

*Aprilaire*<sup>®</sup>

# Control Excess Humidity

*Enjoy year-round  
comfort with  
whole-home  
dehumidifiers  
from Aprilaire*



Excess humidity in your home is more than just uncomfortable—it's unhealthy.







Excess moisture in your home can be obvious. You might smell it in the form of musty odors. You might see it in the form of mold and mildew. You might even feel it in the form of sweat or clamminess. In fact, your home might feel damp and dank, just like a cave—and that’s anything but inviting.

Discomfort is just one of the many problems associated with excess humidity in your home. Excess humidity can also impact the health of your family, the longevity of your home’s structure and even your energy usage.

### Allergies and asthma.

Excess moisture can aggravate allergies and asthma symptoms by creating the perfect breeding ground for mold and insects.

Whether it’s from air that’s trapped in a bathroom or basement, condensation on windows or moisture that seeps up through your carpeting, mold is common in many households. And just because you can’t see it, doesn’t mean it’s not there. Molds can trigger allergy and asthma symptoms, causing everything from minor irritations, like nasal stuffiness and skin irritation, to fever and shortness of breath. When residents have chronic lung illnesses, mold can even infect their lungs.\*

Insects are also drawn to places where moisture is high. Dust mites—a major allergy and asthma trigger—thrive in environments where the relative humidity exceeds 50%.\*\*

### Damage to your home and furnishings.

High humidity can lead to warping and damage to wood floors and trim. It can also get trapped in carpeting, furniture and drapes. Family heirlooms, like photos, may also be at risk.

### Overcooling is a costly—and ineffective—solution.

Air that has too much humidity in it actually makes you *feel* warmer. We’ve all heard the saying, it’s not the heat, it’s the humidity. That’s especially true in summer months when many homeowners make the mistake of overcooling their homes in an effort to mitigate high humidity. Not only do they end up expending more energy, they still can’t get comfortable because an air conditioner is not an effective dehumidifier.

### Regardless whether you live in the North or in the South, excess humidity is a problem.

If you live in a northern climate, indoor humidity is especially pronounced in the summertime when the outdoor humidity is also high. You’re likely to notice it more in your basement, where moisture is easily trapped. Conversely, southern climates suffer from excess indoor humidity year-round, and may see a spike during winter months when it’s too cool for the air conditioner to run.

\*<http://www.epa.gov/mold/moldresources.html>  
\*\*[www.ncbi.nlm.nih.gov/pubmed/11149998](http://www.ncbi.nlm.nih.gov/pubmed/11149998)

For more information about the comfort, health, structural and energy efficiency problems caused by excess humidity, visit [aprilair.com](http://aprilair.com).



# Healthier, more comfortable air is within your reach.



While high humidity is a threat to comfort and health in any home, regardless of climate, there's an easy solution. An Aprilaire whole-home dehumidifier can be installed as part of your home's heating and cooling system to automatically remove the exact right moisture from every room throughout your house.

An Aprilaire whole-home dehumidifier can help you:

## Control health.

By eliminating excess moisture, Aprilaire whole-home dehumidifiers can reduce dust mite growth and the prevalence of mold and other contaminants that can trigger allergy and asthma symptoms.

## Maintain comfort and eliminate odors.

That cold, clammy air, that stuffy feeling and those musty, mildew-like odors will be a thing of the past. Aprilaire dehumidifiers remove moisture throughout your home—from the basement to the attic and everything in between.

## Protect your home.

Your home's structure and your possessions will also be protected against rotting and warping. Wood, drywall, home furnishings and other possessions will last longer when excess humidity is eliminated and proper humidity is maintained.

## Improve energy efficiency.

When excess humidity is removed from indoor air, you'll feel cooler at a higher temperature. That means you can set your air conditioner temperature a few degrees higher.

With Aprilaire, dehumidification is also hassle-free. Our dehumidifiers are among the quietest on the market—plus, they are installed away from your living space. And, because they are a fully automated part of your heating and cooling system, you don't have to worry about the messy nuisance of emptying water trays.





## Aprilaire— delivering comfort to your home and family.

Aprilaire is the industry leader in humidity control. In 1953, we introduced the very first effective whole-home residential humidification system. Since then, we've continually improved and expanded to meet the growing demand for indoor air quality solutions, including whole-home, high-capacity dehumidifiers. Today, our revolutionary technology continues to set the standard for indoor air quality solutions.

### Performance and peace of mind.

Aprilaire dehumidifiers are professionally installed and maintained by your local heating and cooling contractor. And no matter what model you choose, you can rest assured our dehumidifiers are made to last. Each and every one is manufactured in the USA and comes with a five-year warranty.

