degree you lower your thermostat.

CONSERVE OUR PRECIOUS *natural resources*

The Aprilaire Model 400 drainless humidifier utilizes breakthrough technology that **uses 100% of the water that goes into it**. And, unlike steam humidifiers, **it uses virtually no electricity to operate**.

- **CONSERVE WATER** – uses 100% of the water that goes into it
 - Enjoy lower water and sewer costs
 - Preserve septic system by eliminating routine water drainage
- **CONSERVE ENERGY RESOURCES** – uses virtually no electricity to operate, saving precious coal and oil reserves
- **MOST ENVIRONMENTALLY FRIENDLY** humidifier on the market!



Model 400*
Bypass Unit – Uses 100% of water and evaporative technology that eliminates the need for a drain.

Get information no other humidifier delivers

Digital control provides more accuracy and information—exclusively from Aprilaire

Automatically delivers proper amounts of humidity regardless of temperature or conditions – 24/7

DIGITAL CONTROL PANEL DELIVERS PEACE OF MIND

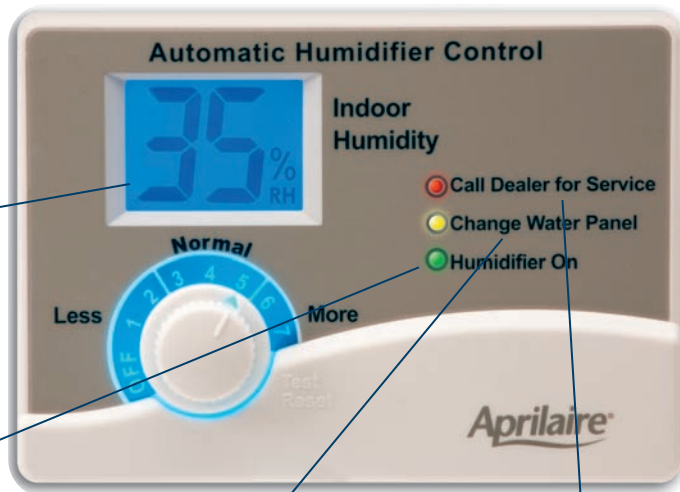
Get all of the information you need at a glance.

Know your relative humidity.

Backlit display provides the current humidity level in your home.

Know when your system is running.

The green light clearly shows that your humidifier is up, running and protecting your home, comfort and health.



Know when to replace the water panel.

The "smart" feature measures usage of your water panel, and lets you know when it's time for replacement.

Know immediately when service is needed.

The red light indicates that service is needed, while the digital display provides the service code that your contractor can use to isolate the cause, saving time and money.



Flexible enough for every home

For certain occasions where automatic control may not be practical, the Automatic Digital Control can be easily adapted for use as a manual control while still delivering the information and performance you need.

Ask your contractor for details.

Get green with greater comfort from Aprilaire

Whether you're updating your home to be more healthy, energy-efficient and

sustainable or you're building a new green-certified home, Aprilaire offers a complete line of innovative products designed to improve the quality of indoor air.

Our humidifiers help by ensuring that your entire home has just the right amount of moisture for the ultimate in protection and comfort. Whole-house humidifiers help prevent premature aging of your home's structure, provide optimum comfort and can protect respiratory systems against viruses and bacteria. Humidity control helps qualify your home for the Green-Built Certification Program of the National Association of Home Builders.

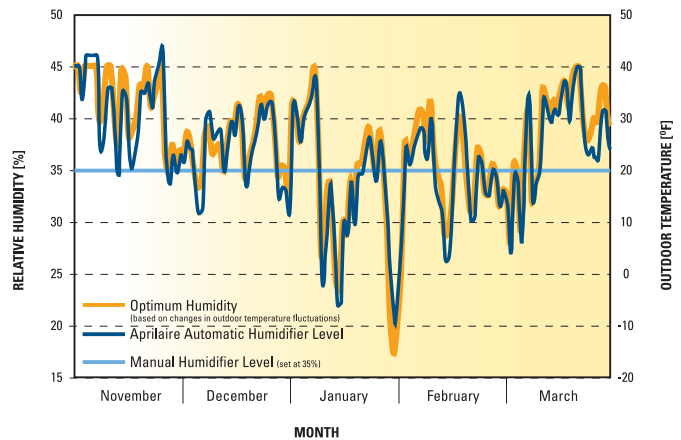


www.aprilaire.com

What you should look for in a humidifier

1 CONTINUOUS AUTOMATIC CONTROL – 24/7

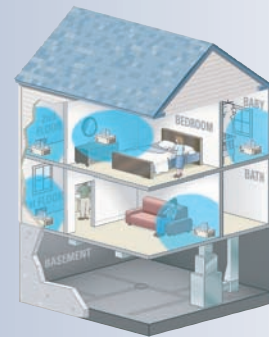
The optimum levels of relative humidity in your home fluctuate with the changes in outdoor temperature. An Aprilaire automatic humidifier continually monitors and responds to both outdoor temperatures and indoor relative humidity, delivering optimum levels of humidity throughout your home. You never have to monitor your settings or wait until you feel uncomfortable. The automatic set-it-and-forget-it control keeps your home's humidity level exactly where you want it.



