

**Aprilaire**<sup>®</sup>

**Model 1700 Dehumidifier**

**Achieve new levels of comfort  
and unsurpassed protection  
with proper dehumidification**

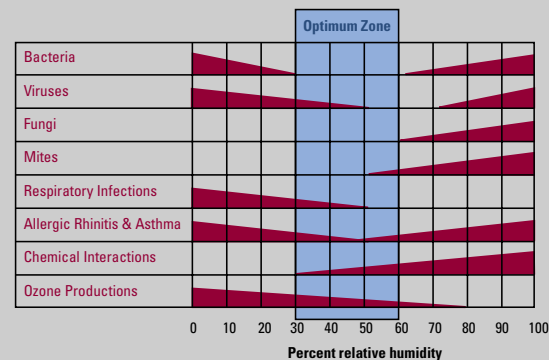


## Take control of excess indoor moisture for your family and your home

Every home creates and contains moisture. In fact, the average family disperses between three and five gallons of moisture into the air daily throughout the home. Taking control of indoor moisture to maintain proper humidity levels plays a big role in how comfortable you are in your home and in how you feel about your family's well-being.

- Health House affirms that high levels of humidity can cause a room to feel stuffy and create an environment in which contaminants thrive.
- Data released by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) demonstrates that keeping relative humidity in the optimum zone between 30% and no greater than 60% limits the effects of many unwanted conditions and harmful household particles (see chart below).

**Optimum relative humidity range for human comfort and health**  
(a decrease in bar width indicates a decrease in effect for each of the items)



Source: ASHRAE, Adapted from Sterling et. al 1985

- The *Journal of Allergy and Clinical Immunology* also recommends that indoor relative humidity levels be kept below 51% in order to deter dust mites and boost overall healthfulness of the home.
- According to *The Wall Street Journal's* RealEstateJournal.com, negative effects of excess moisture can cause a property to lose 10% of its value.



## Homes need proper dehumidification

Tighter home building practices and more efficient cooling equipment make a dedicated solution to humidity control all the more important. According to *Engineered Systems* (a publication that provides the latest trends in heating/cooling equipment), air conditioners are simply not getting the job of moisture removal done effectively and efficiently. They are designed solely for controlling temperature and are not efficient at moisture control.

Adjusting your thermostat set point lower to get rid of that clammy and sticky feeling usually just leaves you cold. You are uncomfortable at night, and you notice condensation on the outside of your windows in the morning. You keep turning down the temperature to get rid of the humidity, and you find yourself not only more and more uncomfortable, but also paying higher energy bills.

A dehumidifier, however, is *designed and engineered specifically to control moisture* and achieve proper humidity levels for greater comfort and optimum efficiency.

**“Installing a dehumidifier is the only reliable way to control humidity in the home.”**

– Green Building Program

## Innovative Aprilaire Model 1700 whole-home dehumidifier takes control and delivers comfort

For over 50 years, Aprilaire has been a trusted source for whole-home humidification solutions. The experts in adding and controlling humidity now bring you an installed dehumidifier with break-through technologies to make dehumidification work throughout your home.

Installed as part of your heating/cooling system, the high-capacity Aprilaire Dehumidifier can remove moisture from every room in your home. It gives you greater humidity control and provides proper ventilation when you need it. Quietly. Effectively. And, virtually maintenance free.

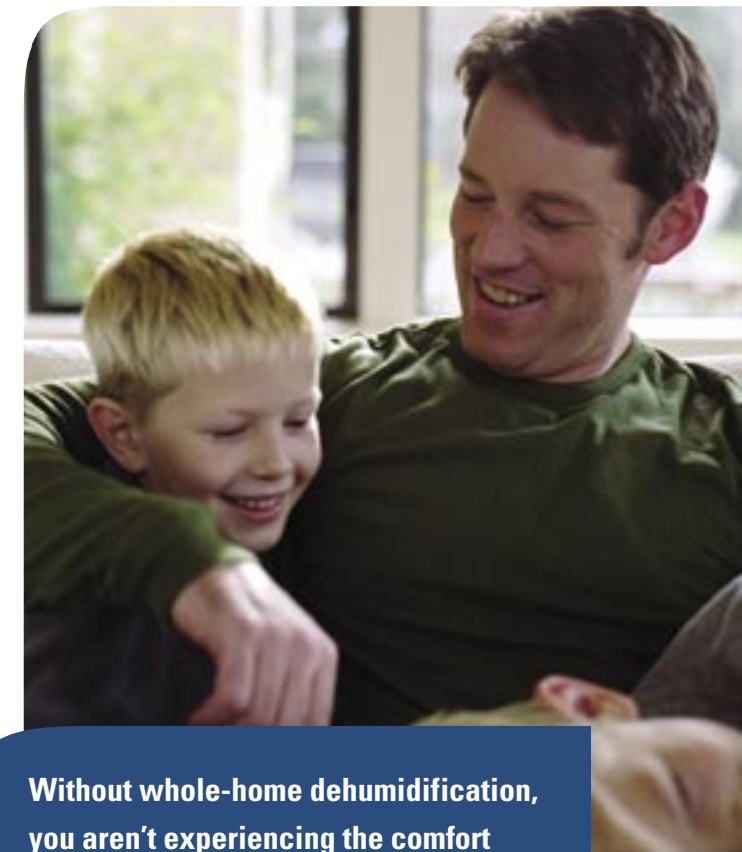
## Improve your indoor environment immediately

