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› User Manual for Noaton DF 4114 Dehumidifier and Air Purifier

Noaton 4114

Noaton DF 4114 Dehumidifier and Air Purifier User Manual

Model: DF 4114 | Brand: Noaton

1. INTRODUCTION

The Noaton DF 4114 is a versatile 3-in-1 appliance designed to improve indoor air quality by functioning as a dehumidifier, air purifier, and laundry dryer. It efficiently removes excess humidity from the environment and purifies the air by eliminating dirt and particles. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Noaton DF 4114 unit.

Key features include:

- Powerful and energy-efficient compressor technology, ideal for rooms up to 25 m² (63 m³).
- Dehumidification capacity of up to 13.5 liters per day with a maximum power consumption of 180 W.
- Integrated air purification function with an effective activated carbon filter, capturing coarse particles and eliminating gaseous substances like smoke and odors.
- Extremely quiet operation, suitable for bedrooms, featuring a Sleep mode that dims indicators and reduces fan speed.
- Compact design (50 x 28 x 20 cm) with a handle and flexible wheels for easy portability.
- Automatic humidity maintenance, 24-hour timer, and child lock function.
- Option for continuous condensate drainage using the included drain hose.
- Utilizes eco-friendly R290 refrigerant, which has no negative impact on the ozone layer and minimal global warming potential.

2. IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before using the appliance and retain them for future reference. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always connect the appliance to a properly grounded power outlet.
- Do not operate the appliance with a damaged cord or plug. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- Do not block air inlets or outlets. Ensure adequate space around the unit for proper airflow.
- Do not insert fingers or foreign objects into the air inlets or outlets.
- Do not use the appliance in wet or damp environments, such as bathrooms or laundry rooms, where it may come into contact with water.
- Always unplug the appliance before cleaning, performing maintenance, or when not in use for extended periods.
- Keep the appliance out of reach of children and pets. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Do not attempt to repair or modify the appliance yourself. All repairs should be performed by qualified service personnel.
- The appliance contains R290 refrigerant. Do not puncture the refrigerant circuit.
- Ensure the appliance is placed on a stable, level surface to prevent tipping and water spillage.

3. PRODUCT COMPONENTS AND CONTROLS

Familiarize yourself with the main parts and control panel of your Noaton DF 4114 dehumidifier.





Figure 3.1: Front view of the Noaton DF 4114 Dehumidifier, showing the digital display and control panel.



Figure 3.2: Detailed view of the control panel, highlighting the various function buttons and digital display.

Control Panel Functions:

- **Power Button:** Turns the unit On or Off.
- **MODE Button:** Cycles through operating modes (Dehumidification, Air Purification, Laundry Drying).
- **FAN / CHILD LOCK Button:** Adjusts fan speed (if applicable) or activates/deactivates child lock by pressing and holding.
- **HUM Button:** Sets the desired humidity level.
- **TIMER Button:** Sets the auto-on or auto-off timer.
- **SLEEP Button:** Activates Sleep mode for quiet operation and dimmed display.
- **Digital Display:** Shows current humidity, set humidity, or timer settings.



Figure 3.3: Continuous drainage outlet on the side of the unit, where the drain hose can be connected.



Figure 3.4: The removable water collection tank, located at the bottom front of the unit.



Figure 3.5: Rear view of the unit with the air filter cover opened, showing access to the filter.

