

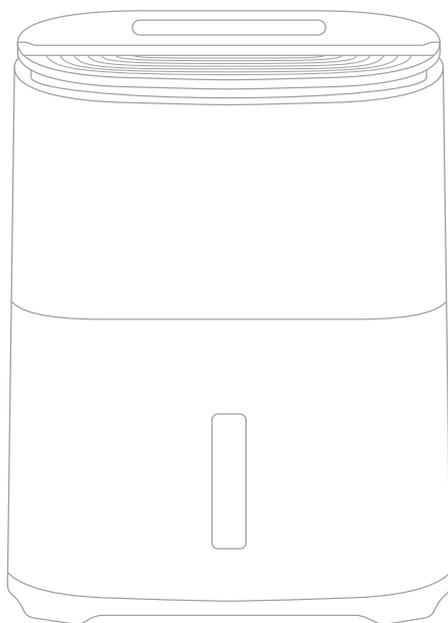


**MeacoDry**

# **Arete<sup>®</sup> One<sup>6L</sup>**

Dehumidifier and Air Purifier

**Instruction Manual**



# Thank you for choosing Meaco

Thank you for choosing Meaco, we really appreciate it. We built the Arete® One range of combined dehumidifiers and air purifiers after years of research and customer feedback to deliver a superior experience at the touch of a button. We took the time to design a dehumidifier that blends into your home without compromising on its performance. You'll soon wonder how you managed without it.

This manual contains important information on the use and care of your dehumidifier. Please take some time to read this manual to take full advantage of your dehumidifiers many benefits and features.

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# Safety information

## Important safety instructions



**Keep children away:** Do not allow children to play with or around this unit, as it could result in injury. Be sure the dehumidifier is inaccessible to children when not attended. This dehumidifier 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 dehumidifier by a person responsible for their safety.

**Keep unit grounded:** Always operate the dehumidifier with a grounding plug and a grounded electrical outlet. A grounding plug is an essential safety feature that helps reduce the risk of shock or fire.

**Protect power cord from damage:** Never operate a dehumidifier with a damaged power cord, as this may lead to electrical or fire hazards. If the power supply cord is damaged, it must be replaced by a cord of the same type and amperage rating.

**Extension cords:** Extension cords must be grounded and able to deliver the appropriate voltages to the dehumidifier.

**Handle with care:** Do not drop, throw or crash the dehumidifier. Rough treatment can damage the components or wiring and create a hazardous condition.

**Run on a stable surface:** Always operate the dehumidifier on a stable, level surface, for example the floor or a strong counter, so that the dehumidifier cannot fall and cause injury.

**Keep electrical components dry:** Never allow water inside the dehumidifier's electrical components. If these areas become wet for any reason, thoroughly dry them before using the dehumidifier. If in doubt, do not use the dehumidifier and consult a qualified electrician or a Meaco approved engineer.

**Domestic use only:** This dehumidifier is designed for domestic use only and should not be used in commercial environments.

The operator must make the operating instruction available for the user and make sure that the user understands the manual.



The MeacoDry Arete® One Dehumidifier and Air Purifier uses the new R290 refrigerant gas to comply with European Environmental Directives. R290 is kinder to the environment and is part of attempts to reduce global warming as it has a low greenhouse effect (GWP).

When using the MeacoDry Arete® One Dehumidifier and Air Purifier you must take into account the following:

- This dehumidifier uses about 25 grams of R290 refrigerant, which is flammable. Therefore, it is part of a sealed system and must only be serviced by a trained Meaco engineer.
- Do not use or store this dehumidifier in a room smaller than 4m<sup>2</sup> to prevent a fire or explosion hazard if there is a leak of refrigerant and the gas comes into contact with an ignition source.
- Do not use it in a room with any continuous sources of ignition, for example open flames, gas fires or hobs, cigarettes or any other sources of ignition.
- If the dehumidifier is installed, operated or stored in a non-ventilated area, then the room must be designed to prevent the accumulation of refrigerant leaks resulting in a risk of fire or explosion due to ignition of the refrigerant caused by electric heaters, cookers, or other sources of ignition.
- R290 refrigerant gas is odourless.
- Do not puncture either during the dehumidifiers working life or after. At the end of life dispose of following local recycling regulations.
- If there is any damage to the dehumidifier then do not use it and contact Meaco or your retailer.
- As with all dehumidifiers, always keep upright and leave the dehumidifier standing upright for six hours before using it upon receipt.



