

Aprilaire®

Model 1700/1720 Whole-Home Dehumidifier

**The first easy, effective
way to dehumidify
your entire home.**



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

Your home can have the latest heating and cooling technology, but you and your family can still feel uncomfortable. Excessive humidity can be a big reason why.

Wherever you live, the spring, summer and fall seasons can be especially uncomfortable. Your home can feel cold and clammy at times. Surfaces you touch or walk over become sticky. You wake up at night because the house seems stuffy. All of these are symptoms of excess humidity.

Too much humidity can also be unhealthy and destructive. It creates an excellent breeding ground for hundreds of types of molds, mildew and other home invaders — such as dust mites — that can cause family ailments and attack your home’s structure and furnishings.



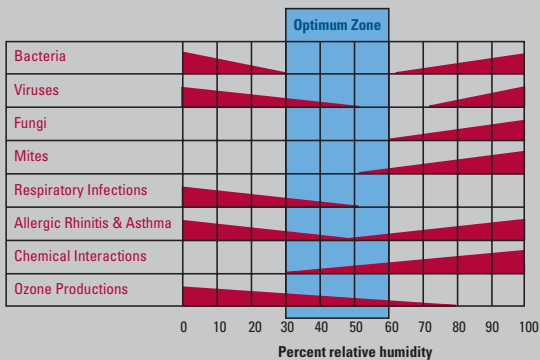
Today’s energy-efficient homes need more humidity control.

There have been significant energy-saving changes in new and remodeled home construction. Energy-efficient windows and doors with weather stripping are being installed. Insulation is thicker and the use of air-tight vapor barriers is more prevalent. Caulk seals cracks and other potential leaks. All these advances have made homes tighter and more efficient, but have resulted in your air-conditioning running less often, reducing the amount of moisture your system can remove during periods of high humidity.

Tighter homes have moisture loads that need to be controlled. Although moisture infiltration is reduced, many normal living activities — such as cooking, showering, dishwashing and doing laundry — add significant amounts of moisture. And because the heating and cooling system needs to operate less in a tighter home, less of this moisture is removed.

“Installing a dehumidifier is the only reliable way to control humidity in the home.”
– Green Building Program

Optimum relative humidity range to minimize harmful contaminants
 (a decrease in bar height indicates a decrease in effect for each of the items)



Source: ASHRAE, Adapted from Sterling et al., 1985

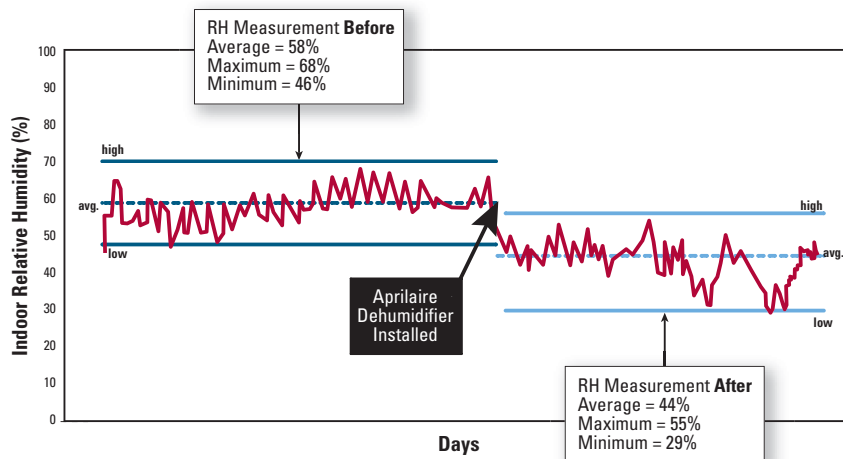
Data released by the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) demonstrates that keeping relative humidity in the optimum humidity zone limits the effects of many unwanted conditions.

Experts have identified the ideal level of relative humidity in a home to be between 30% to 60%. Keeping within this range ensures that your home is at its most comfortable and limits the effects of harmful household contaminants.