As soon as you install the Aprilaire Dehumidifier as part of your heating/cooling system, you will begin to remove moisture automatically from every room in your home. By controlling moisture levels, your home will immediately become more comfortable, healthful and durable.

Backed by research to meet your moisture control needs, the Aprilaire Dehumidifier provides customers with an effective and reliable indoor air quality solution.

Aprilaire monitored the relative humidity in a test home for 13 days prior to installing an Aprilaire Dehumidifier. The purpose was to determine the effect on the indoor relative humidity range, which experts identify as between 30% and 60%. Prior to installation of the Aprilaire Dehumidifier, the average relative humidity level was 58% and there was a significant amount of time over 60% (outside the recommended range). After the Aprilaire whole-home dehumidifier was installed, the average humidity dropped 14% and never exceeded 55%, so the home's relative humidity levels stayed within the optimum range.

**This field test data demonstrates that the Aprilaire whole-home dehumidifier makes a significant impact in controlling humidity and enhancing comfort.**

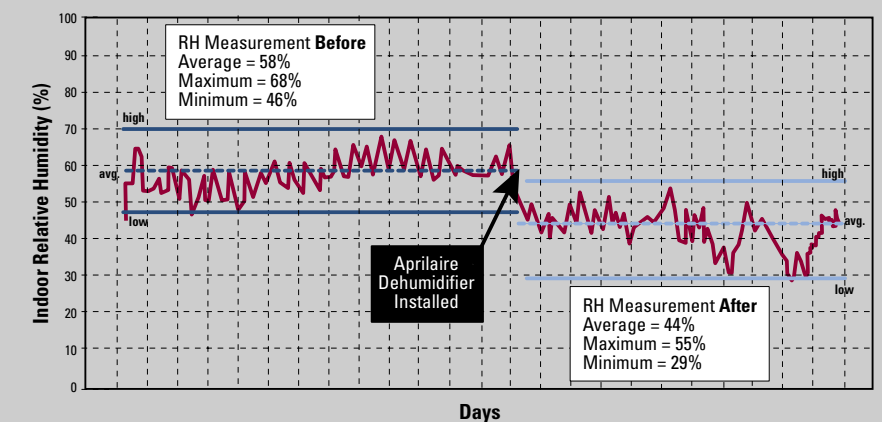


**Without whole-home dehumidification, you aren't experiencing the comfort or the protection you, your home and your family deserve.**

## Aprilaire is the trusted name in humidity control

**Data from a 2,000 square foot home shows the instant benefits of installed dehumidification**

(Thermostat Set Point Constant at 75°F)