Failure to comply with these instructions could result in fire, damage to property, serious injury or potentially death.

Individuals who operate or work on the refrigerant circuit must have the appropriate certification issued by a national accredited organisation that ensures competence in handling flammable refrigerants according to a specific evaluation recognised by national associations in the industry and compliant with the latest R290 guidance.

Servicing should only be carried out by a Meaco approved engineer using original Meaco parts to prevent damage to the dehumidifier and potential injury to the engineer.

## Instructions about the WEEE



### **Correct disposal of this product (Waste Electrical & Electronic Equipment)**

This marking indicates that this product or accessories should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly. Users should contact either the retailer where they purchased this product, or their local government, for details of where and how they can take these items for environmentally safe recycling.

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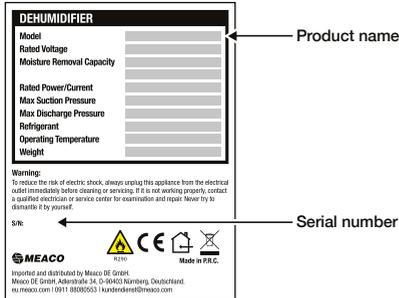
## Declaration of conformity

Hereby, Meaco declares that this radio equipment is in compliance with Directive 2014/53/EU and with the relevant statutory requirements. The full text of the EU declaration of conformity and the UK declaration of conformity is available at the following internet address:  
[www.meaco.com/pages/compliance-data](http://www.meaco.com/pages/compliance-data).

# Register your Meaco warranty

Your Meaco dehumidifier comes with a free 5-year warranty, simply register your details online and you'll be covered for parts and labour for 5 years from the date of purchase, subject to the terms and condition of the warranty. As a thank you, you will be entered into our monthly free prize draw to help support the David Shepherd Wildlife Foundation.

## Where to find your dehumidifiers serial number



The serial number can be found on the rating label on the back of your dehumidifier.

Remember to keep a copy of your purchase receipt safe, you will need to show this to our Customer Service team should you need to make a warranty claim.

## Ways to register your Meaco warranty



### Register online

Visit our website to register your free 5-year warranty online:  
<https://eu.meaco.com/pages/registrieren-garantie>

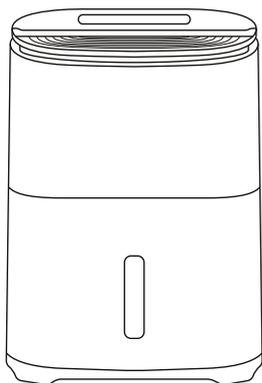
### Register by phone

Call our Customer Service team to register your free 5-year warranty over the phone: 0911 88080553  
Opening times: Monday - Friday 9am - 5:30pm

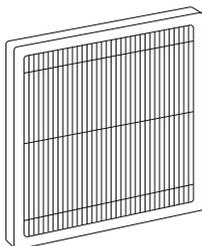
# What's included

Carefully unpack the dehumidifier. Keep all packaging materials away from children. We recommend flat packing and keeping hold of the box should you need it in the future.

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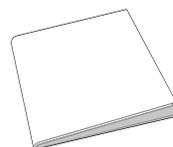
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3

