

Fisher & Paykel HC150

Fisher & Paykel HC150 Heated Humidifier Chamber User Manual

Model: HC150

INTRODUCTION

The Fisher & Paykel HC150 is a stand-alone heated humidifier designed to add humidification to standard CPAP therapy. Its primary function is to maintain hydration and prevent discomfort during respiratory therapy. This device is engineered to integrate with various CPAP machines, providing a consistent level of heated humidification.

A key feature of the HC150 is its Ambient Tracking technology. This innovation addresses common issues such as condensation and water droplets forming in the tubing, which often occur when room temperatures drop during the night. By actively managing humidification based on ambient conditions, the HC150 aims to reduce gurgling noises and the need for frequent tubing drainage, enhancing user comfort and therapy effectiveness.

SETUP

The HC150 is designed as a stand-alone unit, allowing it to be adapted for use with a wide range of CPAP machines. Follow these steps for initial setup:

1. **Placement:** Place the HC150 on a stable, flat surface, ensuring it is below the level of your CPAP machine to prevent water from flowing back into the device.
2. **Fill the Chamber:** Open the humidifier chamber and fill it with distilled water up to the maximum fill line. Do not overfill.
3. **Connect Tubing:** Connect one end of your CPAP tubing to the air outlet port of the HC150. Connect the other end of the tubing to your CPAP mask. Ensure all connections are secure to prevent air leaks.
4. **Power Connection:** Plug the HC150 power cord into a suitable electrical outlet.
5. **Integration with CPAP:** If your CPAP machine has a humidifier bypass or a specific port for external humidifiers, ensure it is correctly configured according to your CPAP machine's manual.



Image: The Fisher & Paykel HC150 Heated Humidifier, showing its compact design, clear water chamber, and the connection point for the corrugated air tubing. The control dial and power button are visible on the front panel.

OPERATING INSTRUCTIONS

Once set up, operating the HC150 is straightforward:

1. **Power On:** Press the power button located on the front panel to turn on the humidifier. An indicator light will illuminate, confirming the unit is active.
2. **Adjust Humidity Level:** Use the control dial to adjust the heater plate temperature. The temperature range is from 30°C to 65°C (86°F to 149°F). Start with a moderate setting and adjust as needed for optimal comfort. Higher settings provide more humidification.

3. **Ambient Tracking:** The HC150's Ambient Tracking feature automatically adjusts the humidification output in response to changes in room temperature. This helps to prevent condensation in the tubing and ensures consistent humidity delivery throughout the night. No manual adjustment is typically needed for this feature.
4. **Monitoring:** Periodically check the water level in the chamber. Refill with distilled water as necessary.
5. **Power Off:** When therapy is complete, press the power button to turn off the humidifier.

MAINTENANCE

Proper maintenance ensures the longevity and hygienic operation of your HC150 humidifier. As the HC150 uses a disposable chamber, regular replacement is key.

- **Daily:**
 - Empty any remaining water from the chamber.
 - Wipe the exterior of the humidifier with a clean, damp cloth.
- **Regular Replacement:** The HC150 utilizes a disposable water chamber. For optimal performance and hygiene, inspect the chamber regularly for any signs of wear, discoloration, or residue buildup. Replace the chamber as needed, or as recommended by your healthcare provider or the product's packaging.
- **Cleaning the Heater Plate:** Ensure the heater plate is clean and free of mineral deposits. If deposits are present, wipe them gently with a damp cloth. Do not use abrasive cleaners or harsh chemicals.
- **Storage:** If storing the unit for an extended period, ensure the chamber is empty and dry. Store in a clean, dry place away from direct sunlight.

Note: If you observe any unusual residue or degradation within the disposable chamber, discontinue use and replace it immediately. Always use distilled water to minimize mineral buildup.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your HC150 humidifier.

Problem	Possible Cause	Solution
Excessive condensation or water in tubing	Room temperature drop, humidity setting too high, tubing not insulated.	Ensure Ambient Tracking is active. Lower the humidity setting. Consider using insulated tubing if available. Ensure the humidifier is placed below the CPAP machine.
Gurgling noise from tubing	Water accumulation in tubing.	This is often related to condensation. Adjust humidity settings or consider insulated tubing. Briefly lift the tubing to drain water back into the chamber if safe to do so.
No humidification or insufficient humidity	Chamber empty, power not connected, humidity setting too low, chamber not seated correctly.	Check water level and refill with distilled water. Ensure power cord is securely plugged in. Increase humidity setting. Verify the chamber is properly seated on the heater plate.

Problem	Possible Cause	Solution
Unusual residue or "gunk" in chamber	Mineral buildup from tap water, degradation of disposable chamber material.	Always use distilled water. If residue persists or chamber material appears degraded, replace the disposable chamber immediately. Do not attempt to clean and reuse a degraded chamber.

SPECIFICATIONS

Feature	Detail
Model Name	HC150
Dimensions (D x W x H)	2.1 in. x 5.2 in. x 5.7 in. (5.3 cm x 13.2 cm x 14.5 cm)
Weight (with chamber)	1.8 lbs (0.82 kg)
Heater Plate Temperature Range	30°C to 65°C (86°F to 149°F)
Operation Mode	Evaporative
Compatibility	Stand-alone unit, adaptable to various CPAP machines

WARRANTY AND SUPPORT

For specific warranty information regarding your Fisher & Paykel HC150 Heated Humidifier Chamber, please refer to the documentation provided at the time of purchase or contact Fisher & Paykel Healthcare directly. They can provide details on warranty coverage, terms, and conditions.

For technical support, product inquiries, or assistance with any issues not covered in this manual, please contact Fisher & Paykel Healthcare customer service or your authorized medical equipment supplier.

Always provide your product model number (HC150) when seeking support.

You may find contact information on the official Fisher & Paykel Healthcare website or through your local distributor.