

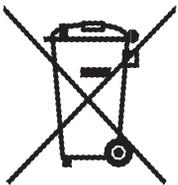
# Important

**A**ir always contains a certain amount of water in the air in the form of water vapour. This amount of moisture is commonly known as the humidity.

The capacity of the air to hold water vapour increases with the temperature. This is why in our homes, as soon as the temperature decreases, the vapour contained in the air condenses, as is evident on the colder surfaces in the room, such as the windows, walls etc.

The purpose of a dehumidifier is to remove the excess moisture from the air, to control condensation within the home. Experts have established that the optimum environmental conditions for our well being and preserve objects are obtained between 40% and 60% relative humidity. Below these levels the air can feel too dry and may cause skin complaints and even static electric shocks.

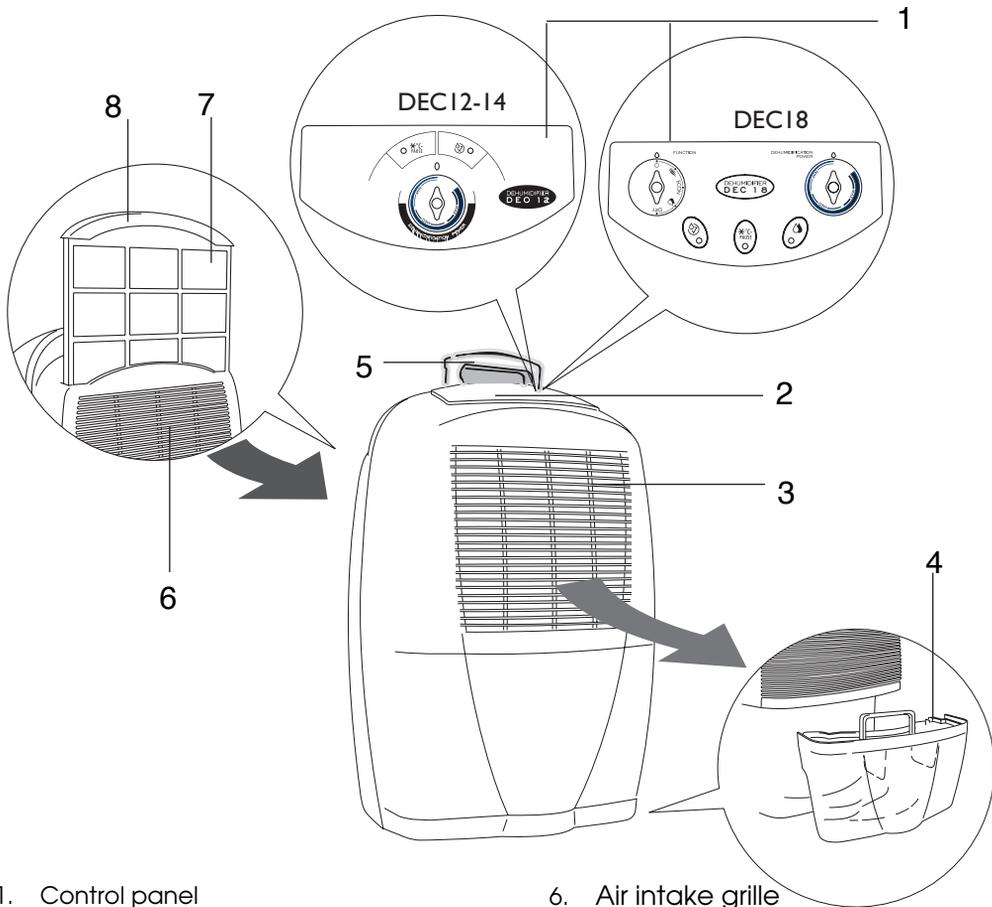
If temperatures in the home are lower than 10°C for prolonged periods low level heating will be necessary to allow the condensate to evaporate into the air before dehumidification can take place. The air will however be slightly warmed by the dehumidifier as the dry air leaving the dehumidifier is about 1°C higher than normal room temperature.



