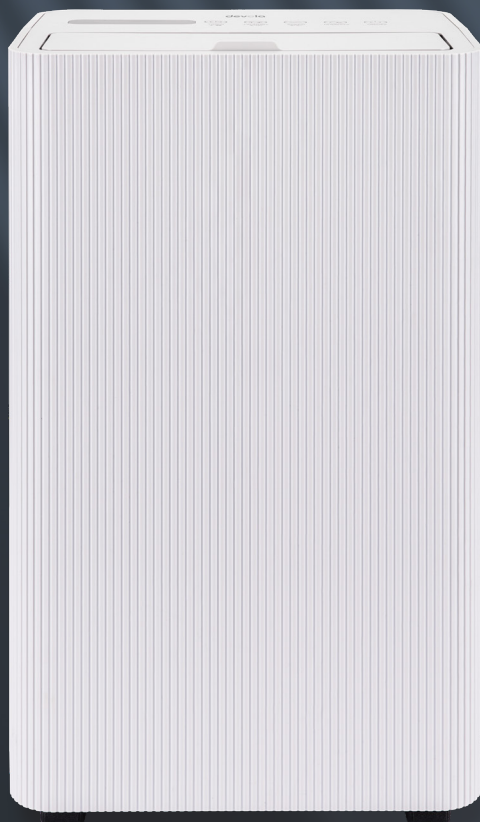


devola

Comfortable living everyday



12L / 20L Dehumidifier

DVH12LCF / DVH20LCF

Instruction Manual

devola.co.uk

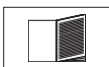
Thank you for choosing Devola

Congratulations on the purchase of your new Devola product. Please read the following instructions carefully and follow them to prevent possible damages. We assume no liability for damage caused by disregard of the instructions and improper use.

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Safety information



Please read the USER MANUAL carefully before operation

Product information

This dehumidifier is designed to effectively extract excess moisture from the air. By lowering the relative humidity, it helps safeguard buildings and their contents from the detrimental effects of high humidity levels, preventing potential damage to both structure and belongings.

For its cooling process, the dehumidifier utilises the environmentally friendly refrigerant R290. This natural refrigerant has zero ozone depletion potential (ODP) and an exceptionally low global warming potential (GWP), making it a sustainable choice. Furthermore, R290 is globally available and boasts impressive energy efficiency, making it ideally suited for this application. However, due to its high flammability, special safety precautions must be observed when handling this refrigerant.

Safety instructions

- **Use this dehumidifier only as described in this manual.** Any other use may result in fire, electrical shock, or injury. This will also invalidate the warranty.
- **Children aged 8 years and older** and individuals with reduced physical, sensory, or mental capabilities, or those lacking experience and knowledge, may use the appliance only if they have received proper supervision or instruction on how to use it safely, and understand the associated hazards. **Children should not play with the appliance.** Cleaning and maintenance must not be conducted by children without adult supervision.
- **Always securely plug the dehumidifier directly into a wall socket.** Avoid using an extension cord unless absolutely necessary.
- **Always disconnect the power supply** when the dehumidifier is not in use.
- **Do not operate the dehumidifier if the power cord is damaged**, as this may present a risk of fire or electrical hazards. Contact the manufacturer immediately for assistance.
- **Ensure the dehumidifier is operated upright** on a stable surface to prevent injury. Upon first use, allow the dehumidifier to remain upright for 6 hours to allow the refrigerant gas to settle.
- **Store the dehumidifier in a well-ventilated area** where the room size corresponds to the recommended space for safe operation.
- **Do not operate the dehumidifier in standing water** or while handling it with wet hands, as this could result in electrical shock or injury.
- **Do not use the dehumidifier outdoors or near water sources** such as baths, hot tubs, or swimming pools. If the dehumidifier becomes wet, ensure it is thoroughly dried before resuming use.
- **Never cover the dehumidifier during operation.** Ensure there is sufficient space around the dehumidifier to allow for proper airflow. Failure to maintain adequate space can cause the dehumidifier to overheat, creating a fire or electrical hazard.
- **Do not attempt to repair or modify the dehumidifier.** Unauthorized repairs may result in injury and will void the warranty.