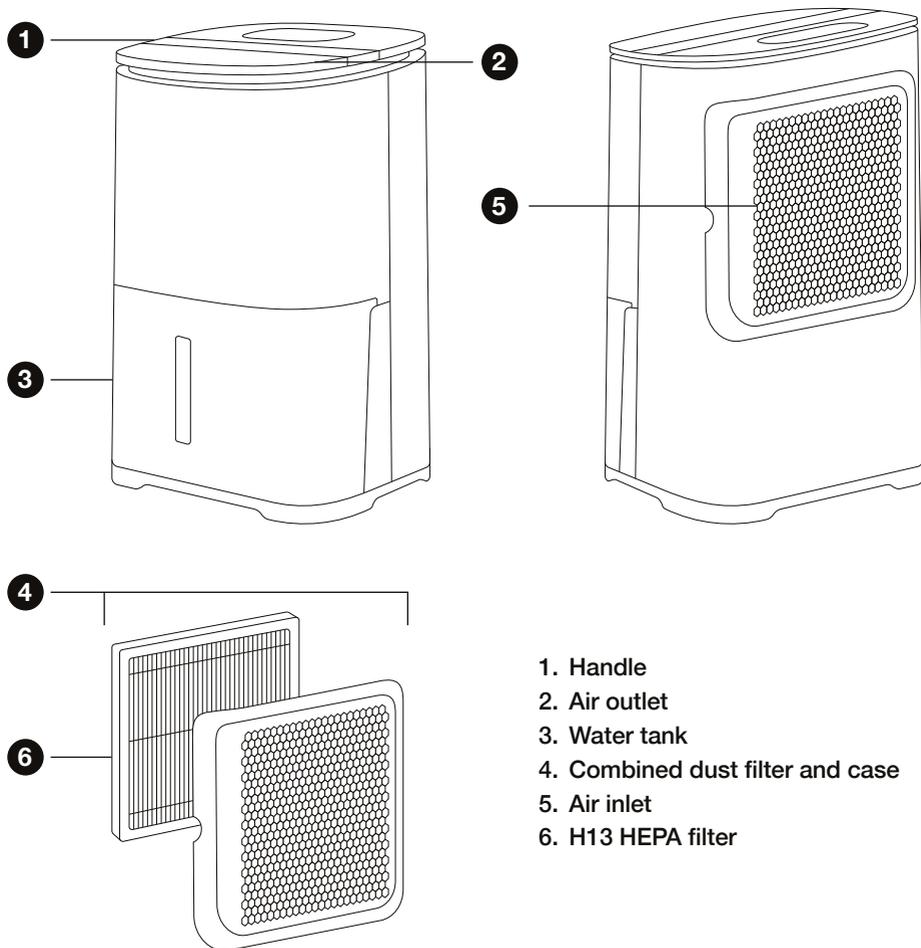


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1. MeacoDry Arete® One Dehumidifier and Air Purifier
2. Free H13 HEPA Filter
3. Hose adaptor (in the lid of the water tank)
4. Instruction manual

# Product identification



**Important!** Remove the bag around the H13 HEPA filter before use.

*To lift the handle use two hands: one on the left-hand side and one on the right-hand side, then lift.*

*The hose adaptor (found inside the lid of the water tank) can be connected to a standard garden hose for continuous drainage.*

# First steps

When you first receive your dehumidifier, it is important you follow the steps below carefully:

1. Check your dehumidifier and its box and packaging for any transport damage. In case of damage, inform the sender immediately.
  2. Leave the dehumidifier to stand for six hours before turning it on. This will allow any refrigerant that may have moved during transit to settle.
  3. Choose where you would like to locate your dehumidifier. This dehumidifier has been carefully designed allowing you to place the dehumidifier as close to a wall as you wish.
  4. Remove the plastic bag around the HEPA filter and insert it in the back of your dehumidifier. This will enable air purification as well as dehumidification. For further instructions, see page 16.
  5. Plug the dehumidifier into the mains and turn it on using the Power Button. When the dehumidifier is first switched on a number will appear on the display. Allow the dehumidifier to gauge an accurate reading of the humidity level in the environment it is situated in for the first 10 minutes.
  6. Use page 9 to determine the correct setting for your dehumidifier usage.
- 

## Dehumidifying your house

Your dehumidifier can be used to maintain an optimum humidity level in your room. Moisture in the air from the entire room will migrate towards the dehumidifier, reducing the humidity level. When doing so, we would recommend the following:

- Keep your dehumidifier running 24/7.
- Keep windows closed.
- Use smart humidity mode to set your dehumidifier to reach a target of 55%rh.
- Insert the HEPA filter to enable air purification.

## Using your dehumidifier to dry your laundry

Dehumidifiers are very efficient at drying your laundry quickly and cheaply. When doing so, we would recommend the following:

- Situate your dehumidifier in a room with your laundry.
  - Place the dehumidifier close to your laundry but not too close that water could drip onto the dehumidifier.
  - Keep all doors and windows closed.
  - Use Smart Laundry mode to set your dehumidifier to run continuously for 6 hours.
  - Use an air circulator to circulate the dry air and reduce drying time.
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## Display readings

