

NOVAER



VIGO

Dehumidifier



INSTRUCTIONS

IMPORTANT

Please read all details of the user manual carefully before operating the dehumidifier. Pay especially attention to the safety instructions; for avoiding accidents or damages. Keep the user manual in a safe place for product warranty and future reference.

We continuously improve the user manual and you can always find an updated version on the company's website or on the website of our distribution partners.



The dehumidifier is filled with flammable gas R290



You must read the user manual before operating the dehumidifier.



This product should be repaired by experts only, read the service manual for further information.

REFRIGERANT R290

R290 is refrigerant grade propane, a natural, or "not in kind", refrigerant suitable for use in a range of refrigeration, dehumidifying and air conditioning applications. The use of R290 is increasing due to its low environmental impact and excellent thermodynamic performance.

R290 is extremely flammable and odorless. It is therefore recommended to strictly follow the safety instructions in this manual.

WARNING!

Do not use any means to accelerate the defrosting process or to clean the dehumidifier in other ways, other than those recommended by the manufacturer. If a repair is required, then you can contact your nearest authorized service partner of NOVAER. Repairs should only be executed by qualified professionals for avoiding accidents or damages.

The appliance shall be stored in a room without any continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater. Do not pierce or burn.

Be aware the refrigerants has no odour. The appliance must be installed, operated and stored in a room with a floor area larger than 4 m². Be aware that refrigerants do not have any odour.

Please read the additional WARNING remarks carefully!

- This appliance contains 50 g (see rating label back of unit) of R290 refrigerant gas.
- R290 is a refrigerant gas that complies with the European directives on the environment. **Do not** puncture any part of the refrigerant circuit!
- If the appliance is installed, operated or stored in a non-ventilated area, the room must be designed to prevent to the accumulation of refrigerant leaks resulting in a risk of fire or explosion due to ignition of the refrigerant caused by electric heaters, stoves, or other sources of ignition.
- The appliance must be stored in such a way as to prevent mechanical failure.
- Individuals who operate or work on the refrigerant circuit must have the appropriate certification issued by an accredited organization that ensures competence in handling refrigerants according to a specific evaluation recognized by associations in the industry.
- Repairs must be performed based on the recommendation from the manufacturing company. Maintenance and repairs that require the assistance of other qualified personnel must be performed under the supervision of an individual specified in the use of flammable refrigerants.
- **Never insert any objects into the dehumidifier! This is very dangerous as the fan rotates on high speed. High risk of injury!**
- **Never cover the air intake and the air output areas of the dehumidifier! The air must circulate freely around the unit without any possibility of blockage.**
- **The appliance must stand on a flat and stable surface so that water leakages can be avoided. Please ensure a minimum distance of 50 cm away from the wall or any other obstacles!**

- The unit is equipped with a compressor overload protection system, whereby the compressor only starts once 3 minutes have elapsed from its previous stoppage.
- Please wait at least 3 minutes before starting the unit. This helps to prevent the compressor from being damaged.
- To prevent water spills, empty the water tank before moving the appliance.
- Do not tilt the dehumidifier onto one side or turn it upside down, as the water which runs out could damage the appliance
- Close all open windows to maximize dehumidification efficiency.
- Do not immerse the power cord, plug or any other part of the appliance in water or other liquids.
- Keep the appliance well away from sources of heat which could cause plastic parts to become warped.
- Keep flammable gases and oils away from the appliance!
- Do not move the appliance while it is operating; doing so can cause leaks and malfunction.
- If the product seems to have problems, turn the appliance off and unplug the unit from the socket. Never try to fix the product on your own and contact either the manufacturer or the service partner for technical support.
- Sunlight can discolor the materials and cause overheating of the appliance hence it must be avoided.
- Do not use insecticides, aggressive chemical detergents, oils, other detergents or spray paints close to the dehumidifier as it can damage the finish and the color of the casing.
- For optimal operation efficiency it is recommended to close all windows.
- **THE MANUFACTURER SHALL NOT BE LIABLE IF THE SAFETY AND ACCIDENT PREVENTION RULES ARE NOT OBSERVED.**

OPERATING AND SAFETY INSTRUCTIONS

- The appliance is a highly efficient dehumidifier and designed for domestic use only.
- Only use the dehumidifier as shown in this user manual.