- **Only use recommended methods for defrosting and cleaning.** Do not attempt to accelerate these processes using unapproved methods.
- **Store the appliance in a room free from continuous sources of heat,** such as open flames, operating gas appliances, or electric heaters.
- **This dehumidifier is designed for residential and light office use only.** It is not suitable for commercial, industrial, or construction environments such as building sites.
- **Avoid continuous use.** Although the dehumidifier includes a continuous drainage option for convenience, it is not designed for continuous or 24/7 operation. The compressor must cycle off regularly to avoid overheating and premature wear. Extended or uninterrupted use can reduce performance and lifespan.
- **Ensure the power plug is fully inserted into the socket** and that the power cord is not damaged. Do not use the dehumidifier if the cord is frayed or showing signs of wear.
- **This dehumidifier is designed exclusively for use with R-290 (Propane) gas** as the specified refrigerant.
- **The refrigerant loop is sealed.** Only a qualified technician should attempt any servicing or repairs, as recommended by the equipment manufacturer.
- **Do not discharge refrigerant into the atmosphere.** R-290 (Propane) is flammable and heavier than air, which can increase the risk of combustion in confined spaces.
- **If Propane gas is detected or even suspected, do not attempt to identify the source yourself.** Immediately contact the equipment manufacturer for guidance.
- **Note that the R-290 gas used in this dehumidifier is odourless.** The absence of a smell does not indicate that gas is present, so always remain cautious.
- **In the event of a refrigerant leak, immediately evacuate all individuals from the area.** Ventilate the space by opening windows and doors, and contact your local fire department, informing them of a Propane leak.
- **Do not allow anyone to re-enter the area until a qualified service technician has confirmed that it is safe to do so.** It is crucial that safety checks are made before returning to the area.
- **Under no circumstances should open flames, cigarettes, or other potential ignition sources** be used inside or near the vicinity of the dehumidifier. These can ignite Propane gas, creating a serious fire hazard.
- **If the dehumidifier is damaged, do not use it.** Immediately contact the manufacturer for further instructions and support.

Warning

Failure to follow these instructions could lead to severe consequences, including explosion, property damage, injury, or even death.

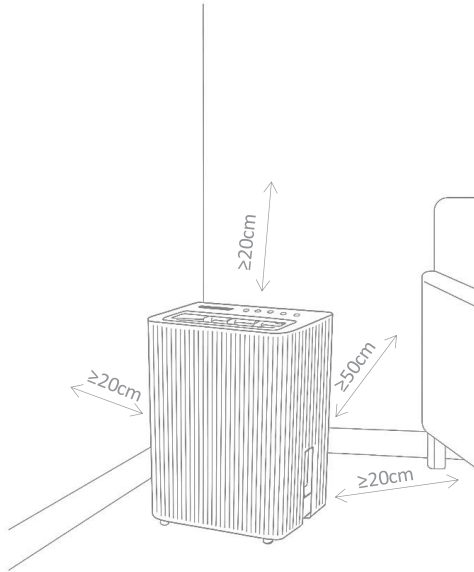
Any individual working on or accessing the refrigerant circuit must possess a valid certification from an industry-accredited authority. This certification ensures that the person is qualified to handle refrigerants safely, in accordance with recognized industry standards, and as recommended by the manufacturer.

Service and maintenance should only be performed as per the manufacturer's recommendations. Unauthorized servicing or modifications may pose serious risks and will invalidate any warranties.



