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# CARRIER SBP Owner's Manual

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# HUMIDIFIERS

## COMFORT CONTROL



*IdealHumidity*  
SYSTEM™

An Integral Part of  
Carrier's **Exclusive**  
IdealHumidity™  
System

Model LBP

Model SBP

Model LFP

TAKE CONTROL OF YOUR COMFORT BY ADDING MOISTURE TO DRY, INDOOR AIR.

# CARRIER DELIVERS ENHANCED INDOOR COMFORT WITH HIGH-PERFORMANCE HUMIDIFIERS.

## CONTROL STRATEGY

As part of the Carrier indoor air quality strategy of Control, Filter and Refresh, controlling the humidity in your home is very important! You may not realize this, but in many cases, the air inside your home is drier than a desert. Dry, indoor air is often the culprit for such common problems as itchy or cracked skin, eye irritation, dry, stuffy nasal passages and, damaged wood-work in your home. In addition to these comfort issues, dry indoor air can increase the possibilities of catching or transmitting cold and flu viruses and can reduce the efficiency and effectiveness of your heating system. All of these problems can be alleviated with the help of a Carrier humidifier. Offering three different humidifiers, Carrier can provide enhanced indoor comfort, air quality and system efficiency with a model designed to fit your needs.

## COMFORT CONTROL

Adding moisture to the air inside your home improves the quality of the air that you breathe. In addition to the comfort issues, dry air can be the ideal atmosphere for the growth of bacteria and viruses. Viral infections such as a cold or flu are easier to contract or pass to others under low humidity conditions. These problems can be controlled through proper humidification with a Carrier whole-home humidifier. Keeping your home properly humidified can also help minimize the dust mite population and the growth of mold. Each of our humidifiers comes standard with our humidistat control, or you can upgrade to automatic humidity control with our HumidiTrac™ or Thermidistat™ Control options.



## EFFICIENCY

A Carrier humidifier enhances your ability to control system efficiency and effectiveness. As the moisture from indoor air evaporates, the temperature in your home feels colder. In the winter, that means you will likely turn up the thermostat to feel comfortable. As a result, your system will use extra energy. By putting moisture back into the air, a humidifier allows you to remain comfortable at a lower heating temperature for lower energy use and greater operating efficiency. To help maintain optimum performance of your Carrier humidifier, we recommend yearly replacement of the evaporator pad and routine cleaning of the drain.

## CARRIER QUALITY

Carrier humidifiers are equipped with many standard features. Depending on which model best matches your system, a Carrier humidifier will deliver between 12 and 18 gallons of moisture per day.

Carrier humidifiers are packaged in a thermoplastic cover with UV inhibitors. Carrier is the first to offer a humidifier casing designed to resist damage from ultraviolet light sources. This corrosion-resistant cover also withstands the stress of high temperatures and incidental impact for years of good looks and functionality.

As warm, dry air passes through the humidifier pad, moisture is absorbed into the air and distributed throughout your home for a more comfortable indoor environment.



A Carrier humidifier helps protect your furnishings for years by preventing damage due to dryness, cracking and separating.



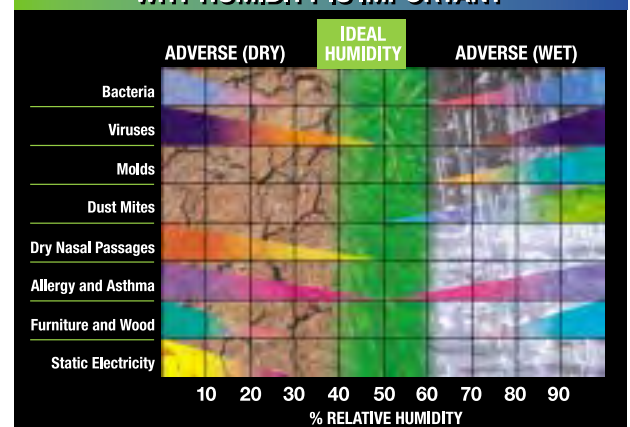
You can avoid those annoying shocks of static electricity this winter by adding a Carrier humidifier to your comfort system.