There’s never been a better time to consider a central whole-home dehumidifier system.

**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

Extensive before and after testing proves that the Aprilaire Model 1700/1720 Dehumidifier is very effective at controlling whole-home humidity. Before installing the Aprilaire Whole-Home Dehumidifier, the test home average humidity level was 58%, and much of the time the level was over the recommended limit of 60%. After installation, the humidity level dropped to an average of 44% and never exceeded 55%.

The Aprilaire Model 1700/1720 delivers effective, reliable moisture control.

Once again, Aprilaire is the leader — providing you humidity control, comfort and indoor air quality throughout the entire home.

- **Total comfort**—Aprilaire invented automatic humidity control and takes full advantage of this expertise to automatically sense moisture levels and maintain optimum humidity levels in your home, running the dehumidifier only when needed.
- **Automatic switching**—The Model 1700/1720 can also automatically switch between whole-home and localized dehumidification. This allows you to use one dehumidifier to control humidity in your whole-home when the air-conditioning fan is on, then convert to a specific location (i.e., basement) when air-conditioning system isn't operating.
- **Built for any temperature**—The use of an advanced Thermostatic Expansion Valve (TXV) helps the Model 1700/1720 resist the efficiency-sapping effects of lower temperatures. This helps it to remain effective over a broader range of temperatures than portable dehumidifiers.
- **Higher capacity and efficiency**—The Model 1700/1720 has up to 4 times the energy efficiency of typical portables, and enough capacity to dehumidify an entire home – not just one room.
- **Energy efficient**—The Model 1700 is Energy Star® rated, offering 50% more water removal per kilowatt hour than even the leading portable.
- **Low maintenance**—The Model 1700/1720 automatically manages moisture based on your changing conditions, so you don't need to constantly make changes or empty tanks.
- **A unit for every home size**—The Model 1700 for most homes and the Model 1720 for larger homes or extremely humid conditions.



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



Intelligent Solutions for Indoor Environments™

The Aprilaire Model 1700/1720 offers more than dehumidification.

Aprilaire has designed ventilation and fan cycling into the Model 1700/1720 to provide even more comfort to you.

Improved ventilation:

Optional, built-in ventilation delivers fresh outside air when your home needs it most, improving indoor air quality by diluting pollutants and ensuring your home receives the right amount of fresh air.

The dehumidifier uses measurements of outdoor temperature, along with a user adjustable time setting, to determine when

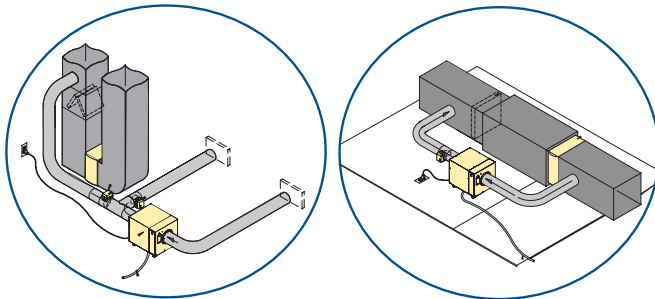
to ventilate with outdoor air. The Model 1700/1720 ventilates only when it is needed, never letting in air that is too hot or too cold into the home.

Improved air circulation:

Built-in fan cycling lets you consistently circulate the air in your home, improving the humidity and temperature balance throughout your home. Cold and hot spots are minimized, and the performance of other Aprilaire accessories — such as Automatic Humidifiers and Air Cleaners — are improved for better overall comfort. This setting is customizable based on your home's size.

One solution designed for all homes.

The Aprilaire Whole-Home Dehumidifier works well in new or existing homes. There are flexible installation options to fit your needs.



Your local heating/cooling contractor can recommend the installation that is perfectly designed for you and your home.



Optional Model 70 Living Space Control

- Allows control of the Model 1700/1720 from the comfort of your living room.
- Displays current relative humidity in your home.

Today's energy-saving air-conditioning systems save you money, but can't remove excess moisture.