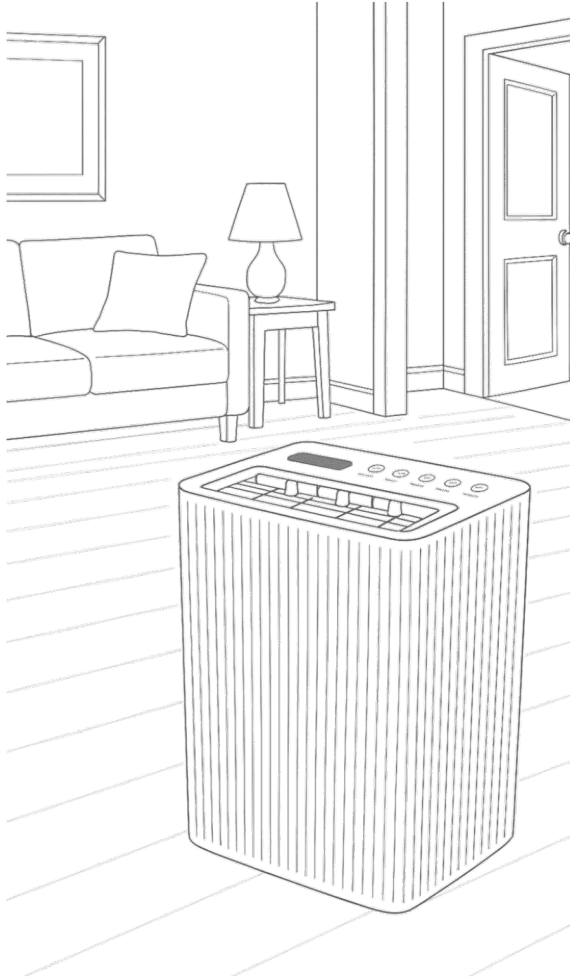
This dehumidifier uses a flammable refrigerant. If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.

Before using your dehumidifier

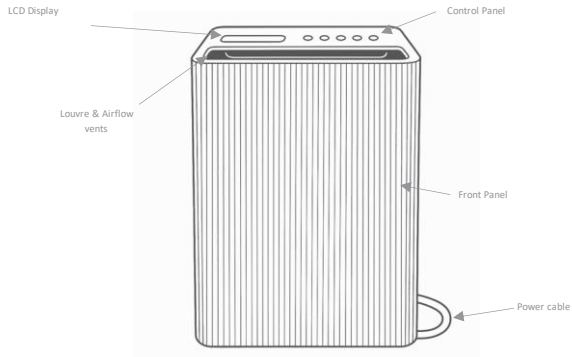


- Place the dehumidifier in an upright position on a stable, level surface.
- Ensure that the back of the dehumidifier is positioned at least 50 cm away from any wall or furniture to allow proper airflow.
- Ensure the power supply matches the voltage specified on the nameplate. The power supply must be securely connected.
- Make sure the water tank is correctly fitted. If the tank is full or not properly in place, the "Tank Full" indicator will illuminate, and the dehumidifier will stop operating.
- Before switching on your dehumidifier for the first time, **you must check and remove any packaging that may be around the filter.**
 1. Open the filter compartment as indicated in the setup section of this manual.
 2. Carefully take out the filter.
 3. Remove all protective plastic or wrapping material.
 4. Reinsert the unwrapped filter into the designated slot, ensuring it is securely in place.
- Failure to remove any packaging may prevent proper airflow and could damage the unit.

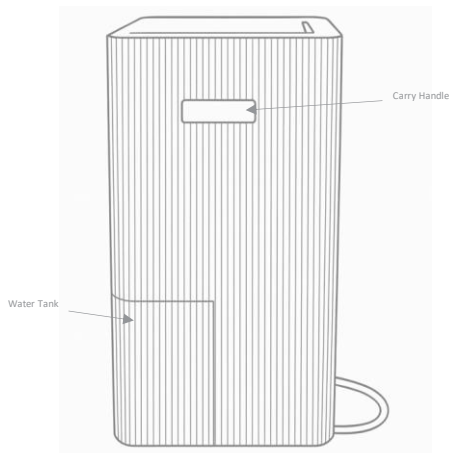
- To maximise efficiency and save energy, ensure all doors and windows are closed before turning on the dehumidifier.
- Ensure the dehumidifier is placed on a stable, flat surface. An unstable floor may cause the dehumidifier to wobble or topple, leading to excessive vibration, noise, and potential water spillage.