## **IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EC DIRECTIVE 2002/96/EC.**

At the end of its working life, the product must not be disposed of as urban waste. It must be taken to a special local authority differentiated waste collection centre or to a dealer providing this service. Disposing of a household appliance separately avoids possible negative consequences for the environment and health deriving from inappropriate disposal and enables the constituent materials to be recovered to obtain significant savings in energy and resources. As a reminder of the need to dispose of household appliances separately, the product is marked with a crossed-out wheeled dustbin.

# Description/Accessories



- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>1. Control panel</li> <li>2. Control panel cover</li> <li>3. Air outlet grille</li> <li>4. Condensate collection tank</li> <li>5. Lifting handle</li> </ul> | <ul style="list-style-type: none"> <li>6. Air intake grille</li> <li>7. Electrostatic filter (some models only)</li> <li>8. Air Filter</li> </ul> |
|--|---|

Accessory	Accessory
	condensate drain hose (some models only)
	rubber bung

# Important

## Important

- Use this appliance only as described in this instruction manual.  
As with any electrical appliance, whilst the instructions aim to cover as many eventualities as possible caution and common sense should be applied when operating and installing this air conditioner.
- This appliance is designed to dehumidify domestic rooms and must not be used for other purposes.
- In the case that the power cable becomes damaged, this must be substituted only by specialised personnel authorised by the manufacturer.
- It is dangerous to modify or alter the characteristics of the appliance in any way.
- If the appliance requires repair, always contact a Technical Service Centre authorised by the manufacturer. Always insist on original spare parts. Repairs carried out by unauthorised personnel may be dangerous and invalidate the guarantee.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- This appliance must be used exclusively by adults. Children should not be allowed to play with this appliance.
- Children should not be allowed to play with this appliance.
- The appliance must be connected to an efficient earth installation. Have your electrical circuit checked by a qualified electrician.
- Do not use extension power cables.
- Before cleaning or maintenance operations, always unplug the appliance from the mains.
- Do not move the appliance by pulling the power cable.
- Do not install the appliance in rooms containing gas, oil or sulphur. Do not install near sources of heat.
- Do not use the appliance on inclined surfaces.
- Keep the unit at least 50 cm away from inflammable substances (alcohol etc) or pressurised containers (eg. aerosol cans).
- Do not rest heavy or hot objects on top of the appliance.
- Clean the air filter regularly.
- Always transport the appliance upright or resting on one side. Remember to drain the tank before moving the appliance. Wait at least 1 hour after transporting the appliance before starting it
- R134a is a refrigerant that complies with the EEC environmental standards; nonetheless, the refrigerant circuit on the machine should not be perforated. At the end of its working life, consign the appliance to a special collection centre.
- The materials used for packaging can be recycled. You are therefore recommended to dispose of them in special differentiated waste collection containers.
- The appliance must be installed in conformity with the relevant national legislation.
- Do not use the appliance outdoors.
- Do not obstruct the air intake or outlet.

## Technical assistance

Keep the list of Technical Service Centres and identify the Centre nearest you.

## Electrical connections

**After moving the appliance, wait at least an hour before turning it on again.**

Before plugging the appliance into the power socket, check that:

- The mains power supply corresponds to the power supply indicated on the rating plate.
- The power socket and electrical circuit are adequate for the appliance.
- The power socket matches the plug. If this is not the case, have the plug replaced by a qualified electrician;
- The power socket must be adequately earthed;  
Failure to respect this safety rule absolves the manufacturer from all liability.  
This appliance is manufactured in compliance with EEC standard EN 55014 on the suppression of radio interference.
- The cable must be replaced by approved service personnel only.

# Installation

## Instructions for fitting the wheels

- 1) Make sure the appliance is unplugged from the mains and the tank is empty
- 2) Remove the rubber caps from the base of the appliance by pulling them out, using pliers if necessary (see Figure 1/1).
- 3) Fit the wheels by inserting the shafts into the holes (see Figure 1/2)

**Note:** When performing these operations, make sure the appliance is not tilted over 45°; in any case, after fitting the wheels, wait at least one hour before using the appliance again.