Technology has vastly improved the efficiency of air-conditioning. Modern systems provide significant energy savings by reaching the desired temperature more efficiently and quickly than older systems. That means they run less frequently and have a much smaller impact on the amount of moisture that is removed from the air.

Your air conditioner is only a partial solution.

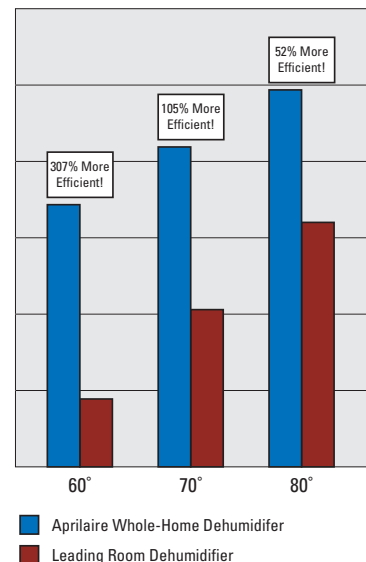
Air conditioners use a thermostat to control the cooling of your home, and only remove humidity as a byproduct of that cooling. By turning your thermostat lower to get rid of that clammy feeling, you are just making your home cooler than you'd like. That wastes energy and money.

In addition, your air conditioner only runs at its peak level on the hottest days of the year, which is roughly 2% to 3% of the time. The other 97% of the time, it seldom operates. Your air conditioner can't remove moisture when it isn't running. This situation is very apparent in spring and fall, when your home can be especially humid.

Your portable dehumidifier is only a partial solution.

Portable dehumidifiers provide some moisture removal in one room of your home, but they simply aren't designed to serve your whole home. They're noisy and require a lot of maintenance. And due to their design they are inefficient at removing moisture in real life conditions. At lower temperatures they remove substantially less moisture than rated but still use almost the same amount of energy. The table below shows how much more efficient the Aprilaire Model 1700 Dehumidifier is than a typical portable dehumidifier at various temperatures.

Aprilaire Model 1700 Dehumidifier vs. leading portable moisture removal efficiency



Moisture removal per kilowatt-hour of electricity used at 60% relative humidity.

The complete solution is the Aprilaire Whole-Home Dehumidifier.

For over 50 years, the name Aprilaire has stood for home humidity control. Today, Aprilaire sets the technical and quality standards in home comfort—and the Aprilaire Whole-Home Dehumidifier is the most advanced system in the industry.

Installed as part of your heating and cooling system, the high-capacity Aprilaire Whole-Home Dehumidifier is designed and engineered to control moisture and achieve proper humidity levels for greater comfort and optimum efficiency. And it does its job quietly, effectively and is virtually maintenance-free.

In addition, you can continue to dehumidify a separate area of your house where there is more humidity buildup, like your basement, even when your HVAC system isn't running. No other system can provide this peace of mind.

If you experience any of the following conditions, you need the Aprilaire Whole-Home Dehumidifier:

- Do you ever find the air in your home stuffy?
- Have you ever reduced the temperature setting because you're uncomfortable?
- Do you use a portable dehumidifier?
- Have you ever found that your floors and surfaces feel sticky and clammy?
- Are you concerned with mold and mildew growing in your home?
- Do you have musty odors in any area of your home?
- Do you have condensation on your water pipes?

The one way to control indoor humidity in your whole home.

Enhance your comfort and protect your home with the Aprilaire Whole-Home Dehumidifier. It's the first and only solution to total home moisture control — an essential part of a comfortable, healthy home today.

Get rid of that sticky feeling in the summer, minimize dampness throughout the spring and fall, and banish musty odors. Minimize the possibility of mold and mildew. Only whole-home dehumidification from Aprilaire can provide the moisture control needed for optimal comfort for your family — quietly, effectively and virtually maintenance-free.

As the industry leaders in humidity control for over 50 years, trust Aprilaire to protect your home and family today.



To experience the benefits of Aprilaire Dehumidifiers and other indoor air quality accessories, contact your local heating and cooling contractor today.



Intelligent Solutions for Indoor Environments[™]

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