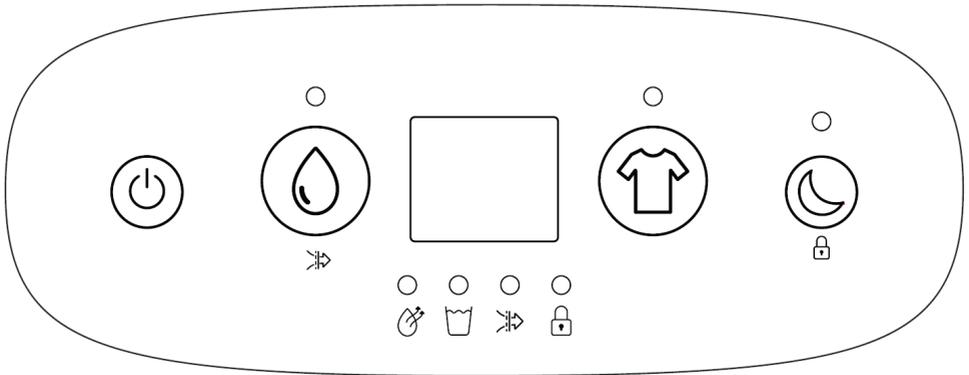
When the dehumidifier is turned on the reading on the display will show the current humidity level in the environment the dehumidifier is being used in. Press the smart humidity mode button once to see the target humidity level – the display will change for 5 seconds and then change back to the current humidity level.

# Operation

When the dehumidifier is first plugged into the mains it will beep once, no lights will appear on the control panel.

- All buttons on the control panel only require a short press: press the buttons firmly and quickly.

## Control panel



**ON/OFF:** Press the power button once to turn the dehumidifier on. The display will turn on and the dehumidifier will start to run. To turn the dehumidifier off press the power button again.



**Smart humidity mode:** Press the smart humidity mode button once to enter smart humidity mode. In this mode the dehumidifier will default to a target humidity of 55%.



**Variable humidistat:** To set your dehumidifier to reach a target humidity other than 55% continue to press the smart humidity mode button and scroll through the options in the following order: 40, 45, 50, 55, 60, 65, 70, CO. Once you have reached your desired target, the target will show on the display for 5 seconds and then change to the current humidity level. CO stands for Continuous - with this target the dehumidifier will continue to run and never turn off, regardless of the humidity level.

Once the target humidity level has been reached (+/- 3%) the dehumidifier will stop. Every 30 minutes the fan will run and check the humidity level, the dehumidifying indicator will turn off. If the humidity level has increased more than 3% above the target, the compressor will turn on and the dehumidifier will start to run again – the dehumidifying indicator will be solid. If the humidity level is within 3% of the target, the dehumidifier will go back to sleep and check the humidity level in another 30 minutes.

If the current humidity level is within 15% of the target humidity level, the dehumidifier will default to low fan speed. If the current humidity level is 15% or more above the target humidity level the dehumidifier will default to high fan speed.



**Air purification mode:** Hold the smart humidity button down for 2 seconds to enter air purification mode – ‘AP’ will show on the display and the air purification indicator will light up solid. In air purification mode the dehumidifier will not dehumidify, it will simply purify the air. This mode is useful during the summer months when dehumidification is generally not required. To remove air purification mode, hold the smart humidity button down for 2 seconds – this will take you back to smart humidity mode.

**Important!** If a HEPA filter is installed, the dehumidifier will always be purifying the air – it does not specifically need to be in air purification mode.



**Smart laundry mode:** Press the smart laundry mode button once to enter smart laundry mode. In this mode the dehumidifier will default to a target humidity of 35%rh and high fan speed. The display will change to ‘35’ for 5 seconds and then back to the current relative humidity level. The dehumidifier will run in smart laundry mode for 6 hours, after 6 hours the dehumidifier will turn off. Press the smart laundry mode button once and the display will show ‘SL’. Press the smart laundry mode button twice to see how much time is left on the timer. ‘06’ means 6 hours, ‘05’ means 5 hours and so on. To stop smart laundry mode press the smart humidity button or turn the dehumidifier off and on again.

If the dehumidifier reaches a humidity level of 32%rh before the 6 hours is up, the compressor will turn off to stop the air from becoming too dry, but the fan will continue to run. The dehumidifying indicator will turn off. If the relative humidity increases to 38%rh the compressor will turn back on. It will do this until the 6-hour timer is up.



**Night mode:** Press the night mode / child lock button once to enter night mode. The fan speed will be reduced to low (only if it is currently in high); the buttons will not beep when pressed and all lights on the display will turn off (the night mode indicator will turn off 3 seconds later than the rest of the display). Press the night mode / child lock button once to view the current humidity level. Press the night mode / child lock button twice to exit night mode.



**Child lock:** Hold the night mode / child lock button down for 2 seconds to lock the dehumidifiers control panel – once locked you will not be able to change any settings or turn the dehumidifier off. The dehumidifier will beep once, and the child lock indicator will light up. To remove child lock, hold the night mode / child lock button down for another 2 seconds.



