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Aprilaire 800

AprilAire 800 Whole-House Steam Humidifier Instruction Manual

Model: 800

1. Introduction

The AprilAire Model 800 is a whole-house steam humidifier designed to maintain optimal humidity levels in your home. This manual provides essential information for the safe and effective installation, operation, and maintenance of your humidifier. Proper humidity control can contribute to a healthier indoor environment and help preserve your home's furnishings.

2. Important Safety Information

WARNING: Disconnect power before servicing. Read the entire maintenance manual before servicing.
This humidifier operates with electricity and water, which can pose hazards if not handled correctly. Always follow local electrical and plumbing codes. Ensure the unit is properly grounded. Hot surfaces and steam can cause burns. Allow the unit to cool down before performing any maintenance. Wear appropriate protective gear when handling components, especially the steam canister.

3. Product Features

- **Electrode Technology:** Utilizes electrode technology for steam generation, simplifying operation and maintenance.
- **Large Capacity:** Provides humidification for homes up to 10,300 square feet (tightly built).
- **Automatic Control:** Features a Model 62 automatic digital humidifier control with sensors for outdoor temperature and indoor relative humidity.
- **Water Compatibility:** Operates effectively with water hardness between 3 and 36 grains; purified water is not required.
- **Health Benefits:** Helps maintain optimal indoor humidity (40%-60%) to reduce respiratory infections, allergies, and asthma symptoms.





Figure 3.1: AprilAire 800 Whole-House Steam Humidifier with Model 62 Automatic Digital Control.



Figure 3.2: The AprilAire 800 Humidifier offers extensive whole-house coverage for optimal humidity.

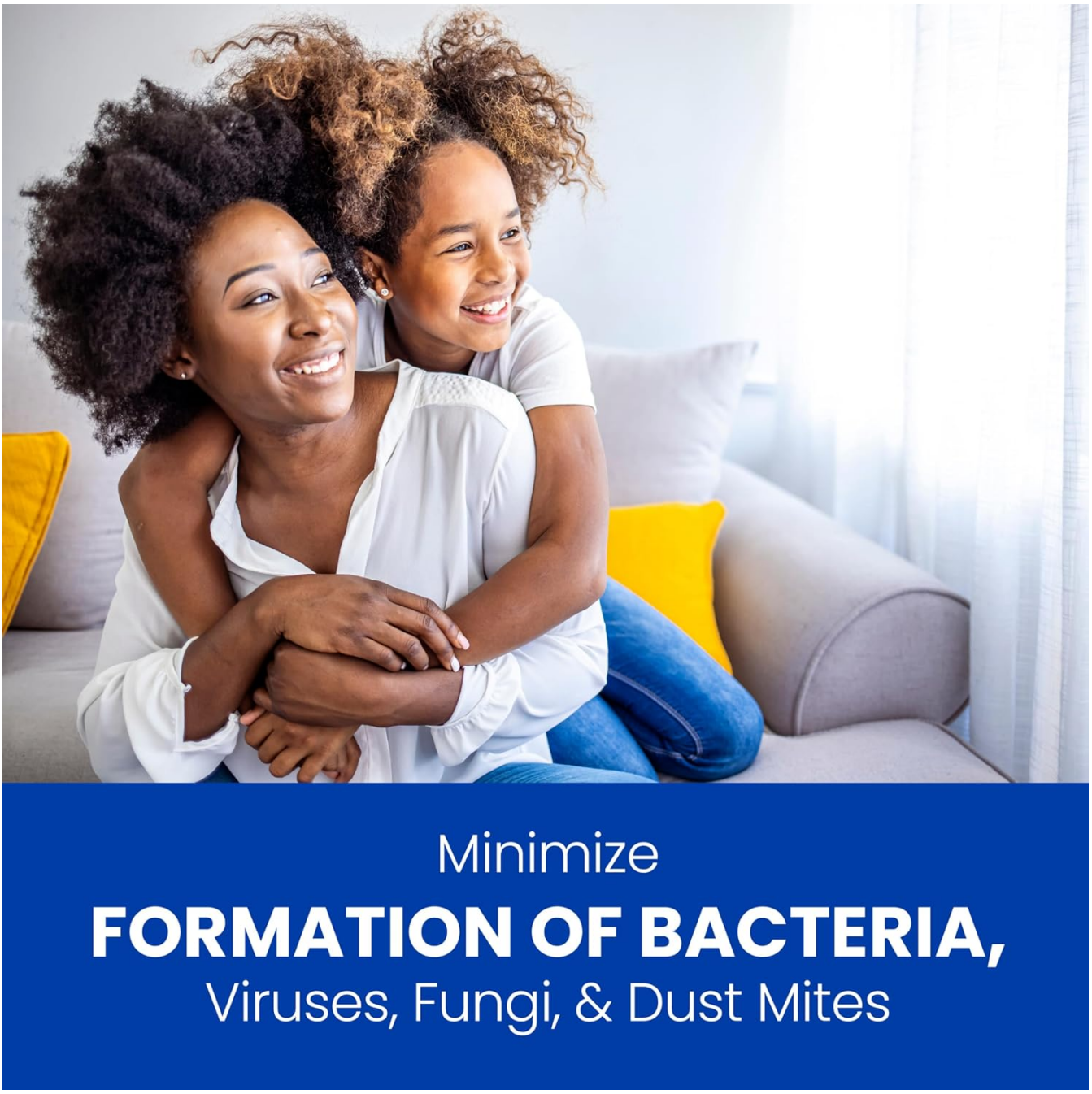

Figure 3.3: Maintaining proper humidity levels with AprilAire humidifiers can help minimize the formation of bacteria, viruses, fungi, and dust mites.

