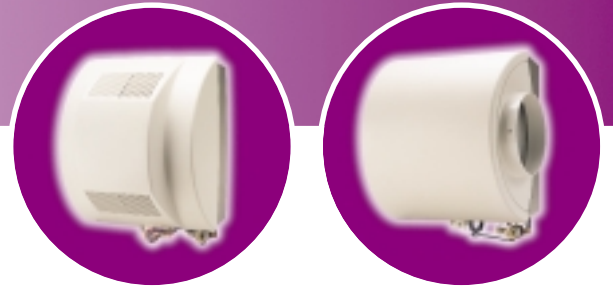


Whole-House Humidifiers Provide Whole-House Comfort



In the winter, relative humidity inside your home averages around 15%. The average humidity in the Sahara Desert is around 25%! Studies show that optimal humidity levels should be in the range of 35% to 50%. Unfortunately, your heating system is mostly to blame for the low humidity levels in your home, because the warm, dry air soaks up the moisture in the air. The result of this dry air can leave you with dry skin, blocked sinuses and other unpleasant health problems. Fortunately, you can solve this problem by installing a Whole-house Humidifier.

Whole-house humidifiers replenish the humidity in the air in a safe, water vapor form (no mist or droplets). They can help lower health risks by reducing static shocks, itchy skin, and dry coughs. Humidifiers can also help lower your risk of infection by bacteria and viruses, and reduce the possibility of allergic reactions or asthma attacks.

PRESERVE YOUR HOME'S BEAUTY

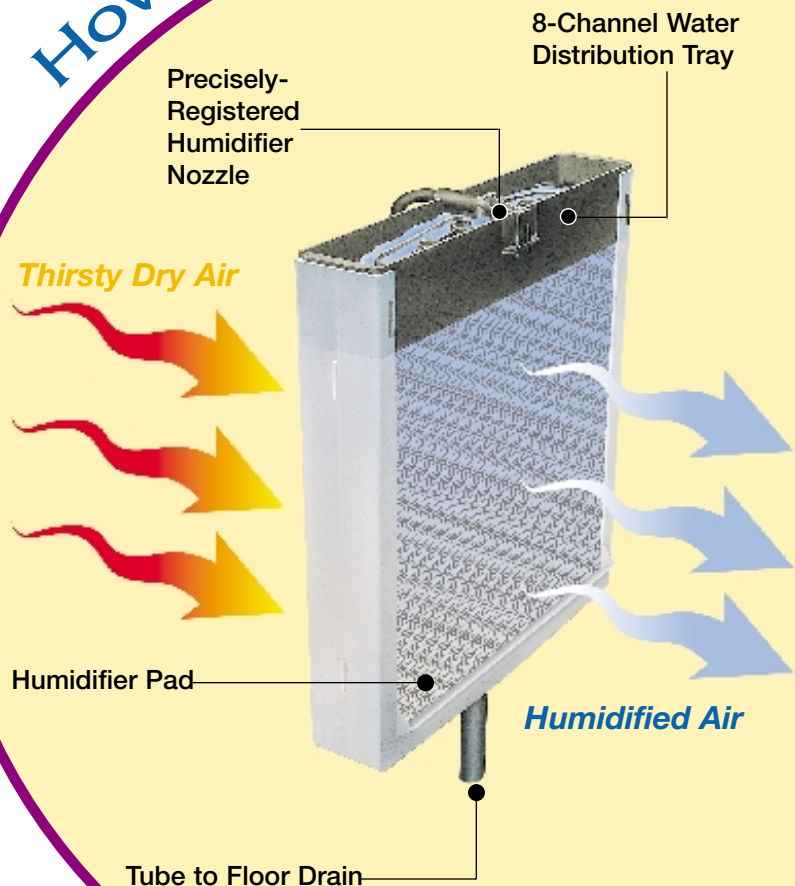
During the winter heating season, the dry air can virtually separate hardwood floors, make banisters unstable, loosen drawers and crack furniture.

Water flows through the humidifier nozzle into the precisely sloped water distribution tray, where eight channels direct the water to flow evenly across the humidifier pad. As thirsty, dry air is forced through the wet pad, some of the water evaporates and is distributed throughout your home in safe vapor form. Unevaporated water with dissolved minerals flushes down the drain tube. As a result of an efficient water-usage scheme, humidifiers use up to 40% less water than other brands, conserving a valuable natural resource.

The National Wood Flooring Association strongly recommends using a humidifier during the winter months to minimize wood movement and shrinkage.

The desert-dry indoor air can also cause musical instruments to shrink, crack and go out of tune. To avoid this scenario, manufacturers of pianos, guitars and other fine wooden musical instruments recommend the use of humidifiers. A humidifier preserves the beautiful finish, and it can reduce the need for frequent, expensive retuning.

How It Works



Typical Installations

SAY GOODBYE TO DRY

Dry air aggravates upper respiratory system and often leads to dry coughs, itchy skin and cracked nasal membranes, which in turn, are a common cause of bloody noses. Dry air can also increase your risk of infection by bacteria and upper respiratory viruses. Many doctors recommend the use of humidifiers to their patients with allergies and asthma to relieve their suffering.

Even when the thermostat is turned up, dry air can make you feel colder than the actual thermostat setting because evaporating moisture on your skin causes a cooling effect. Humidifiers can help lower your heating bills because humidified air feels warmer. For example, a 69° temperature at 35% relative humidity feels just as warm as a 72° setting at 19% relative humidity. Best of all, setting your thermostat back by three degrees can reduce annual heating bills by as much as 5%.

LOSE THE “ZAP”

Not only can a humidifier help you feel warmer, and help you save money, it can help you reduce the static shock “zap” that rudely awaits you when you reach for the light switch! Getting zapped is no fun when it happens to you, and your family members probably aren't too thrilled about being zapped either. With the capacity to hold a static charge up to 20,000 volts, your body can also create havoc on home computers and other electronic devices. By maintaining indoor relative humidity at 35% or higher, static shocks are greatly reduced.

In an average home, normal air infiltration around doors and windows completely replaces inside air about once every two hours. If the outdoor air was heated to room temperature, its relative humidity would plummet. For example, on a winter day with outdoor relative humidity at 60%, and outdoor temperature at 30°, warming outside air to 70° causes its relative humidity to drop to just 14%. By contrast, the average relative humidity for the Sahara Desert is 25%! It's no wonder that your home becomes bone dry quickly without a humidifier.



POWERED FLOW THROUGH

Installed on the warm air plenum of a forced air furnace, it utilizes the flow through design that constantly flushes away trouble causing minerals not deposited on the replaceable water panel and provides exactly the right amount of moisture in vapor form. A motor and fan accomplish the air movement necessary for high capacity evaporation.



BYPASS FLOW THROUGH

Air movement is accomplished through the humidifier by using the bypass principle, which forces air from the supply and pulls it into the return due to the positive pressure in the supply and negative pressure in the return.