- Do not use the unit on a socket under repairs or not installed properly! Connection to the electricity grid must be according to the current installation standards.
- The appliance must be installed in accordance with national wiring regulations. The power source must match the required voltage and frequency (220-240 V/50 Hz)
- Rating of fuse: T, 250V AC, 2A. The electricity passing through the fuse is not allowed to be above 2A.
- Ensure that the electricity system is able to deliver the operating current required by the dehumidifier, in addition to that normally absorbed by other appliances (household appliances, lighting system, etc.). Please refer to the maximum power input data indicated on the dehumidifier data plate.
- Ensure that the automatic switches and system protection valves are able to withstand a start-up current of 5A (normally for less than 1 second).
- The system socket must always be fitted with an efficient earth connection.
- Make sure that the plug is inserted correctly and do not use multiple adapters and ensure the plug is clean.
- **Never touch the plug with wet hands!**
- Do not operate or stop the unit by inserting or pulling out the power plug, it may cause electric shock or fire due to heat generation. Instead you the ON/OFF button on the control panel.
- Do not use the unit:
 - near to source of fire.
 - an area where oil is likely to splash.
 - an area exposed to direct sunlight.
 - an area where water is likely to splash.
 - near a bath, a shower or a swimming pool.
- Before cleaning the dehumidifier, always turn off or disconnect the power supply.
- When moving the dehumidifier, always turn off and disconnect the power supply, and move it slowly.
- Turn the unit OFF on the display, then remove the plug from the socket. Only pull the plug but not the cord!
- In case the cord or the plug shows any sign of damage then stop the usage

immediately. It must be replaced by a qualified person or by the manufacturer only for avoiding safety risks.

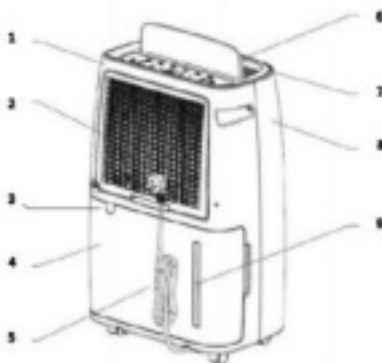
- Do not leave the dehumidifier unattended while it is operating. Turn it off and unplug it.

SPECIAL ATTENTION FOR CHILDREN

- Let your children know that they should never put their fingers or sticks in the air outlet. Be especially careful and warn your children about these dangers. Children should be supervised to ensure that they do not play with the appliance.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

DESCRIPTION OF THE APPLIANCE

- 1 BACK SHELL**
- 2 FILTER SCREEN/AIR INLET**
- 3 CONTINUOUS DRAINAGE**
- 4 WATER TANK**
- 5 POWER CORD**
- 6 AIR OUTLET**
- 7 AIR COVER**
- 8 FRONT SHELL**
- 9 WATER INDICATOR**



Min/max operating limits (internal temperature)

Dehumidification Function: works between 5 °C to 35 °C

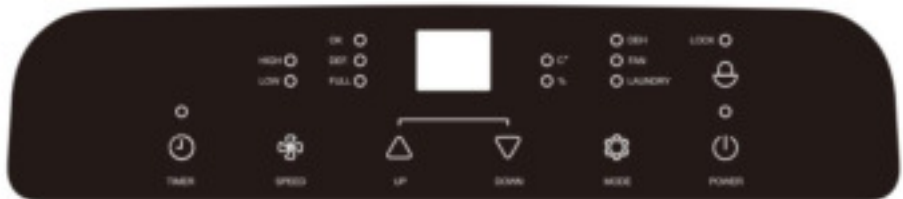
DEHUMIDIFIER SETUP

The following parts are included in this packaging. Please take them all out of the packaging.