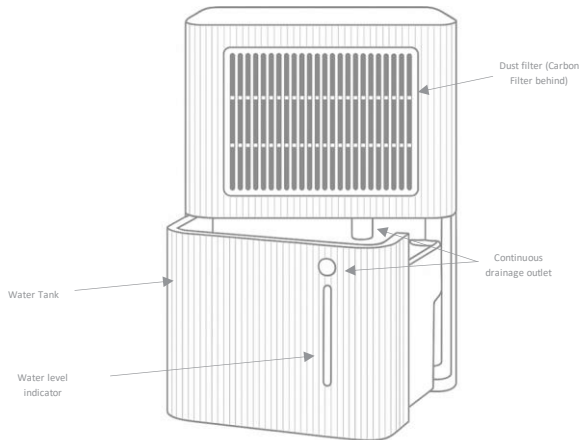


Front view



Rear view

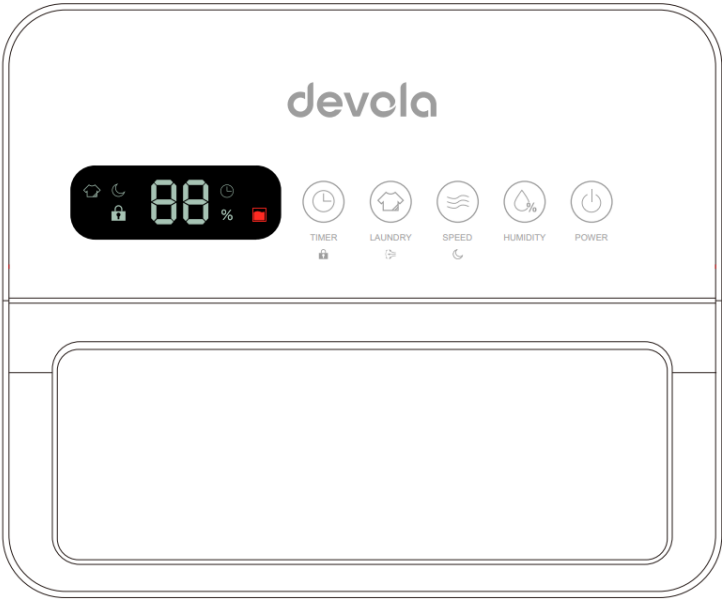




Continuous drainage

By default, water is collected in the tank. To use continuous drainage:

1. Remove the drainage outlet plug.
2. Attach a drainage pipe with a 15mm inner diameter to the water outlet.
3. To ensure proper drainage:
 - o The pipe must run downhill to allow gravity flow.
 - o Make sure the pipe is not kinked, bent, or blocked at any point.



Icon	Name	Function
	Power button	Switch power on/off.
	Humidity button	Press the Humidity button multiple times to toggle between different target humidity levels and continuous operation
	Fan Speed button	Press the Fan Speed button multiple times to scroll through low and high fan speeds
	Night Mode	Press and hold the Fan Speed button for 3 seconds to activate or deactivate the Night Mode
	Laundry Mode Button	Press Laundry Mode Button to activate Laundry Mode
	Louvre Function	Press and hold the Laundry Mode button for 3 seconds to activate or deactivate the louvre function
	Timer button	Press the Timer button multiple times to choose how long the dehumidifier will run before turning off automatically.
	Child lock	Press and hold the Timer button for 3 seconds to activate or deactivate the child lock function.



Icon	Function
	Laundry Mode Indicator
	Night Mode Indicator
	Child Lock Indicator
	Timer Indicator
	Humidity / Target Humidity Reading
	Water Tank Full Indicator

Operating instructions

Please read and follow the instructions below carefully to ensure safe and effective use of the dehumidifier.

Power

Press the **Power**  button once. The dehumidifier will operate using default settings. Press the **Power** button again to shut the dehumidifier down.

Humidity setting

The current humidity will be appear on the LCD display once powered on.