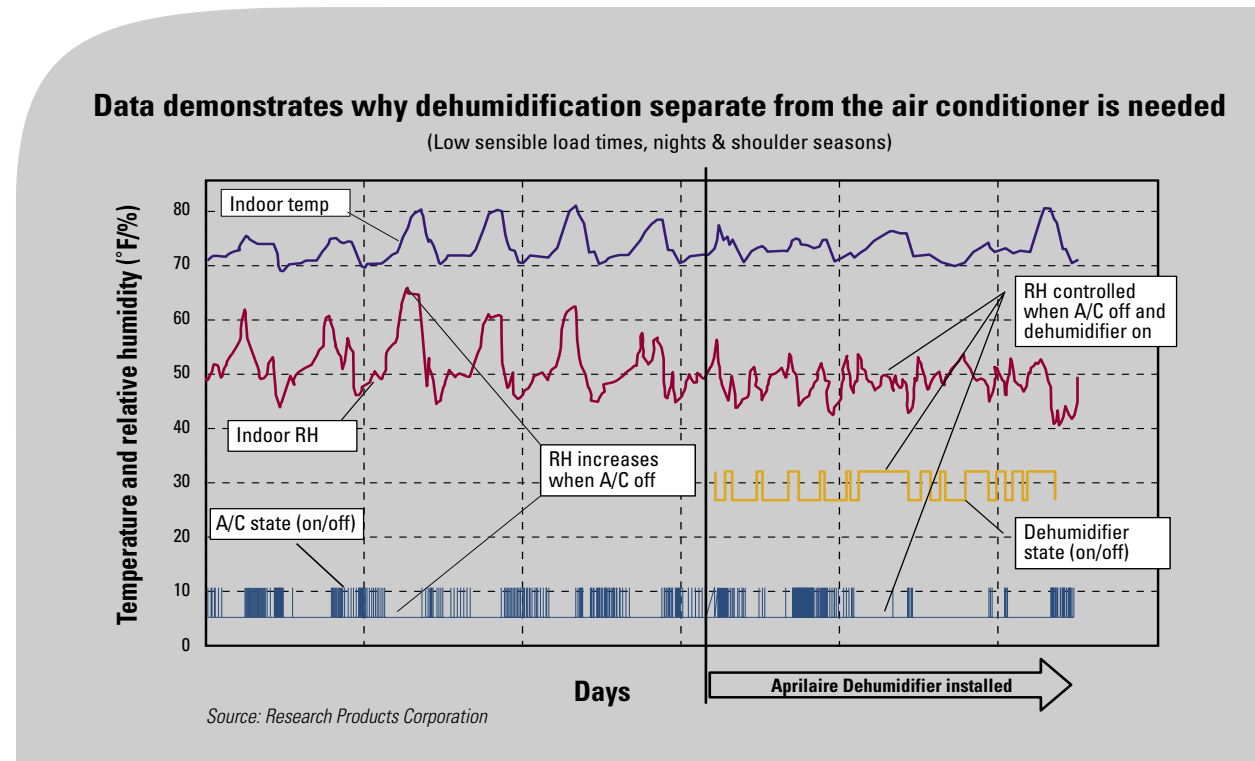
Source: Research Products Corporation

## Optimum comfort means managing moisture in your home

Actual field test data shows the value of an installed dehumidifier even when there is an air conditioner. Whenever the air conditioner isn't running (e.g., at night, during moderate days, in spring or fall, or when the temperature doesn't require it), relative humidity begins to rise in the home. The installed dehumidifier responds to the high humidity level and activates automatically to manage the moisture.

The chart to the right demonstrates how the indoor humidity was controlled below 55% when a dehumidifier and air conditioner worked together to control comfort by managing both temperature and humidity.

This combination is unbeatable at keeping you comfortable in all seasons at all hours, every day.



## A word about portable dehumidifiers

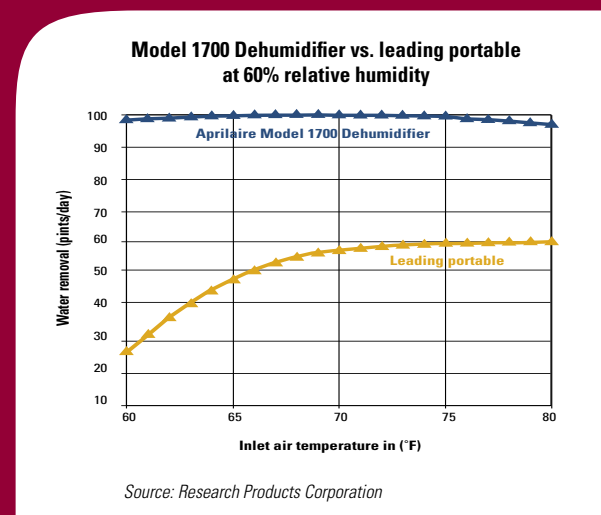
Portable dehumidifiers isolate a problem. They provide dehumidification in one room of the home. They are simply not as efficient as the Aprilaire Model 1700 Dehumidifier nor are they effective at controlling humidity in the whole home.

Compared to many leading portable dehumidifiers, the Aprilaire Model 1700 Dehumidifier offers 50% more water removal per kilowatt hour without the hassles of emptying tanks, freezing coils or noisy operation.

## It's all about performance

Superior engineering with an advanced TXV valve delivers a product that works in a broader range of temperatures and maintains a higher capacity as inlet air temperature drops below 70°F.

The Aprilaire Dehumidifier delivers unprecedented performance for your home. It has about three times the capacity of leading portable dehumidifiers combined with an efficiency rating which is twice that of typical portable dehumidifiers.