▶ **Watch video online**

AprilAire Humidification Benefits Educational Overview

Video 3.1: This video provides an educational overview of the benefits of AprilAire humidification, explaining how maintaining optimal humidity contributes to a healthier home environment.

4. Included Components

The AprilAire 800 Whole-House Steam Humidifier package includes the following items:

- Steam Humidifier Unit
- Model 62 Automatic Digital Humidifier Control with Sensor
- Outdoor Temperature Sensor
- Dispersion Tube

- Steam Hose (6 feet)
- 7/8 inch Drain Tubing (10 feet)
- Hose Clamps
- Saddle Valve
- Mounting Screws
- Model #80 Steam Canister
- Installation Instructions



Figure 4.1: A visual representation of all components included in the AprilAire 800 Whole-House Steam Humidifier package.

5. Installation

Installation of the AprilAire 800 Steam Humidifier involves electrical, plumbing, and HVAC system integration. It is recommended that installation be performed by a qualified HVAC professional to ensure proper function and adherence

to all local codes.
Key installation steps typically include:

1. **Mounting the Unit:** Securely mount the humidifier to a wall near your HVAC system.
2. **Electrical Connection:** Connect the unit to the appropriate electrical supply (120V or 240V, depending on the model and desired output).
3. **Water Supply:** Connect the humidifier to a cold water line. Note that water filtration is generally not required due to the electrode technology.
4. **Drain Connection:** Connect the drain tubing to a suitable drain.
5. **Steam Dispersion:** Install the steam dispersion tube into the supply plenum of your HVAC system.
6. **Control Wiring:** Wire the Model 62 automatic digital control and outdoor temperature sensor.



Figure 5.1: An AprilAire 800 Steam Humidifier shown installed and connected to a home's duct system.

6. Operating Instructions

The AprilAire Model 800 features automatic control for ease of use. Once installed and powered, the Model 62 digital

control will monitor both outdoor temperature and indoor relative humidity to deliver optimal humidity levels.
To operate the unit:

1. **Power On:** Ensure the humidifier is connected to power and the main switch is on.
2. **Set Desired Humidity:** Use the Model 62 digital control to set your desired indoor humidity level. The control will automatically adjust the humidifier's operation to maintain this setting.
3. **Automatic Mode:** The system will automatically activate when humidity levels fall below the set point and deactivate when the desired level is reached.
4. **Monitoring:** The digital display on the control shows the current indoor humidity. Indicators may also show operational status (fill, steam, drain, service).



Figure 6.1: The AprilAire Model 62 Automatic Digital Humidifier Control allows users to set and monitor indoor humidity levels with ease.

7. Maintenance

Regular maintenance is crucial for the longevity and efficient operation of your AprilAire 800 Humidifier. The primary maintenance task is the replacement of the steam canister.

- **Steam Canister Replacement:** The Model #80 steam canister is designed for yearly replacement. This electrode technology eliminates the need for cleaning, as the electrodes are contained within the replaceable canister.
- **Electrode Wire Replacement:** Electrode wires should be replaced approximately every three years.

Always disconnect power to the humidifier before performing any maintenance. Allow the unit to cool completely before handling the steam canister.





Figure 7.1: Recommended replacement schedule for the steam canister (yearly) and electrode wires (every 3 years) to maintain optimal performance.

8. Troubleshooting

If your AprilAire 800 Humidifier is not operating as expected, consider the following general troubleshooting steps:

- **No Power:** Check the electrical supply and ensure the unit is properly plugged in and the circuit breaker has not tripped.
- **No Steam Output:** Verify that the water supply is open and the steam canister is correctly installed and not due for replacement. Check the digital control for any error codes.
- **Humidity Not Reaching Set Point:** Ensure the set humidity level is appropriate for your home's conditions. Verify that the HVAC fan is operating when humidification is needed.
- **Error Codes:** Refer to the full owner's manual for a detailed list of error codes and their corresponding solutions.

For persistent issues, contact a qualified HVAC technician or AprilAire customer support.