- Dehumidifier

The product must be placed on a flat and stable surface, should not be covered by any object and must have a minimum distance of 50 cm from walls or any other obstacles. Please ensure the air can circulate freely.

USER PANEL & OPERATIONS



1. POWER BUTTON

With this button you can turn on or off the appliance. After turning the unit on, the current humidity level will be displayed with default of continuous mode "CO", and the compressor will then start immediately for dehumidifying with POWER indicator.

2. SPEED

This button regulates the ventilation speed which can be changed between high and low. Press this button to adjust to either higher or lower ventilation speed. When the dehumidifier is operating with comfortable mode (AU) and the room temperature is above 27 °C the unit's ventilation speed will be fixed at high-level.

3. UP, DOWN (HUM+, HUM-)

Set the required humidity level: "CO" (CONTINUOUS RUNNING) 30%, 35%, 40% ...85%, 90%, AU (COMFORT), CO (CONTINUOUS RUNNING) cycle. The default mode is CO.

Note: Press UP and DOWN at the same time to switch in display between humidity (%) and temperature (C).

4. TIMER

Timer setting:

- A. In the POWER-ON status, press the TIMER button to set the timer for the scheduled turning off time. The remaining time is being displayed. In the POWER-OFF status, press the TIMER button to set the timer for the scheduled turning on time. The humidity level is being displayed after 5 seconds.
- B. Regular time setting range: 01-24 hours, timer setting: 0 → 01 → 02... → 23 → 24 → 0 h cycle.

5. MODE

Press this button to change between the three different modes: drying clothes, fan, dehumidifying.

6. CHILD LOCK

Press this button for 5 seconds to activate the child lock function. After the child lock is activated, all the other buttons cannot be operated. Press it again to deactivate the child lock function.

HUMIDITY AUTOMATIC CONTROL FUNCTION

1. When "CO" (continuous) operation is set to dehumidifying, the dehumidifier will continue to operate regardless of the humidity level.
2. If the indoor humidity is higher than or equal to 3% or more of the set humidity, the compressor and fan will run. The indicator light of the compressor will be on.
3. If the humidity drops below 2% of the set humidity, the compressor turns off

and the dehumidification process stops. The indicator lamp (OK lamp) is on.

4. If the dehumidifier stops dehumidifying and the humidity in the room rises above or equal to 3% or more of the set humidity, if the compressor has passed the three-minute protection status, then the compressor will start dehumidifying again.
5. According to the above cycle operation, the indoor humidity can be maintained at the set humidity.

COMFORT (SHOWS AU) FUNCTION

1. The dehumidifier stops working at below 5°C room temperature;
2. 5°C < room temperature < 20°C, automatic selection set 60% humidity;
3. 20°C < room temperature < 27°C, automatically selects setting 55% humidity;
4. At room temperature > 27°C, automatic selection set 50% humidity.

DRYING FUNCTION (CLOTH LIGHT)

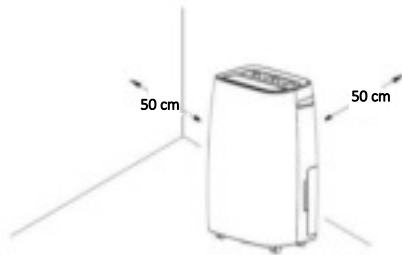
1. When this function is enabled, the dehumidifier will continue to operate (compressor, fan operation) regardless of the humidity level when the "CO" (continuous) operation operates.
2. The wind speed is locked at high speed and cannot be adjusted.

FAN

1. The compressor is not being used in this function.
2. The fan speed can be adjusted between high and low.
3. The humidification function is not available in the fan mode.

SPACE DISTANCE

When operating the dehumidifier, ensure the minimum distance of 50 cm between wall/any other obstacle and the dehumidifier.



FULL WATER PROTECTION

1. If the full water indicator is on then the water tank is full, the appliance stops working and a buzzer sound (max 15 rings) can be heard. Press any key, for turning off the alarm.
2. After emptying the water tank, the full tank light will turn off and the dehumidification process will continue. The compressor is protected by a 3 minutes pause cycle before turning back on.