## Installation

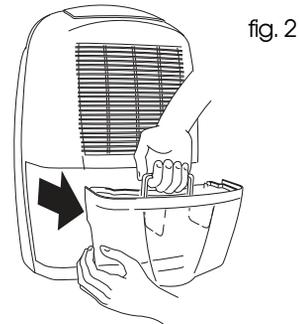
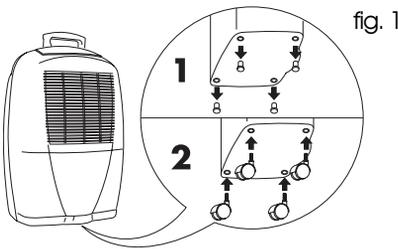
Position the appliance in the room to be dehumidified:

A free space of at least 50 cm must be left at the front of the humidifier, so as not to block the air outlet. A space of around 5-10 cm should be left at the rear of the appliance for aeration. Condensate can be drained in one of two ways:

### A) Draining into the tank

The condensate can be drained directly into the tank located inside the appliance (fig. 2).

The tank can be easily removed and has a handle making it simple to carry and empty.

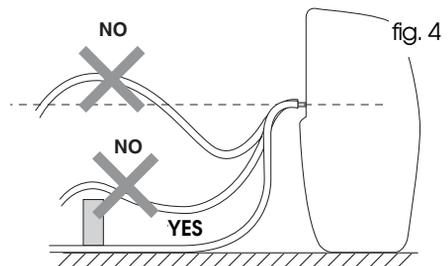
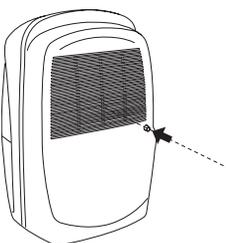


### B) Continuous external draining

If the appliance is to be operated for long periods of time but you are unable to empty the tank, you are recommended to use the continuous drain facility.

- 1) Drill the inside of the drain spout using a 7 mm dia. drill bit or removing the pre-cut section by pressing with a screwdriver or similar (Fig. 3).
- 2) Fasten the rubber hose to the spout. For models without drain hoses supplied, we suggest you purchase a rubber hose around 1 m long, with an internal diameter of 9.5 mm.
- 3) The condensate drain hose must under no circumstances slope upwards, otherwise the water may remain in the tank. Check there are no kinks in the hose (Fig. 4).

N.B.: Keep the rubber bung. You will need it to plug the hose or close the spout if you revert to draining into the tank (see point A).