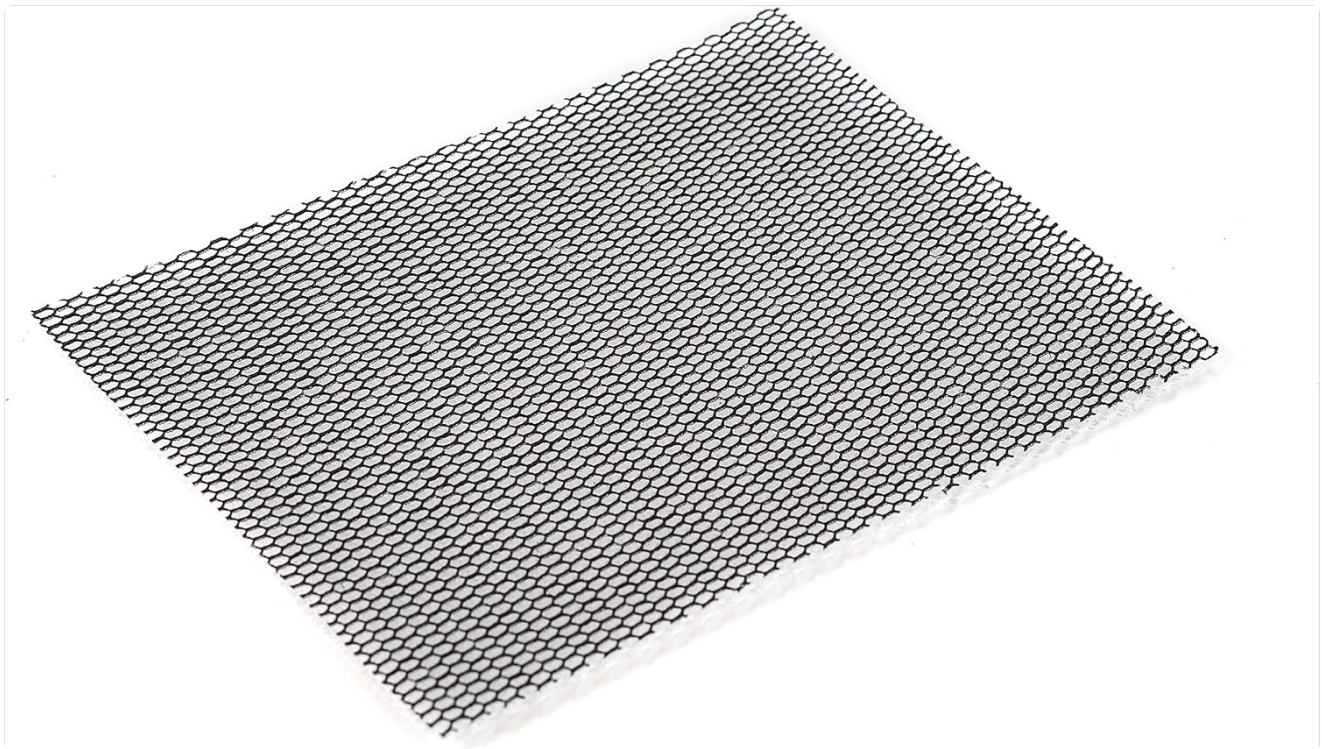


Figure 3.6: The activated carbon filter, which is part of the air purification system.

4. SETUP AND INSTALLATION

4.1 Unpacking

Carefully remove the dehumidifier from its packaging. Retain the packaging materials for future storage or transport. Inspect the unit for any signs of damage. If damaged, do not operate and contact customer support.

4.2 Placement

- Place the unit on a firm, level surface that can support its weight, even when the water tank is full.
- Ensure there is at least 20 cm (8 inches) of space around the air inlets and outlets for proper air circulation. Do not place the unit against a wall or furniture that would obstruct airflow.
- Avoid placing the unit in direct sunlight or near heat sources like radiators or ovens.
- For optimal dehumidification, close all doors and windows in the room where the unit is operating.

4.3 Power Connection

Plug the power cord into a grounded electrical outlet. The unit is designed to operate on standard household power (refer to specifications for voltage requirements).

4.4 Water Tank Installation

Ensure the water tank is correctly inserted into the unit. The unit will not operate if the tank is full or improperly installed.

4.5 Continuous Drainage (Optional)

For continuous operation without needing to empty the water tank, you can connect the included drain hose:

1. Locate the continuous drainage outlet on the side of the unit (refer to Figure 3.3).

2. Connect one end of the drain hose to this outlet.
3. Route the other end of the hose to a suitable drain, such as a floor drain or a large bucket. Ensure the hose is sloped downwards to allow gravity drainage and is free of kinks or blockages.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Press the **Power** button to turn the unit On or Off. When turned on, the digital display will show the current room humidity.

5.2 Mode Selection

Press the **MODE** button to cycle through the available operating modes:

- **Dehumidification Mode:** The primary function, removes moisture from the air. You can set a target humidity level in this mode.
- **Air Purification Mode:** The fan operates, and the activated carbon filter cleans the air without active dehumidification.
- **Laundry Drying Mode:** Operates at a higher fan speed and continuous dehumidification to help dry clothes faster.

