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## GeneralAire 1099-20

# GeneralAire 1099-20 Humidifier Evaporative Water Pad Instruction Manual

Model: 1099-20

## INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your **GeneralAire 1099-20 Humidifier Evaporative Water Pad**. This evaporative pad is designed as a replacement for GeneralAire Humidifier Models 1099, 1099 LH, and 1099LH. Adhering to these instructions will ensure optimal performance and longevity of the product.



Image 1: The GeneralAire 1099-20 Humidifier Evaporative Water Pad. This image displays the full evaporative pad, featuring its metallic frame and the internal honeycomb-like evaporative material.

## INSTALLATION INSTRUCTIONS

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The GeneralAire 1099-20 is a replacement evaporative water pad. Installation typically involves replacing an existing, worn-out pad within a compatible GeneralAire humidifier model.

1. **Safety First:** Before beginning any installation or maintenance, ensure your humidifier unit and the furnace (if applicable) are powered off at the circuit breaker to prevent electrical hazards.
2. **Access the Humidifier:** Locate the humidifier unit attached to your HVAC system. Open the access panel or cover to expose the existing evaporative pad. Refer to your specific GeneralAire humidifier model's manual for detailed access instructions.
3. **Remove Old Pad:** Carefully remove the old, used evaporative water pad. Note its orientation within the humidifier. Dispose of the old pad responsibly.
4. **Inspect Humidifier Components:** While the unit is open, inspect the water distribution tray, drain pan, and water

supply lines for any mineral buildup or blockages. Clean these components as necessary.

5. **Install New Pad:** Insert the new GeneralAire 1099-20 evaporative water pad into the humidifier unit. Ensure it is seated correctly within the distributor trough and rails, matching the orientation of the pad you removed. The dimensions of the pad are 14-1/4" x 12" x 1-1/2".
6. **Secure and Restore Power:** Close and secure the humidifier's access panel or cover. Restore power to the humidifier and furnace at the circuit breaker.
7. **Test Operation:** Turn on your humidifier and verify that water is flowing evenly over the new pad and that the unit is operating as expected.



Image 2: The GeneralAire 1099-20 Evaporative Water Pad shown with measurement markings, indicating its approximate dimensions of 15 inches (38 cm) in height. This helps confirm the correct size for installation.

## OPERATING PRINCIPLES

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The GeneralAire 1099-20 evaporative water pad functions as the core component of your GeneralAire bypass or fan-powered humidifier. Water is supplied to the top of the pad and flows down through its porous, honeycomb-like structure. As warm, dry air from your furnace passes through the moistened pad, it absorbs moisture through evaporation, increasing the humidity level in your home. The humidified air is then distributed throughout your ductwork. The effectiveness of the humidifier is directly dependent on the condition of the evaporative pad. A clean, properly saturated pad ensures efficient moisture transfer and optimal humidification.

## MAINTENANCE

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Regular maintenance of your evaporative water pad is crucial for maintaining humidifier efficiency and air quality.

- **Annual Replacement:** It is recommended to replace the GeneralAire 1099-20 evaporative water pad at least once per heating season, typically annually. Over time, mineral deposits from the water will accumulate on the pad, reducing its evaporative capacity and potentially affecting air quality. Some users report optimal performance for up to 12 months before degradation of the pad material and framework begins.
- **Inspection:** Periodically inspect the pad during the heating season for signs of heavy mineral buildup (white, crusty

deposits) or deterioration. If the pad appears heavily scaled or damaged before the annual replacement cycle, it should be replaced sooner.

- **Cleaning (Not Recommended for Pad):** While other humidifier components can be cleaned, the evaporative pad itself is designed for replacement, not cleaning. Attempting to clean the pad may damage its structure and reduce its effectiveness.