**Dehumidifying indicator:** The dehumidifying indicator will light up solid when the compressor is running, and the dehumidifier is dehumidifying. The indicator will turn off when the dehumidifier is checking the humidity level.



**Water tank full indicator:** Once the water tank is full, the dehumidifier will continue to run in fan only mode for 3 minutes to blow any excess water off the coils and ensure that when you remove the tank there is no water left that could drip out of the spout. The water tank full indicator will then light up solid and bleep five times. The dehumidifier will stop running until the water tank has been emptied and inserted back in place. Once the water tank has been emptied and inserted back in place, the dehumidifier will continue to run in the previous mode.

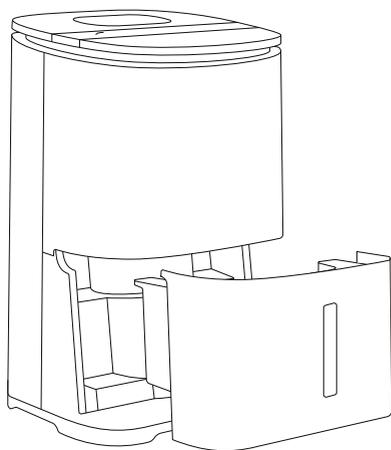


**Air purification indicator:** The air purification indicator will light up solid when the dehumidifier is in air purification (AP) mode only.



**Child lock indicator:** The child lock indicator will light up solid when child lock has been enabled.

# Water tank



The dehumidifier can be used to collect water in one of two ways: via the water tank or via continuous drainage. For more information on how to use continuous drainage, see page 14.

When the water tank is full and requires emptying, the dehumidifier will turn off, bleep five times and the water tank full indicator will light up solid. To empty the water tank, simply pull the water tank out from the dehumidifier and empty the water. The handle can be used to make it easier to carry the water tank. Use the pouring holes on the left or right corner of the water tank to empty the water (the water tank lid does not need to be removed).

The water collected can be used to water non-edible plants only – do not consume.

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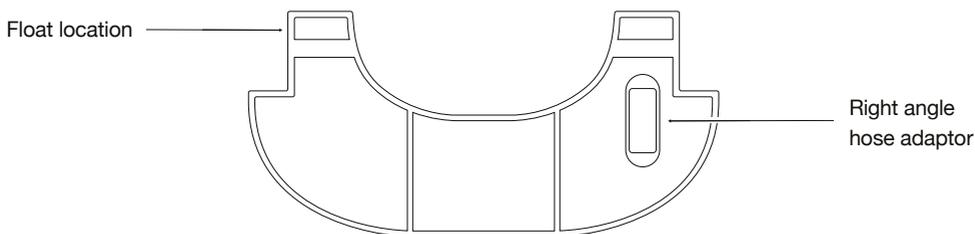
## Water tank float

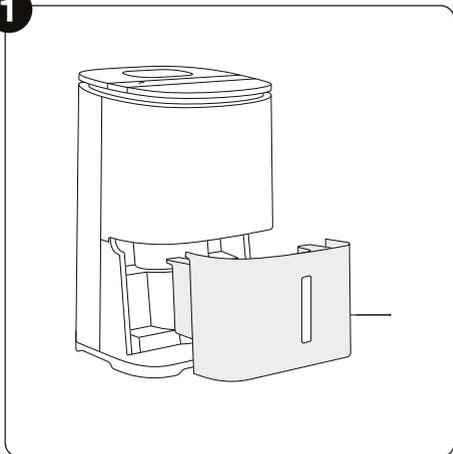
Located inside the water tank is a float. It is essential that the float is NOT removed from the water tank. The float measures the level of water in the water tank and triggers the sensor to turn the dehumidifier off when the water tank is full. If the float is removed from the water tank, the dehumidifier will not run.

# Continuous drainage

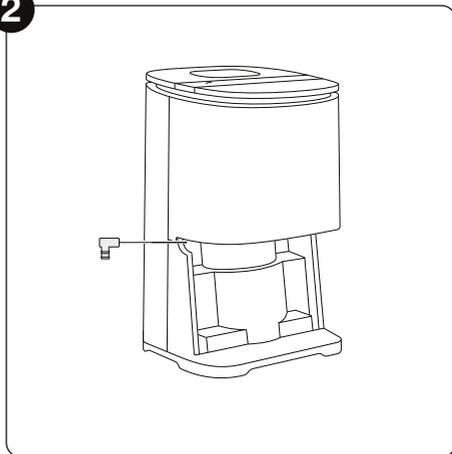
Continuous drainage can be used to drain water from the dehumidifier without having to empty the water tank. This is ideal for customers who wish to leave their dehumidifier unattended in garages or second homes.