DEFROST FUNCTION

1. When the appliance is in defrosting mode, the compressor turns off, the fan is defrosted by high winds, and the defrost indicator lights up (DEF).
2. When the room temperature is less than or equal to 16°C, the function of the controller is based on the room temperature. It operates according to the room temperature as follows:
 - Room temperature < 5°C, the appliance stops operating.
 - When 5°C < room temperature < 12°C, the compressor runs for 30 minutes and pauses for 10 minutes for the defrosting process;
 - When 12°C < room temperature < 16°C, the compressor is running for 45 minutes and pauses for 10 minutes for the defrosting process;
3. When the room temperature is higher than 16 °C, then the function of the controller is based on the evaporator temperature, as follows:
 - When the compressor is running for 30 minutes, the evaporator temperature is detected. If the evaporator temperature is < 1°C, the

compressor stops for 10 minutes for defrosting.

COMPRESSOR DELAY PROTECTION

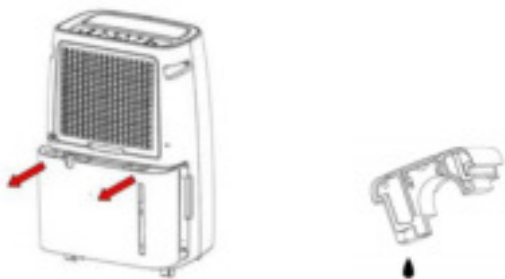
1. When the appliance starts for the first time then the compressor starts immediately its operation;
2. After the compressor is shut down, it can only restart after a 3-minute pause interval.

NOTE

The compressor produces heat when the dehumidifier is running, and the appliance emits warm air into the room. The room temperature will therefore tend to increase which is a normal process.

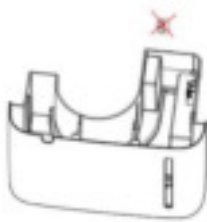
WATER TANK DRAINING

When the water tank is full, the water tank light indicator will turn on and the operation will stop automatically. A buzzer sound will turn on for 15 times to alert the user, that the water tank needs to be emptied.

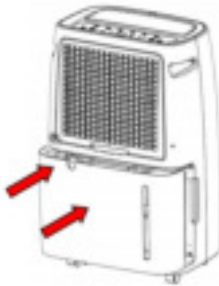


EMPTY THE WATER TANK

1. Gently press on the sides of the tank for pulling the tank out with two hands.
2. Empty the water tank.
3. **WARNING: DON'T REMOVE** the floater inside the water tank otherwise the water sensor can not detect that the tank is full.

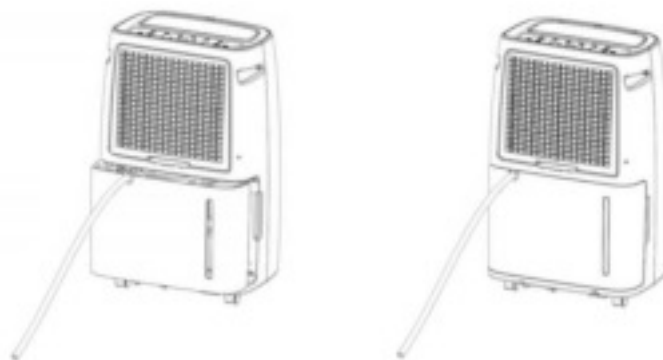


4. If the water tank is dirty, use cold or warm water for cleaning it. It is not recommended to use detergents, steel velvet, chemical treated dusting cloth, gasoline, benzene, thinner or other solvents, because it may damage the water tank and cause water leakage.
5. When reinstalling the water tank, press the tank tightly with both hands. If the water tank is not placed correctly, the full water sensor will still be activated, and the dehumidifier will not work.



CONTINUOUS DRAINAGE

The dehumidifier has continuous drainage holes, using a plastic tube (diameter 10mm) insert it into the partition drainage hole, then outgoing from the tank side. When the water tank should be installed in place, and the drainage pipe straightened out, the water can be drained from the machine through the drainage hole.