To adjust the target humidity, press the **Humidity**  button repeatedly to select your desired humidity level:

- The **target humidity** can be set at: 40%, 45%, 50%, 55%, 60%, 65%, 70%, CO
- **CO (Continuous Operation)**: The dehumidifier runs continuously, regardless of the current ambient relative humidity.
- The dehumidifier will automatically reduce to low speed once the target humidity is reached, allowing it to continuously monitor the ambient humidity. If the humidity level rises again, the dehumidifier will resume normal operation.

Fan speed and night mode

Fan Speed Adjustment

You can adjust the fan speed by pressing the **Fan Speed**  button. Press the button **once** for **High Fan Speed** and **twice** for **Low Fan Speed**.

Night Mode

Your dehumidifier operates in low fan speed and dims the lights on the LCD display in Night mode. Enjoy a peaceful, undisturbed night's sleep with no bright displays — perfect for bedrooms or low-light environments.

Press and hold the **Fan Speed**  button for 3 seconds to active **Night Mode**. The **Night Mode Indicator** will appear and the lights on the LCD display will reduce in brightness. In Night Mode, audible alerts will be disabled.

- The **Target humidity** and **Timer** settings can still be adjusted while Night Mode is active.
- The **Child Lock** and **Louvre** settings can still be adjusted while Night Mode is active.
- **Laundry Mode** and the **Fan Speed** button are disabled during Night Mode operation.

Press and hold the **Fan Speed**  button for 3 seconds to deactivate Night Mode and return to manual dehumidifying.

Laundry mode and louvre control

Laundry Mode

You can activate Laundry Mode by pressing the **Laundry Mode**  **Button**. The dehumidifier operates continuously at **high fan speed** for 2 hours. The **Laundry Mode indicator** will appear on the display when active.

- After 2 hours, if the ambient humidity is below 30%, the compressor will stop and the fan will continue running for an additional 2 hours. If the ambient humidity is below 30%, the dehumidifier will then turn off.
- After 2 hours, if the ambient humidity remains above 31%, the compressor and fan will continue operating until the automatic 12-hour shut-off is reached or the **power button** is pressed.

Place the dehumidifier in a small, enclosed room near your clothes rack when using **Laundry Mode Button** for clothes drying and close all doors and windows to maximise efficiency.

You can set the dehumidifier to turn off after your preferred amount of time using the **timer button**.

- The **Child Lock** and **Louvre** settings can still be adjusted while Laundry Mode is active.
- The **Fan Speed** and **Humidity** buttons are disabled during Laundry Mode.

Press the **Laundry Mode**  **button** to deactivate **Laundry Mode** and return to manual dehumidifying.

Note: If Night Mode is turned on while the unit is in Laundry Mode, Laundry Mode will pause and Night Mode will activate. Once Night Mode is turned off, the dehumidifier will automatically return to Laundry Mode.

Louvre Control

Press and hold the **Laundry Mode**  **button** for 3 seconds to activate or deactivate the oscillating airflow feature.

The dehumidifier sounds a single beep when the louvre is activated and two beeps when it is deactivated. The louvre will stop at the current position when deactivated.

Timer and child lock

Timer

Press the **Timer**  **button** to set a countdown time for the dehumidifier to automatically turn off. You can increase the time in **increments of 1 hour** for a **maximum of 8 hours** by repeatedly pressing the **Timer button** until you reach the desired time.

After selecting the desired time, **wait for 3 seconds** without pressing any buttons. The **timer indicator** will appear on the display to confirm activation. The dehumidifier will continue operating until the timer expires and it automatically shuts off. This function only sets an auto-off timer.

- Set the timer to 0h to cancel the auto time off.

Note: In the event of a power failure, the timer setting will not be retained after power is restored.

Child Lock

Press and hold the **Timer**  **button** for 3 seconds to activate or deactivate the **Child Lock**. The **Child Lock indicator** will appear when active.

 When Child Lock is active, all control buttons are disabled.

 To disable Child Lock, press and hold the button again.