APRILAIRE WHOLE-HOME HUMIDIFIER

2 WHOLE-HOME CAPACITY

An installed whole-home humidifier adds the right amount of soothing moisture to your entire home. To achieve the same effect with a portable unit, you would need to place one in every room of your house.



PORTABLE UNITS

Model 350/360
Self-contained
Humidifiers

3 MINIMAL MAINTENANCE, TOTAL CONVENIENCE






To maintain the performance of a portable unit, you must continually monitor the tank levels and clean and fill them regularly. A whole-home system is installed out of your living space as part of your heating system, providing quiet operation without the messy tank. And, Aprilaire's Automatic Digital Control provides all of the information necessary for easy maintenance.

There's no need to experience the discomfort, health problems or damage to your home and furnishings caused by air that is too dry. Install an Aprilaire whole-home humidifier with Automatic Digital Control and you'll never worry about proper humidity levels in your home again.

*The bottom line...
whole home + automatic digital control = peace of mind.*

www.aprilaire.com

Aprilaire Humidifier Specifications

	Sq. Ft. Area (air changes/hr.)	A. Unit Size (inches) B. Plenum Opening (inches)	Water		Electrical Data
			Evap Rate	Feed Rate	
 Model 700*/700M** Powered Unit – Built-in fan that pulls heated air directly from the furnace.	1,050 loose house (2) 2,100 avg. house (1) 4,200 tight house (1/2)	A. 15-29/32W x 18H x 10-11/32D B. 14-3/4W x 14-5/16H	0.75 gph	6 gph	120V-60Hz 0.8 AMP
 Model 600*/600M** Bypass Unit – Uses the furnace blower to move air through a Water Panel®.	1,000 loose house (2) 2,000 avg. house (1) 4,000 tight house (1/2)	A. 15-3/8W x 15-3/4H x 10-1/4D 6" dia. round opening B. 10W x 12-3/4H	0.70 gph	3 gph	24V-60Hz 0.5 AMP
 Model 400*/400M** Bypass Unit – Uses 100% of water and evaporative technology that eliminates the need for a drain.	1,000 loose house (2) 2,000 avg. house (1) 4,000 tight house (1/2)	A. 15-3/8W x 15-3/4H x 10-1/4D 6" dia. round opening B. 10W x 12-3/4H	0.70 gph	N/A	24V-60Hz 0.5 AMP
<i>^NOTE: Heat pumps – Model 400 can be installed in heat pump applications. However, due to the fact that heat pumps deliver lower temperature air to the home than gas furnaces, evaporation will be approximately 60% of rated capacity. (With other Aprilaire models hot water can be used instead of cold to maximize evaporation. However, due to the nature of the wicking water panel in the Model 400 hot water provides no extra benefit.) As such, your dealer will need to take the size and age of your home into consideration to ensure the Model 400 will provide satisfactory comfort and protection through adequate humidification.</i>					
 Model 500*/500M** Economy Unit – Designed for smaller homes.	750 loose house (2) 1,500 avg. house (1) 3,000 tight house (1/2)	A. 15-5/8W x 13H x 10-1/4D 6" dia. round opening B. 9-1/2W x 9-1/2H	0.50 gph	3 gph	24V-60Hz 0.5 AMP
 Model 350/360 Self-contained Humidifiers – Designed to bring all the benefits of Aprilaire humidification to homes with radiators or baseboard heat.	1,100 loose house (2) 2,250 avg. house (1) 4,500 tight house (1/2)	A. 13-3/4W x 12-3/4H x 12-1/2D** Note: Model 350 is 15D B. N/A	0.50 gph	6 gph	120V-60Hz 0.7 AMP Note: Model 350 is 0.9 AMP

* = Automatic Digital Control (shown)

**M = Manual Control For those rare occurrences where an automatic control is not practical, Aprilaire digital control can be installed in manual mode, while still delivering the accuracy and information you need for optimum performance.

Warranty – All Aprilaire models are warranted for five (5) years from date of installation for parts.

Heat Pumps – Plumbing the humidifier to hot water is recommended on all heat pump installations or if it is installed to operate independently of a call for heat. (See ^NOTE for Model 400)

Bypass humidifiers can be installed on the supply or return plenum.

Aprilaire offers a full line of comfort accessories that improve indoor air quality throughout your home.

For over 60 years, we've developed best-in-class innovations

for the ultimate in quality, performance, reliability and sustainability, including:

Humidifiers, Dehumidifiers, Air Cleaners, Zoned Comfort Control™, Thermostats and Ventilation.

Minnesota Heating and Air Conditioning Incorporated
 10701 93rd Avenue North
 Maple Grove, Minnesota 55369
 Office: (763) 424-5235 Service Ext. 301 Sales Ext. 302
 Fax: (763) 424-8970
 Office Hours: Monday - Friday 8:00 A.M. - 5:00 P.M.
 Saturday 8:00 A.M. - 12:00 Noon

www.mnhtac.com