## Aprilaire Model 1700 Dehumidifier delivers effective and reliable moisture control

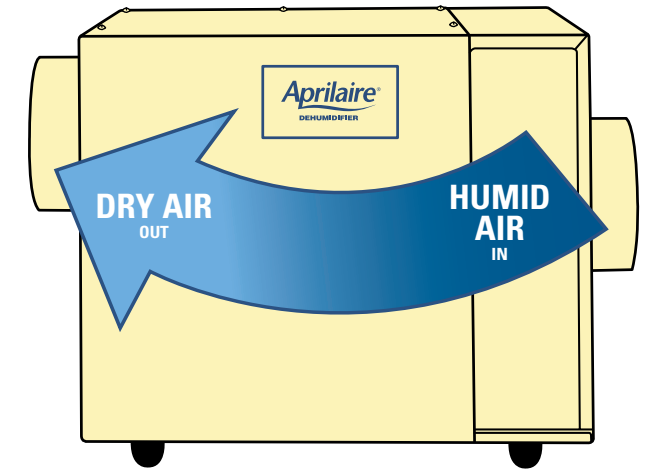
Experience a system that combines whole-home performance with optimized humidity control, comfort and indoor air quality throughout the entire home.

- **90 pints/day capacity** – With Aprilaire, you can **remove moisture from every room in your home** throughout the entire day.
- **Automatic control** – An Aprilaire Dehumidifier automatically operates based on the conditions within the home to **maintain the proper humidity levels** throughout your whole home.
- **Hassle-free operation** – Manages moisture based on your changing conditions so you don't need to make any adjustments or empty tanks.
- **Energy Star® rated** – High performance removes more moisture per kilowatt hour (50% more than most leading portables).
- **Broad operating conditions** – The unit can be installed in any type of home. The TXV valve allows for a broad temperature range, giving you greater flexibility of use in lower temperatures.
- **Automatic switching** – Switches automatically from whole-home to basement operation.

## Additional benefits of the ultimate solution for comfort and convenience

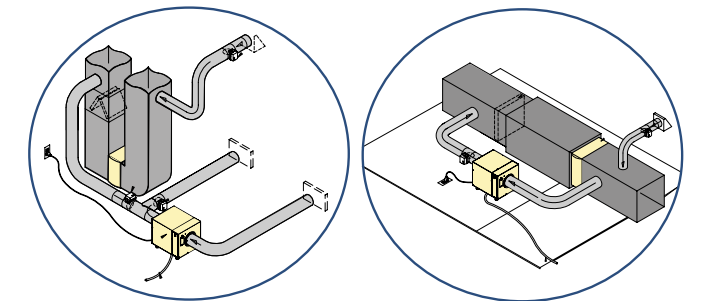
The benefits of whole-home dehumidification go well beyond superior performance:

- Quiet operation won't disturb your family
- Built-in intelligent ventilation improves indoor air quality
- Built-in fan cycling to help eliminate hot/cold spots and to improve air cleaner, dehumidifier and humidifier performance
- Installed as part of your heating/cooling system, won't disrupt your living space
- Maintains the value of your home by preventing damage from excess humidity



## One solution designed for all homes

The Aprilaire Dehumidifier works well for new or existing homes. There are flexible installation options to fit your needs.



Talk with your local heating/cooling contractor to find the installation that is perfectly designed for you and your home.



*Intelligent Solutions  
for Indoor Environments*

**Aprilaire dehumidifiers come with built-in intelligence. The Aprilaire whole-home dehumidifier monitors and controls the humidity in your home. It doesn't just remove moisture; it removes just the right amount. It also has intelligent ventilation so that you can improve the indoor air quality in your home.**

## A distinctive solution to control excess moisture

Enhance your comfort and protect your home with dehumidification from Aprilaire. Only whole-home dehumidification can provide the moisture control needed for optimal comfort for you, health for your family and durability of your home. And only whole-home dehumidification from Aprilaire can do it quietly, effectively and virtually maintenance-free. As the industry leaders in humidity control for over 50 years, trust Aprilaire to protect your household today.



**Model 1700  
whole-home  
dehumidifier**

For more information about Aprilaire Dehumidifiers, contact your local heating/cooling contractor today.



### Intelligent Solutions for Indoor Air

An entire line of indoor air quality solutions gives you products that are the best in their categories and together set a new standard for performance and reliability. Intuitive to use. Easy to maintain.

Aprilaire products enhance your comfort, health and energy efficiency.

- Automatic Humidifiers • Electronic Thermostats • Ventilation • UV Germicidal Lamps
- Zoned Comfort Control • High Efficiency Air Cleaners • Dehumidifiers