TROUBLE SHOOTING

ISSUES	POSSIBLE CAUSES	SUGGESTED SOLUTIONS
UNIT DOES NOT START WHEN PRESSING POWER BUTTON	Is the powerline correctly connected?	Connect the plug and the socket well.
	Is the water tank light on?	Drain the water tank and install it correctly.
	Room temperature within 5°C and 35°C degrees?	The appliance can only operate within this temperature. Please check the room temperature and try again.
DEHUMIDIFICATION FUNCTION DOES NOT START	Is the filter blocked?	Clean the filter according to the instruction manual.
	Is the air inlet our outlet blocked?	Check both and clean it if it shows that something could block it.
NO VENTILATION	Is the air filter correctly installed?	Clean the filter according to the instruction manual.
NOISY	The ground is not level or not flat enough. Machine might be tilted.	Place the unit on a flat, level ground if possible
	Is the filter blocked?	Clean the filter according to the instruction manual.
E1 CODE	Coil sensor short circuit or open circuit.	Please contact the manufacturer or the service partner in your area for technical support.

CARE & MAINTENANCE

Before any cleaning or maintenance: unplug the dehumidifier from the power socket.

- Do not use gasoline or other chemicals to clean the unit;
- Do not wash the unit directly;
- If the dehumidifier is damaged, please contact the dealer or repair shop.

1. Cleaning of Air Filter

If the air filter becomes clogged with dust/dirt, the air filter must be cleaned at least once every two weeks. If you do not clean the air filter it will lower the performance of the appliance or cause serious damage to the unit. Remove the air filter by opening the air inlet and take off the air filter.

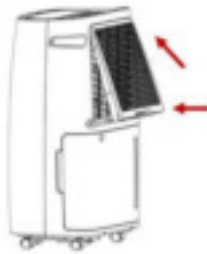


- Use a vacuum cleaner on low level for cleaning the dust/dirt or
- Use a neutral detergent (if needed) in lukewarm water and rinse it with clear water afterwards. Let the air filter dry before putting it back to the unit.



2. Filter Installation

Insert the filter into the machine and push the two hooks of the filter in place.



3. Cleaning of Casing

First clean the surface with soft damp cloth, and then wipe it with a dry cloth. Do not use aggressive detergents, hot water, petrol or any other chemicals, hard brushes for cleaning the surface as this will damage the material of the unit. Neutral detergents or lukewarm water can be used to remove dirt. Never pour water over the unit as this will cause damages or even short circuits.

3. Storage and Transport

Always clean the unit before storing it away. Empty the water tank before storage. Keep the appliance upward in a vertical while transport and storage, so that the compressor stays in the correct position. Never place any heavy objects on the dehumidifier. You can cover the unit (for storage and transportation only) to avoid pollution of the appliance. Please check the appliance regularly and if you notice any damage then contact the distributor directly.

REGULATION (EU) No. 517/2014 - F-GAS

Regulation 517/2014 does not apply to refrigerant R290 -propane. For safety reasons, do not discharge propane into the environment. The unit contains R290, a natural gas with global warming potential (GWP) = 3.

Kg. 0.05 = 0.00015 Ton CO2 equi

INFORMATION FOR THE CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EUROPEAN DIRECTIVE 2012/19/EU



This appliance may not be scrapped with domestic waste at the end of its life cycle. We call your attention to the crucial role played by the consumer in the re-use, recycling and other forms of recovery of such waste. The appliance must be scrapped by a sorted waste disposal centre or by returning it to the retailer (no charge is levied for this service), when you purchase a new equivalent appliance. Sorted disposal of electric and electronic equipment prevents the negative effects on the environment and human health resulting from improper scrapping, and also allows the materials from which it is made to be recovered and recycled, with significant savings in terms of energy and resources. The sorted disposal requirement is indicated by the crossed waste bin label affixed to the appliance.

CONTACT

If you have questions about the appliance you can always get in touch with NOVAER or the distributor in your country. The contact details of NOVAER can be seen below. For contacting the distributor, you can visit their website for further details.

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