9. Specifications

Feature	Specification
Brand	Aprilaire
Model Name	Humidifiers Steam
Model Number	800
Operation Mode	Steam
Floor Area Coverage	Up to 10,300 Square Feet (tightly built homes)
Output Capacity	11.5 to 34.6 gallons per day (based on voltage and installation)
Voltage	120 Volts (AC) or 240 Volts (AC)
Product Dimensions	7.13"D x 10.13"W x 20.88"H
Item Weight	23 Pounds
Special Features	Adjustable Humidity Control, Auto Shut Off, Digital Display, Humidistat, Service Filter Indicator

Feature	Specification
Water Hardness Range	3 to 36 grains



Figure 9.1: Key dimensions of the AprilAire 800 Whole-House Steam Humidifier.

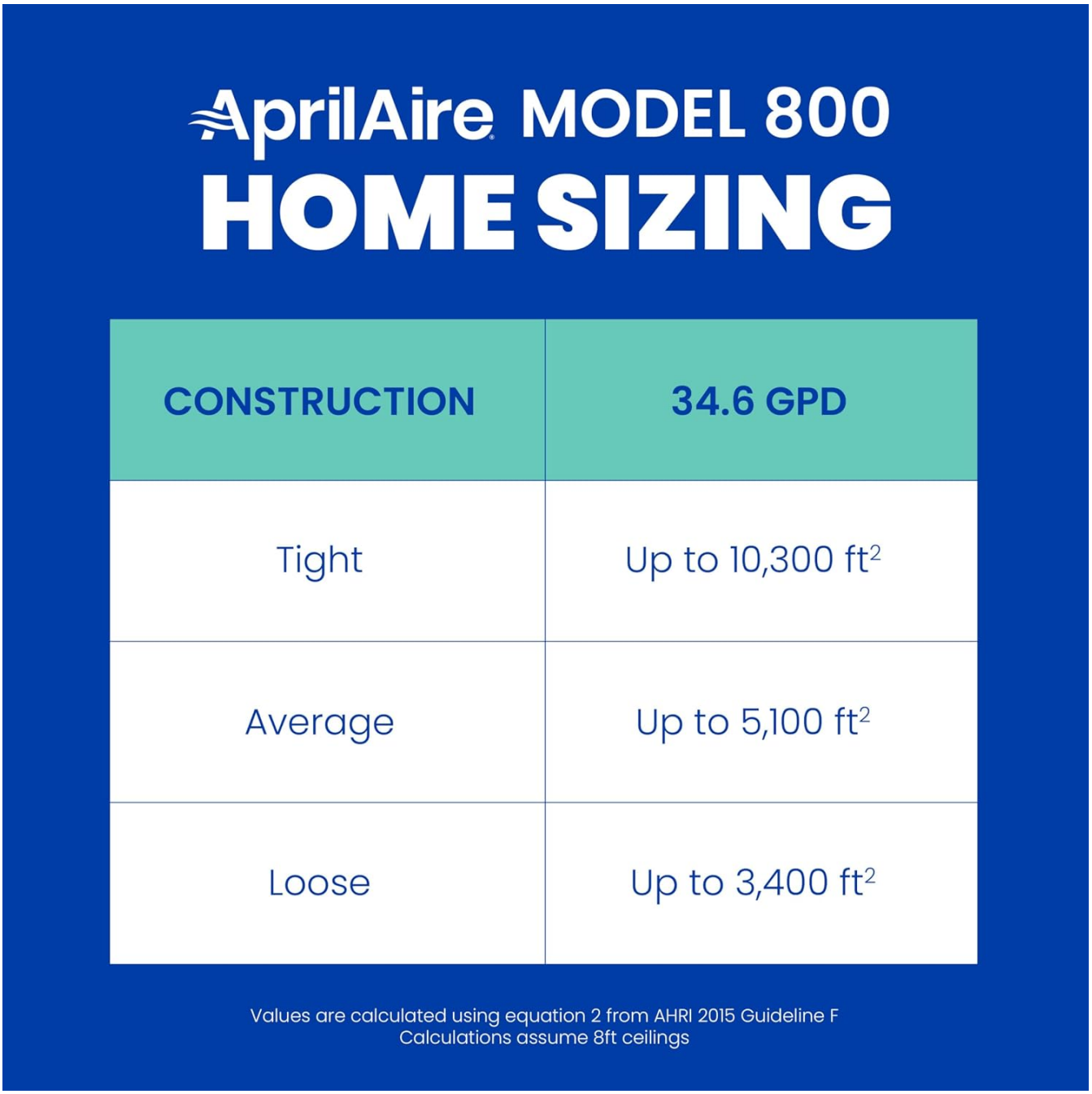

Figure 9.2: AprilAire Model 800 home sizing guide, indicating coverage area based on home construction and gallons per day (GPD) output.

10. Warranty and Support

The AprilAire Model 800 Whole-House Steam Humidifier comes with a 5-year manufacturer's warranty. For warranty claims, technical support, or to purchase genuine replacement parts, please refer to the contact information provided in your product packaging or visit the official AprilAire website.

▶ **Watch video online**

Features of AprilAire 800 Whole-Home Steam Humidifier

Video 10.1: This video highlights the key features and benefits of the AprilAire 800 Whole-Home Steam Humidifier, providing a visual overview of its capabilities.

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