These features, along with our hard-earned reputation for delivering top-quality products make choosing a Carrier humidifier an easy choice. Once you choose Carrier, your local Comfort Control Specialist will analyze your system and help select the perfect humidifier model for controlling your indoor comfort.

### RELATIVE HUMIDITY COMPARISON

5%-15%	23%	25%	40% - 60%
Average Home in Winter Months	Death Valley	Sahara Desert	Recommended Home

### WHY HUMIDITY IS IMPORTANT



Maintaining optimum humidity in your home can provide relief from dry nasal passages, static electricity, and dry, itchy skin. Proper humidity control is also important for minimizing the growth of bacteria, molds, viruses and dust mites.

# CARRIER HUMIDIFIERS OFFER AUTOMATIC SOLUTIONS TO DRY INDOOR AIR.

## CHOICES

Carrier puts you in control of your comfort with three distinct options for maintaining proper humidity in your home. We understand that not all homes – and homeowners – are alike. From the very basic to the very sophisticated, we offer three options for humidity system control.

### HUMIDISTAT



The humidistat provides accurate, manual control of humidity levels. When conditions change, simply adjust the control for more or less humidity. Simple to set and easy to use, the humidistat comes standard with every humidifier we offer.

### HUMIDITRAC™



For automatic humidity control, you can upgrade to a Carrier HumidiTrac control. With HumidiTrac, set your desired humidity level, and then walk away. This

system responds to changes in outdoor temperatures, taking about 86,000 readings per day, and automatically adjusts the relative humidity in your home for maximum comfort. HumidiTrac can help your humidifier provide 50% more moisture than standard humidifier/control combinations.



### THERMIDISTAT™ CONTROL

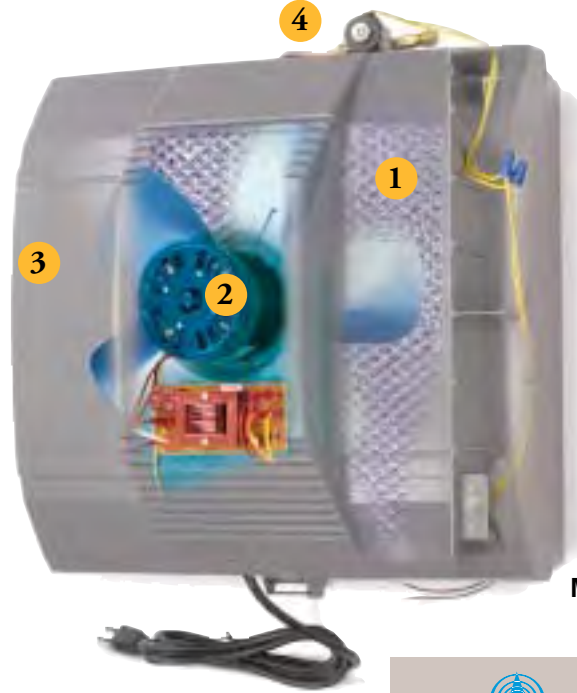


The patented Carrier Thermidistat Control combines the features of a deluxe

thermostat and an automatic humidistat to deliver comfort control no other manufacturer offers. This optional upgrade monitors both temperature and humidity levels, then adjusts system operation for the best combination of comfort and energy efficiency.

## MODEL LFP

- 1 Easy maintenance and cleaning** of the treated expanded aluminum pad ensures top performance. Pad can be removed easily through the access door on the front of the humidifier.
- 2 Quiet operation** is provided by the precision-tuned fan and motor combination. The fan efficiently draws dry air through the evaporator pad, turning water into water vapor.
- 3 Attractive and corrosion Resistant thermoplastic cover** is designed to withstand high temperatures and impact for long-lasting durability. UV-resistant plastic will not deteriorate with exposure to ultraviolet light sources.
- 4 Optimum moisture distribution** is measured and controlled through our combined solenoid valve and water distribution system.