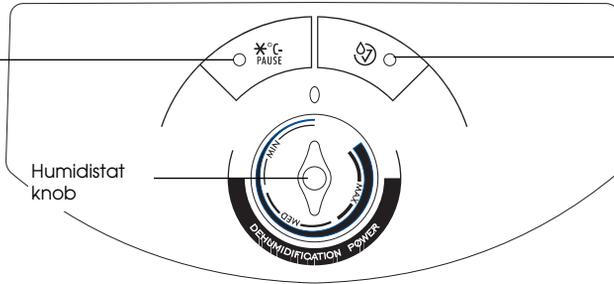


# How to dehumidify

## How to dehumidify (Models with humidistat)

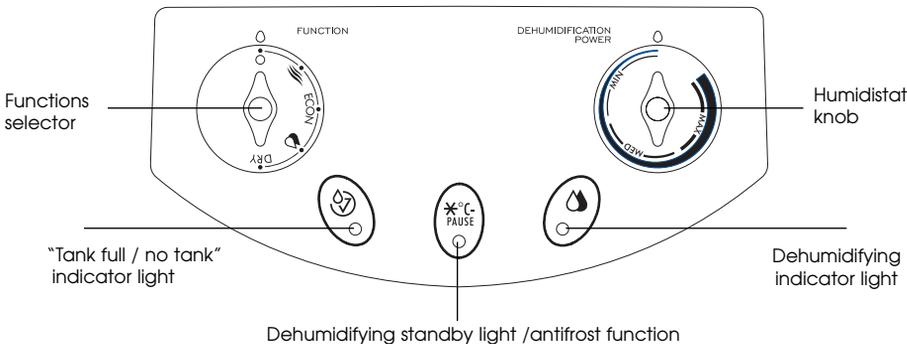
- 1) Plug the appliance into a mains socket.
- 2) Check that the "tank full/tank missing" light is off; if not, place the tank to the correct position.
- 3) The dehumidification standby light switches on in the first 3 minutes (safety device), after which the appliance starts dehumidifying.
- 4) The humidistat knob is used to adjust the humidity level as desired (MIN/MED/MAX). When the knob is on MIN, the dehumidifier will slightly lower the humidity in the room; on MAX, on the other hand, the appliance will considerably lower the humidity in the room. To dehumidify simply turn the humidistat to one of the positions available.

Dehumidifying standby light / anti-frost function



## How to dehumidify (Models with humidistat and function knob)

- 1) Plug the appliance into a mains socket.
- 2) ) Check that the "tank full/tank missing" light is off.
- 3) Select the **ECON** or **DRY** the dehumidification standby light switches on in the first 3 minutes (safety device), after which the dehumidification light switches on. The **WIND** mode is only used to purify the air, without dehumidifying.
- 4) The humidistat knob is used to adjust the humidity level as desired (MIN/MED/MAX). When the knob is on MIN, the dehumidifier will slightly lower the humidity in the room; on MAX, on the other hand, the appliance will considerably lower the humidity in the room. Then turn the humidistat to one of the positions available.



# How to dehumidify

## Dehumidifier functions

Your appliance features 4 functions: air purification , low consumption dehumidification *ECON*, comfort function , clothes drying *DRY*.

Turn the function knob anticlockwise to select the various functions, as desired.

## Purification function

Ideal where dehumidifying is not required, but simply to filter the air using the electrostatic filter supplied. The appliance will operate at low fan speed. The filter also purifies in all the other dehumidification functions.

## Low consumption dehumidification function *ECON*

When the set humidity level in the room is reached, the appliance stops. In cases where dehumidifying is required, while reducing consumption and limiting noise.

## Comfort function

This is the function used to reach the desired comfort level (set on the humidistat) in the fastest time possible.

## Dry function (clothes drying) *DRY*

Recommended when operating the appliance at maximum capacity, to remove large quantities of moisture (e.g. for drying clothes). In this mode the dehumidifier works independently of the humidistat.

# How to dehumidify



## Tank control system

This dehumidifier is fitted with a special device to ensure correct operation.

A red indicator light on the control panel comes on to warn the user when:

1. the tank is full . . . . . *empty the tank*
2. the tank is missing . . . . . *replace the tank*
3. the tank is in the wrong position . . . . . *position the tank correctly*
4. in continuous drain: the hose is obstructed or the difference in level is too great . . . . . *remove the obstruction.*

Once the cause has been eliminated, the light goes out and the appliance resumes operation.



## Dehumidification light (some models only)

This switches on when the machine is dehumidifying. The light remains on only when the appliance is effectively dehumidifying; if the humidity in the room is already low enough, the light will be off.



## Dehumidification standby/low temperature operation light

The light switches on in the following two cases:

- 1) To signal a delay of around 3 minutes in the start-up of the appliance. This device protects the compressor against too frequent starts and stops.
- 2) To signal low temperature operation. When the room temperature is too low, the electronic low temperature operation device is activated. The device makes the appliance operate by alternating dehumidification cycles and fan only cycles, thus avoiding the formation of frost. For frequent use in cold environments, it is recommended to heat the room at the same time, even slightly. This allows the dehumidifier to operate in conditions that ensure better performance and faster dehumidification.

# Cleaning/Warnings

## Maintenance

Always remove the plug from the power socket before performing any cleaning or maintenance operations. For safety reasons, never wash the dehumidifier using a water jet.