*Learn more about the benefits of whole-home dehumidification at [aprilaire.com](https://www.aprilaire.com).*



# Enjoy the health, comfort and savings that come with perfectly dehumidified air.

Aprilaire whole-home dehumidifiers offer two distinct advantages.

One is that they are installed as part of your heating and cooling system. That means they extract humidity throughout your entire home without having multiple noisy, unsightly and difficult to maintain portable units.

The other advantage is that Aprilaire whole-home dehumidifiers automatically extract just the right amount of moisture from the air to continually maintain optimal indoor relative humidity. Once installed, you never have to worry about the problems that result from excess

humidity again. Just sit back, relax and enjoy a healthier, more comfortable home.

You can control your comfort level with a variety of control options. Digital controls can be accessed conveniently in your living space, or on the dehumidifier. They allow you to modify the automatic settings based on your personal preferences.



## Digital Control

Mounted conveniently in your living space, the control displays the current level of humidity in your home and indicates when the unit is running. If you wish, you can simply adjust the settings to change the humidity level.



## Home Comfort Control




The Aprilaire Home Comfort Control is an easy-to-use touch screen that replaces your thermostat and delivers optimal humidity removal while also managing temperature, air purity and air freshness. The Home Comfort Control puts you in complete control of the comfort and health of your home and family.



*For more information about the Aprilaire Home Comfort Control or any of our indoor air quality products, visit [aprilair.com](http://aprilair.com).*

A dehumidification solution for every home.  
 Your Aprilaire dealer will recommend which one is right for you.

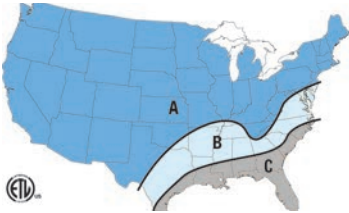
### Aprilaire Dehumidifier Specifications

	Model Number	Unit Size (inches) <sup>(2)</sup>	Capacity	Weight	Warranty
		Width x Height x Depth	ppd = pints per day	lbs	
	1830 <sup>(1)</sup> 	12.5" x 14.5" x 25"	70 ppd	67	5 years
	1850	12.5" x 14.5" x 27.5"	95 ppd	75	5 years
	1850F <sup>(2)</sup>				
	1770A	20.75" x 19.62" x 24"	135 ppd	100	5 years

<sup>(1)</sup> 1830 – an ENERGY STAR® certified product

<sup>(2)</sup> 1850F is freestanding, for non-ducted application. Height does not include adjustable feet.

### Sizing Guidelines

	Recommended home floor area ft <sup>2</sup> that listed dehumidifier can meet the dehumidification load, assuming 8 ft. ceilings. These are sizing guidelines only. The actual home size is dependent on the exact location of the home, the actual total ventilation rate, occupant living habits, moisture removal characteristics of the air conditioning system and the environmental conditions at which the occupants experience comfort.					
	<b>Model 1830</b>		<b>Model 1850</b>		<b>Model 1770</b>	
	1.00 ACH	.50 ACH	1.00 ACH	.50 ACH	1.00 ACH	.50 ACH
<b>Region A</b>	2800 ft <sup>2</sup>	3800 ft <sup>2</sup>	3800 ft <sup>2</sup>	5200 ft <sup>2</sup>	5400 ft <sup>2</sup>	7400 ft <sup>2</sup>
<b>Region B</b>	2200 ft <sup>2</sup>	3400 ft <sup>2</sup>	3000 ft <sup>2</sup>	4700 ft <sup>2</sup>	4100 ft <sup>2</sup>	6700 ft <sup>2</sup>
<b>Region C</b>	1400 ft <sup>2</sup>	2000 ft <sup>2</sup>	1900 ft <sup>2</sup>	2800 ft <sup>2</sup>	2500 ft <sup>2</sup>	3800 ft <sup>2</sup>

ACH = Air Changes per Hour. The tighter the house, the lower the ACH.

# Delivering comfort to homes and families like yours for more than 50 years.

Aprilaire has a full range of indoor air quality solutions that work together to make your home more healthy, comfortable and energy efficient. From whole-home air cleaners and humidity control to ventilation and zoned temperature solutions, we can help you maintain an optimum indoor environment for your home and family.

Ask your Aprilaire comfort consultant about our full range of indoor air comfort solutions designed to help you and your family feel good inside.

**Aprilaire**<sup>®</sup>

*Feel Good. Inside.*<sup>™</sup>

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For more information about the Aprilaire family of whole-home comfort solutions, visit [www.aprilaire.com](http://www.aprilaire.com).



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