Note: In the event of a power failure, the child lock function will not be retained after power is restored.

Water full indicator

When the water tank is full or not correctly placed, the dehumidifier will:

- Emits 10 beeping sounds
- Illuminate the **Water Full indicator** on the display
- Automatically stop operating

Ensure the water tank is emptied and reinstalled securely. Once in place, the dehumidifier will automatically resume.

Please note: The compressor may start after a brief 5-minute delay—this is a normal part of the protection process.

Fan switch function

When the dehumidifier is operating in a high-temperature environment with the fan speed set to Low, it will automatically switch to highest fan speed to prevent excessive load on the compressor. Once the ambient temperature decreases, the dehumidifier will return to the original fan speed. The display will not change during this process.

Automatic defrosting

When operating in very low ambient temperatures, frost may build up inside the unit. To prevent this, the dehumidifier is equipped with an automatic defrost function. The display will not change during this process.

You may hear **gurgling or flowing sounds** from the refrigerant during this process — this is completely normal. Auto Defrost Mode ensures **safe operation and consistent performance**, especially in colder environments.

Note: Do not turn off the unit while Auto Defrost Mode is active.

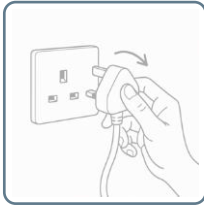
Automatic restart after power failure

In the event of a power interruption, the dehumidifier **will automatically restart and resume operation** using the last settings.

To protect the compressor and extend its lifespan, the dehumidifier features a 5-minute delay between shut-off and restart.

When used regularly, the washable dust filter may become clogged with dust and particles. The dust filter should be cleaned at least every two weeks. Failure to maintain your dehumidifier may invalidate the warranty. Follow these steps:

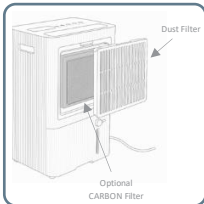
Cleaning



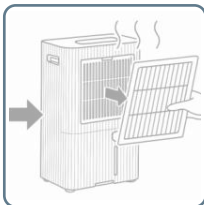
1. Switch the device off and remove the plug from the socket before cleaning.



2. Clean the housing with soft, dry cloth. If the device is extremely dirty, use a mild cleaning agent. Wipe the dehumidifier with a slightly damp cloth. Never spray the device with water.



3. Remove the washable dust filter, clean the dust filter with a vacuum cleaner or soapy water no hotter than 40°C. The optional carbon filter should NOT be cleaned. Please read the **Replacing the (optional) carbon filter** page for more information.



4. Rinse and dry the dust filter completely before installing back into the device.

Replacing the (optional) carbon filter

Your dehumidifier comes with one CARBON filter pre-installed. For general use, the CARBON filter typically lasts 3 to 6 months.

Carbon filters are not washable or reusable. Cleaning is not recommended, as it may damage the CARBON filter and reduce its effectiveness.

Replacement carbon filters are available for purchase at www.Devola.co.uk.

Important: Always unplug the dehumidifier before performing any maintenance.

- The carbon filter is located at the back of the dehumidifier, behind the dust filter.
- Gently remove the dust cover from the dehumidifier.
- Remove the carbon filter and dispose. Please note that carbon filters are not recyclable.
- Replace it with a compatible carbon filter for your specific model.
- Carefully slide the new carbon filter back into its original position.
- Make sure it's fitted securely and aligned properly.
- Replace the dust cover.
- Plug the dehumidifier back in.
- Turn the dehumidifier on and resume normal operation.
- Note: Using a carbon filter can improve air quality and offer health benefits, though it may slightly reduce the dehumidifiers overall airflow efficiency.

Head over to our YouTube channel to watch the step-by-step guide on how to change the carbon filter.