## TROUBLESHOOTING COMMON ISSUES

If your humidifier is not performing optimally after installing a new GeneralAire 1099-20 pad, consider the following:

- **Low Humidity Output:**
  - Ensure the humidifier's water supply is open and water is flowing to the distribution tray.
  - Check that the new pad is correctly seated and fully saturated with water.
  - Verify that the humidifier's humidistat setting is appropriate for your desired humidity level.
  - Inspect for any blockages in the water supply line or drain.
- **Water Leaks:**
  - Confirm all water connections are tight and free of leaks.
  - Ensure the drain line is clear and properly sloped for drainage.
  - Check that the pad is not overflowing the distribution tray due to incorrect installation or excessive water flow.
- **Unusual Odors:**
  - While a new pad should not cause odors, if present, ensure the humidifier unit itself is clean and free of stagnant water or mold.
  - Verify that the water supply is fresh and not contaminated.

For persistent issues, consult the full instruction manual for your specific GeneralAire humidifier model or contact a qualified HVAC technician.

## SPECIFICATIONS

Brand	GeneralAire
Model Number	1099-20
Compatible Humidifiers	GeneralAire Models 1099, 1099 LH, 1099LH
Dimensions (L x W x D)	14-1/4" x 12" x 1-1/2" (36.2 cm x 30.5 cm x 3.8 cm)
Material	Aluminum frame with evaporative media
Operation Mode	Evaporative
Item Weight	1.35 pounds (0.61 Kilograms)
UPC	796841945555, 683786070261, 885500658056

## WARRANTY INFORMATION

Specific warranty details for the GeneralAire 1099-20 Humidifier Evaporative Water Pad are not provided in this document. For information regarding product warranty, please refer to the documentation included with your original

GeneralAire humidifier unit or contact GeneralAire customer support directly.

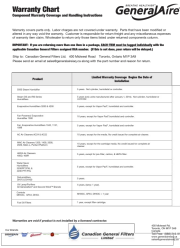

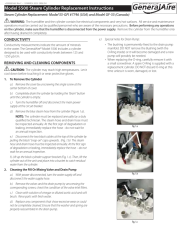

## CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding the GeneralAire 1099-20 Evaporative Water Pad, please contact GeneralAire customer service. Contact information can typically be found on the manufacturer's official website or in the original humidifier manual.



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### Related Documents - 1099-20

	<p><a href="#">GeneralAire Warranty Chart: Component Coverage &amp; Handling Instructions</a></p> <p>Comprehensive warranty chart detailing coverage periods and handling instructions for GeneralAire humidifiers, air cleaners, purifiers, and dehumidifiers from Canadian General Filters Ltd.</p>
	<p><a href="#">GeneralAire GF-3200PFT Installation Manual: Evaporative Humidifier Guide</a></p> <p>Detailed installation guide for the GeneralAire GF-3200PFT Electronically Controlled Pulsed Flow Humidifier. Covers plenum installation, ductwork, water supply, electronic controller setup, wiring, startup, and maintenance procedures for HVAC professionals.</p>
	<p><a href="#">GeneralAire Model 5500 Steam Cylinder Replacement Instructions</a></p> <p>Detailed instructions for replacing the steam cylinder in a GeneralAire Model 5500 humidifier, including safety precautions, removal, cleaning, and reassembly procedures.</p>
	<p><a href="#">GeneralAire 5500 Steam Humidifier: Installation and User Manual</a></p> <p>Comprehensive installation and user manual for the GeneralAire 5500 Steam Humidifier. Learn about setup, operation, maintenance, and troubleshooting for optimal indoor air quality.</p>

## GeneralAire Elite Steam Humidifier Installation & User Manual – Duct Models

Comprehensive guide for installing and operating the GeneralAire Elite Steam Humidifier, Duct Models. Covers setup, operation, maintenance, troubleshooting, and technical specifications for optimal indoor air quality.

# GeneralAire Model 1137 Humidifier Installation and Owner's Manual

Comprehensive installation and owner's manual for the GeneralAire Model 1137 Legacy Flow Through Humidifier (GFI #5137). Learn about specifications, installation steps, wiring, maintenance, troubleshooting, and warranty.