Model LFP



*IdealHumidity*  
SYSTEM

The Carrier IdealHumidity™ System works all day and all night to control both temperature AND humidity for the ultimate in comfort all year long.

Other systems rely on heating or cooling to control humidity. IdealHumidity from Carrier is the ONLY system that controls humidity even when the indoor temperature does not require heating or cooling operation. Carrier humidifiers can be a part of an IdealHumidity System with the addition of a variable speed furnace or fan coil and a Thermidistat Control. Ask your Carrier dealer for details.

## WARRANTY

Carrier offers the best humidifier warranties in the industry. The entire unit is backed by a **five-year parts limited warranty**. Extended warranty programs are also available. Ask your Carrier dealer for details.



Model	LBP	SBP	LFP
Capacity	17 GPD*	12 GPD*	18 GPD*
Unit Type	Large By-Pass	Small By-Pass	Large Fan-Powered
Evaporator Pad	Expanded Aluminum	Expanded Aluminum	Expanded Aluminum

Note: Use of hot water will increase gallons per day. Ask your Carrier dealer for information.

\*GPD: Gallons Per Day

# CARRIER SYSTEMS OFFER UNMATCHED CONTROL.

## CARRIER SYSTEMS

### Humidifier

As part of a total Carrier system, a Carrier humidifier replenishes moisture to dry, indoor air.

### Evaporator Coil

A Carrier evaporator coil is matched with the proper outdoor unit to provide top cooling efficiency and years of reliable service. If replacing your outdoor unit, Carrier recommends the replacement of the indoor section as well, to ensure peak performance and reliability.

### Furnace

Carrier offers a complete line of top-quality, high-efficiency gas and oil furnaces. Your local Carrier dealer can recommend the furnace that is right for you.

### Air Cleaner

Carrier air cleaners can substantially improve your indoor air quality by removing harmful and irritating airborne pollutants from your home.

### Air Conditioner

A complete line of Carrier air conditioners provides reliable, high-efficiency cooling for long-lasting comfort and energy savings. Ask your Carrier dealer about environmentally sound Carrier air conditioners with Puron® refrigerant.

### Zoning

Comfort zoning allows you to set different temperatures for different areas of your home. Enjoy greater comfort and added energy savings with room-to-room temperature control.

### Comfort Ventilator

A Carrier comfort ventilator adds a breath of fresh air to today's tightly constructed home. It combines fresh outdoor air with conditioned indoor air for improved air and energy exchanges.

### Thermidstat™ Control

A Carrier Thermidstat Control is your command center. Precise temperature control and programmable features keep you in touch with your comfort.



## MATCHING COMPONENTS PROVIDE OPTIMUM COMFORT, EFFICIENCY AND PERFORMANCE

- Forced-air systems are usually built around an indoor unit, such as a furnace or a fan coil.
- The outdoor unit will be an air conditioner or heat pump combined with a furnace for year-round comfort.
- Air quality is greatly improved with the addition of an air cleaner, humidifier and a ventilator.
- Precise temperature control comes from a Carrier thermostat matched to your Carrier system.
- Zoning provides the ultimate in control over your indoor comfort system.



## EXPERTISE

Carrier has been on the leading edge of the industry since Willis Carrier invented what we now know as air conditioning in 1902.

Since that time, Carrier scientists, engineers and dealers have been providing homeowners with the most advanced home comfort technology available. This technological

advantage has enabled Carrier to customize systems for millions of homeowners nationwide.

**Today, you can rely on your local Carrier dealer to evaluate your needs and suggest a customized system that fits those precise requirements.** By recommending the

appropriate furnace, air conditioner, humidifier, air cleaner, ventilator, zoning system and control, your Carrier dealer can offer enhanced comfort while improving the efficiency of your system. Ask your local Carrier dealer for a system evaluation today.



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