The right-angle adaptor required can be found in the lid of the water tank. This adaptor has been designed to fit a standard garden hose (ID: 12.5mm). Hose not included. Make sure the hose runs downwards with no kinks, bends or blockages to allow the water to drain out via gravity.

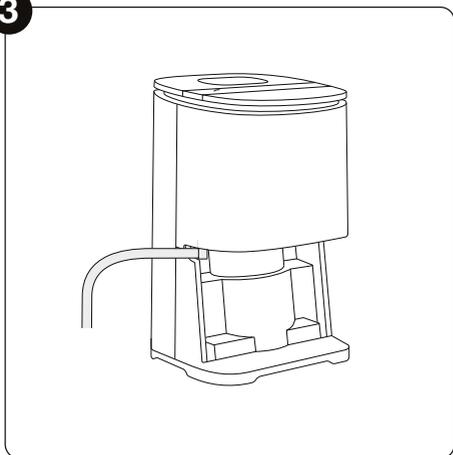


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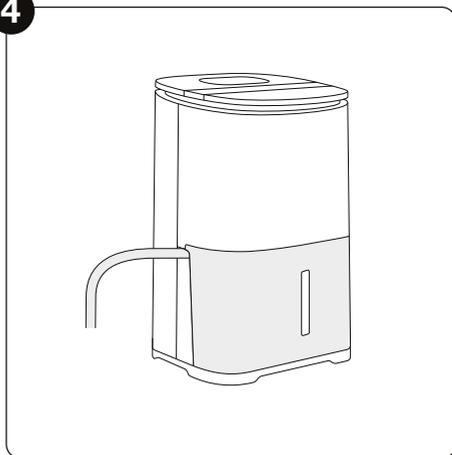
Remove the water tank.

**2**

Remove the right-angle adaptor from the water tank lid and push it onto the spout. The spout is where water drips out of the dehumidifier and is located on the left-hand side.

**3**

Attach the hose to the spout.

**4**

Insert the water tank back into the dehumidifier.

# Maintenance

To ensure your dehumidifier is always performing at its best, it's important to regularly clean it.

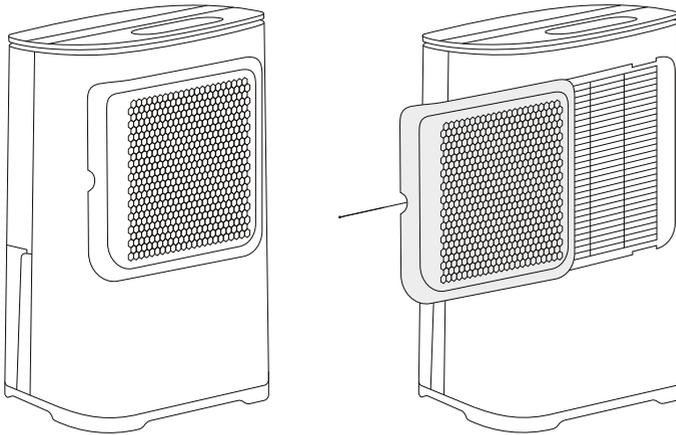
- Always unplug your dehumidifier from the mains before cleaning.
  - Do not allow the dehumidifier to get wet.
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## Cleaning the exterior

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

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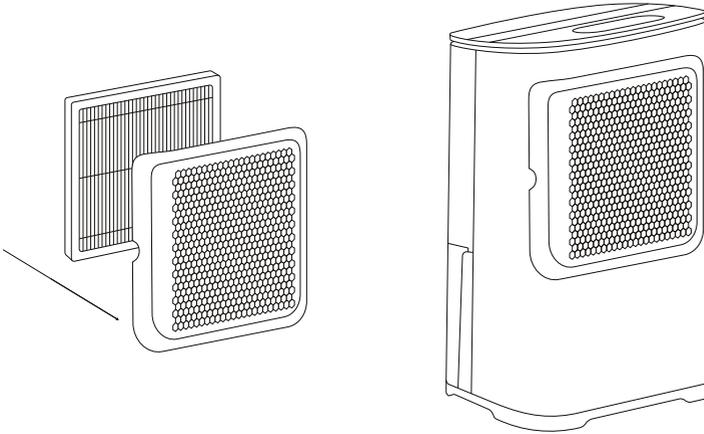
## Cleaning the dust filter



The dust filter is a life-long filter and therefore should not need to be replaced (other than for wear and tear reasons). When used regularly, the filter may become clogged with dust and dirt particles. The filter must be cleaned a minimum of every two weeks (not doing so could invalidate the units' warranty). Please follow the steps below.