Storage

Take the following steps if the dehumidifier is not expected to be used for a long period of time:

1. Remove the plug from the socket and empty the tank, make sure the tank and the dehumidifier are completely dry (this may take a couple of days to fully dry).
2. Clean the washable dust filter. (do not clean the carbon filter)
3. Check the dehumidifier for perfect condition to ensure safe use after prolonged storage.
4. Pack the dehumidifier with the suitable packaging.
5. Store the dehumidifier in a dust-free location and out of direct sunlight, preferably covered with a sheet of plastic.

Important notice

Any servicing, repairs or maintenance must be carried out by a qualified or recommended engineer/servicer. DO NOT attempt to service yourself as this can cause various risks.

If you need any additional information, help or support please contact the Devola support team.

Releasing refrigerant into atmosphere is strictly forbidden!

Check the following before contacting technical support.

Problem	Possible cause	Solution
Dehumidifier does not turn on	Power plug is not fully inserted into the socket.	Ensure the plug is securely connected to the socket.
	Water bucket is full or not positioned correctly.	Empty and reposition the water bucket.
	The target humidity level has already been reached.	Adjust the humidity setting if needed.
Excessive noise	The dehumidifier is placed on an uneven or unstable surface.	Move the dehumidifier to a flat, stable surface.
Poor dehumidifying performance	Air filter is dirty.	Clean or replace the air filter as needed.
	The dehumidifier hasn't been running long enough.	Let the dehumidifier run longer to remove moisture.
	Air inlet or outlet is blocked.	Clear any obstructions from the air vents.
	Room humidity is already below the set level.	Lower the humidity setting if needed.
	Doors or windows are open.	Close all doors and windows.
	Room temperature is too low (below 5°C / 41°F).	Use in a room with a temperature above 5°C.
Dehumidifier is blowing out warm air	The dried air is passed over heating coils before it is blown into the room as part of the dehumidifying process.	This is normal, a dehumidifier is not an air cooler.
The display is not showing the humidity set point	The display shows the room relative humidity not the set point.	Press the up or down button once to see the target relative humidity.
Water on floor	There is residual water in the dehumidifier.	Be careful when moving the tank.

What is a dehumidifier used for?

It helps reduce excess moisture in the air, preventing issues like condensation, mould, mildew, and damp smells.

How does a dehumidifier work?

It draws in humid air, removes moisture by cooling it, and releases dry air back into the room. The collected water is stored in a tank or drained via a hose.

Where should I use a dehumidifier?

Anywhere with high humidity – common areas include bedrooms, basements, kitchens, bathrooms, laundry rooms, or conservatories.

How often do I need to empty the tank?

This varies depending on humidity levels and the tank size. In damp conditions, it might need emptying daily. Some models offer continuous drainage.

Can I leave my dehumidifier on all day?

Yes – many are designed for continuous operation and have auto shut-off features when the tank is full or the desired humidity level is reached. Note, the compressor must cycle off regularly to avoid overheating and premature wear. Extended or uninterrupted use can reduce performance and lifespan.

Do dehumidifiers need maintenance?

Yes – regular maintenance includes emptying the tank, cleaning the dust filter, and wiping down the dehumidifier to keep it running efficiently.

Extend your Devola warranty for free

Register your product within 30 days of purchase

When you register your Devola product on our website within 30 days of purchase, we'll extend your standard manufacturer's warranty by an additional 12 months from the point of purchase – completely free of charge.

Register on the Devola website using the QR code below



If your product develops a fault within the warranty period, we'll either:

- Repair it at no extra cost
- Replace it with a new or refurbished item of similar condition
- Cover any necessary postage costs

Please note:

- The warranty does not cover issues caused by general wear and tear, improper use, or damage not resulting from defects in materials or workmanship.
- Tampering with or opening the product will void your warranty.

If something goes wrong, get in touch with our **Customer Care Team** first. They'll guide you through the warranty process and ensure things are resolved smoothly



UK
CA



Recycle unwanted materials instead of disposing of them.
All appliances and packaging should be sorted and tendered
at a regional recycling centre and be processed in an
environmentally friendly manner.

Product registration.

Register your warranty online
within 30 days of purchase.

www.devola.co.uk/warranty

Technical details.



Support.

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