### Cleaning the cabinet

- Clean the appliance using a damp cloth then dry with a dry cloth.
- Never use petrol, alcohol or solvents to clean the appliance.
- Never spray the appliance with insecticides or similar. These could cause the paint to flake or plastic parts to warp.

### Cleaning the air filter

If the filter is dirty, air circulation is compromised and the efficiency of the dehumidifying and air purifying functions decreases. It is therefore good practice to clean the filter at regular intervals. The frequency depends on the duration and conditions of operation. If the unit is used constantly or systematically, you are recommended to clean the filter once a week.

- To remove the air filter, extract by pulling it as shown in fig. 5.
- Use a vacuum cleaner to remove dust accumulations from the filter. If the filter is very dirty, wash in warm water and rinse several times. The temperature of the water should not exceed 40°C. After washing the filter, allow to dry completely

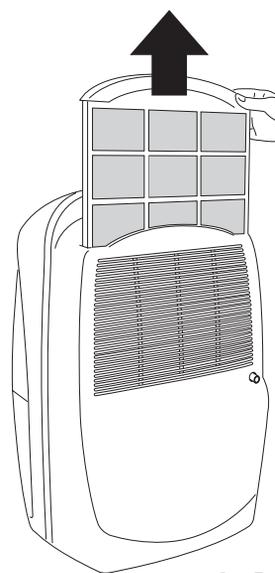


fig. 5

### If the appliance is not used for long periods

- Unplug from the mains socket and empty the tank.
- Clean and reposition the filter.
- Cover the appliance so that dust does not build up.

### Electrostatic purification filters (some models only)

The special high-efficiency electrostatic filter can capture very small particles (down to 0.3 µm). The filter is active in all of the functions.

Replace the filter at the end of each season, or in any case when depleted. The filters are available at the authorized DL service centres or Dè Longhi sales outlets.

**Do not attempt to clean the electrostatic filter, as this may diminish its filtering capacity**

# Troubleshooting

Check the following points before calling your local Technical Service Centre.

Problem	Cause	Remedy
<p>The appliance does not work in dehumidifying mode (indicator light off)</p>	<ul style="list-style-type: none"> <li>•the appliance is not plugged in</li> <li>•there is no current</li> <li>•the humidistat is on minimum</li> <li>•the tank is full of water</li> <li>•the tank is incorrectly positioned</li> </ul>	<ul style="list-style-type: none"> <li>•plug into the mains</li> <li>•check the power supply</li> <li>•turn the humidistat to the max position.</li> <li>•empty the tank</li> <li>•gently place the tank in the correct position</li> </ul>
<p>The appliance operates in dehumidifying mode (light on) but the humidity is not reduced</p>	<ul style="list-style-type: none"> <li>•filter clogged</li> <li>•the temperature or humidity of the home is too low</li> <li>•room too large</li> <li>•too many sources of humidity in room (boiling pots etc.)</li> </ul>	<ul style="list-style-type: none"> <li>•clean the filter</li> <li>•in certain conditions, it is normal for the appliance not to dehumidify (in these cases the room being dehumidified should also be heated)</li> </ul>
<p>The air conditioner doesn't work for about 3 minutes from turning on the appliance</p>	<ul style="list-style-type: none"> <li>•the appliance's security system has intervened</li> </ul>	<ul style="list-style-type: none"> <li>•wait for 3 minutes</li> </ul>

# Technical Characteristics

Power supply voltage  
 Absorbed power dehumidifying only  
 Maximum absorbed power  
 Maximum absorbed current  
 Defrosting device  
 Humidistat  
 Fan speeds  
 Air filter  
 Purifying filter  
 Dimensions LxHxP  
 Tank capacity

Operating limits:

- temperature
- relative humidity

DEC12-14	DEC18
See rating label	
"	
"	
"	
yes	
yes	
1	2
yes	
no	yes
570x360x300mm	
4 liters	
<b>Dehumidifying</b>	
2° - 32°	
30 - 95%	