1. Remove the dust filter from the dehumidifier by sliding the filter case to the left, away from the dehumidifier. The dust filter is built into the filter case and cannot be removed – you may have to remove the HEPA filter to access the dust filter.
2. Clean the dust filter with the end of a Hoover or soapy water no hotter than 40°C. Rinse and dry completely before inserting back into the dehumidifier.

## Replacing the HEPA filter



The dehumidifier comes with a free H13 HEPA filter. This HEPA filter can be inserted into the dehumidifier to enable air purification, however this is optional - the dehumidifier can be used without the HEPA filter, this means it will dehumidify the air only and not purify it.

Although we do highly recommend using the dehumidifier with a HEPA filter, if you would like a quieter dehumidifier, removing the HEPA filter will reduce the noise level by 4-5 decibels.

- The HEPA filter is not life-long and must be replaced when the colour changes from white to grey (it depends on the environment the dehumidifier is being used in but the HEPA filter will need replacing roughly every 3 months).
- The HEPA filter can be hoovered every so often to remove any dust or dirt.
- To insert/replace the HEPA filter place it inside the combined filter case and dust filter, then slide the combined filter case and dust filter into the dehumidifier.
- Replacement HEPA filters can be purchased from [eu.meaco.com](http://eu.meaco.com).

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## Cleaning the water tank

To clean inside the water tank, simply remove the water tank lid.

# Storing

If the dehumidifier will not be used for a long period of time, take the following steps:

1. Run the dehumidifier in Air Purification Mode for a few hours to dry the internals as much as possible. This will help to minimise the chance of mould growing inside the dehumidifier during long term storage.
2. Remove the plug from the socket and empty the water tank. Allow the water tank and the dehumidifier to dry completely, this can take a couple of days.
3. Use the cable tidy on the back of the dehumidifier to wrap the cable away.
4. Clean the filter and store the device in a dust-free location away from direct sunlight, preferably covered with a sheet of plastic.

# Troubleshooting

If you come across a problem with your dehumidifier, check the table below and try the suggestions. If the problem persists, contact Meaco.

Error	Action
Dehumidifier indicator is flashing	The dehumidifier is checking the humidity level to see if it has risen above the set target.
Buttons do not beep when pressed	The dehumidifier is in night mode. To remove night mode press the night mode button twice.
There are no lights on the display apart from the night mode indicator	The dehumidifier is in night mode. To remove night mode press the night mode button twice.
AP is showing on the display	AP stands for Air Purification mode. See page 10 for more information.
SL is showing on the display	SL stands for Smart Laundry mode. See page 10 for more information.
The dehumidifier does not dehumidify / collects little water	<ul style="list-style-type: none"><li>• The temperature is either too cold or too warm, make sure the dehumidifier is being used in an environment between 5°C and 35°C.</li><li>• The humidity level is already very low – below 45%rh the dehumidifier will not collect much water as there isn't enough moisture in the environment.</li></ul>