5.3 Setting Humidity Level

In Dehumidification Mode, press the **HUM** button repeatedly to set your desired humidity level (e.g., 40%, 50%, 60%). The unit will operate until the room humidity reaches the set level, then cycle on and off to maintain it.

5.4 Timer Function

Press the **TIMER** button to set an auto-on or auto-off time. Each press increases the time by one hour, up to 24 hours. The timer indicator will light up when active.

5.5 Sleep Mode

Press the **SLEEP** button to activate Sleep Mode. In this mode, the display lights will dim, and the fan speed will automatically adjust to a lower, quieter setting, making it ideal for use in bedrooms.

5.6 Child Lock

To activate the Child Lock, press and hold the **FAN / CHILD LOCK** button for a few seconds until the child lock indicator appears. This will disable all other buttons to prevent accidental changes. To deactivate, press and hold the button again.

5.7 Full Water Tank Indicator

When the water tank is full, the unit will automatically stop operating, and an indicator light will illuminate. Empty the water tank (refer to Maintenance section) and reinsert it correctly for the unit to resume operation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier. Always unplug the unit before performing any maintenance.

6.1 Cleaning the Exterior

Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners, waxes, or solvents, as these may damage the surface.

6.2 Cleaning the Air Filter

The air filter should be cleaned every two weeks or more frequently depending on usage and air quality. A dirty filter can reduce efficiency and airflow.

1. Turn off and unplug the unit.
2. Open the air filter cover at the rear of the unit (refer to Figure 3.5).
3. Remove the activated carbon filter (Figure 3.6) and the pre-filter.
4. Clean the pre-filter by vacuuming or washing it with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinstallation.
5. The activated carbon filter cannot be washed. If it is heavily soiled or after prolonged use, it should be replaced.
6. Reinstall the dry pre-filter and the activated carbon filter, then close the cover.

6.3 Emptying and Cleaning the Water Tank

When the water tank is full, the unit will stop operating. Carefully remove the tank (Figure 3.4) and empty the collected water. Clean the tank periodically with mild detergent and water to prevent mold and mildew growth. Rinse thoroughly and dry before reinserting.

6.4 Long-Term Storage

If the unit will not be used for an extended period:

1. Unplug the unit and empty the water tank.
2. Clean the air filter and the water tank.
3. Allow the unit to run in fan-only mode for a few hours to dry out the internal components.
4. Store the unit upright in a cool, dry place, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Before contacting customer support, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power supply; Power cord not plugged in; Power outlet faulty.	Ensure unit is plugged into a working outlet. Check circuit breaker.
Unit is running but not dehumidifying.	Air filter clogged; Room temperature too low; Humidity setting too high; Doors/windows open.	Clean the air filter. Ensure room temperature is above 5°C. Lower the humidity setting. Close doors and windows.

Problem	Possible Cause	Solution
Water tank is full indicator is on, but tank is not full.	Water tank not properly inserted; Float switch stuck.	Reinsert the water tank correctly. Gently shake the tank to free the float switch.
Unit is noisy.	Unit not on a level surface; Air filter clogged; Internal components vibrating.	Place unit on a level surface. Clean the air filter. If noise persists, contact customer support.
No water collected.	Room humidity is already low; Continuous drainage hose is connected and draining.	Check the current humidity level. Verify if continuous drainage is active and working.

8. SPECIFICATIONS

Feature	Value
Brand	Noaton
Model Number	4114
Color	White
Dimensions (L x W x H)	20 x 28 x 50 cm
Weight	13 Kilograms
Water Tank Capacity	2 Liters
Power Consumption (Max)	180 Watts (at 30°C and 80% RH)
Dehumidification Capacity	Up to 13.5 Liters/day
Recommended Room Area	Up to 25 m² (63 m³)
Noise Level	36 dB
Refrigerant	R290 (Eco-friendly)
Special Features	Drainage, Timer, Child Lock, Sleep Mode
Included Components	Drain hose

9. WARRANTY AND SUPPORT

Your Noaton DF 4114 Dehumidifier and Air Purifier is covered by a standard manufacturer's warranty. Please refer to the warranty card included with your purchase for specific terms and conditions, including the warranty period and coverage details.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Noaton customer support through their official website or the retailer from whom you purchased the product. Please have your model number (DF 4114) and purchase information ready when contacting support.