<p>The dehumidifier does not dehumidify / collects little water</p>	<ul style="list-style-type: none"> <li>• The target humidity level is higher than the actual humidity level. Use the smart humidity mode button to reduce the target humidity level.</li> <li>• Clean the dust filter and/or replace the HEPA filter. If these are dirty they will block the airflow and prevent the dehumidifier from dehumidifying.</li> <li>• The dehumidifier is in Air Purification mode. See page 11 for more information.</li> </ul>
<p>The dehumidifier works but reduces the humidity level insufficiently / there is little water in the water tank</p>	<ul style="list-style-type: none"> <li>• The application is too large. This dehumidifier is designed for single room use.</li> <li>• Make sure all windows and external doors are shut to reduce the ventilation.</li> <li>• Clean the dust filter and/or replace the HEPA filter. If these are dirty they will block the airflow and prevent the dehumidifier from dehumidifying.</li> </ul>
<p>The windows were clear and now the condensation has returned</p>	<p>This is because the outside temperature has dropped, and the windows are now colder. Use the dehumidifier on a lower target setting and run it 24 hours a day.</p>
<p>The condensation on my windows will not go, even when the dehumidifier is in CO mode</p>	<p>The surface temperature of the windows is too low for a dehumidifier to prevent condensation. This is common with single glazed windows and when the air temperature outside drops below freezing. Keeping running the dehumidifier in CO mode 24 hours a day, when the air temperature outside increases the windows should clear of condensation.</p>
<p>The dehumidifier is blowing out warm air</p>	<p>The dried air is passed over heating coils before it is blown into the room as part of the dehumidification process. This is normal.</p>
<p>The dehumidifier is blowing out cool air</p>	<p>The dehumidifier does not cool the air, the air may feel cooler because it is moving in the same way as the air from a fan in the summer feels cooler. This is normal.</p>
<p>The dehumidifier is noisy</p>	<p>Clean the dust filter and/or replace the HEPA filter. Make sure the dehumidifier is placed on a flat surface. A dehumidifier will be noisier on wooden floors than carpet.</p>
<p>Dirt on carpet</p>	<p>If you are using the dehumidifier on a carpet made from man-made materials it is not unusual for the static within the carpet to attract dust to the area and for there to be some black marks. This is normal for all dehumidifiers from all manufacturers and can be cleaned using standard carpet cleaner.</p>
<p>E1</p>	<p>Please contact Meaco.</p>
<p>E2</p>	<p>Please contact Meaco.</p>
<p>L3</p>	<p>The environment the dehumidifier is being used in is too warm. Make sure the dehumidifier is being used in 40°C or less.</p>
<p>L4</p>	<p>The environment the dehumidifier is being used in is too cold. Make sure the dehumidifier is being used in 2°C or more.</p>

# Meaco customer care

If you have a question about your Meaco dehumidifier, contact our Customer Service team who will be happy to help. Make sure you have your serial number and details of where and when you purchased your dehumidifier.

## Contact details

Website: <https://eu.meaco.com/pages/kontakt>

Email: [kundendienst@meaco.com](mailto:kundendienst@meaco.com)

Phone: 0911 88080553

Address: Meaco DE GmbH, Adlerstraße 34, D-90403 Nürnberg, Deutschland

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## Specifications

	6L
Dimensions (HWD)	395 x 288 x 214 mm
Nett Weight	7.9 kg
Extraction rate <i>27°C and 60%RH</i> <i>30°C and 80%RH</i>	3.5 L / day 6 L / day
Noise level	32 ~ 35 dB
Power consumption	105 watts
Air flow <i>Low fan speed</i> <i>High fan speed</i>	56 m <sup>3</sup> / hour 65 m <sup>3</sup> / hour
Auto-restart	Yes
Power supply	220 - 240 V, 50 Hz
Operating temperatures	+5°C to +35°C
Refrigerant	R290 / 25 g
Water tank size	1.8 L

# Warranty terms and conditions

There is a 5-year manufacturer's warranty on your dehumidifier from the date of delivery.

Within the 5-year warranty all manufacturing defects will be repaired free of charge (excluding damage to the dehumidifiers filter and water tank which can be subject to wear and tear).

The following applies:

1. Any repair or replacement of your dehumidifier or its components during the warranty period will not result in an extension of the warranty period.
2. Any repair or replacement of your dehumidifier or its components during the warranty period will not result in the warranty period starting again.
3. If your dehumidifier has been opened or tampered with or not genuine components have been fitted by yourself or anyone other than a Meaco engineer, your warranty is invalid.
4. Components subject to normal wear and tear, the combined dust filter and case, HEPA filter and hose adaptor are not covered by the warranty.
5. The warranty is only valid on presentation of the original, unaltered and date-stamped purchase receipt. If you are unable to produce proof of purchase, the warranty on your dehumidifier is invalid.
6. The warranty does not cover damage caused by actions that deviate from those as described in the instruction manual or by neglect.
7. The warranty does not cover faults caused by dirt or by third-party products.
8. Using a third-party switching device that turns the dehumidifier on or off via the mains will invalidate the warranty.
9. The warranty does not cover accidental damage.
10. All claims for compensation, including consequential damage, will not be entertained.

For the full list of the warranty terms and conditions please visit:

<https://eu.meaco.com/pages/allgemeine-geschäftsbedingungen>



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