

Some notions on humidity

Air always contains a certain amount of water in the form of vapour. This determines the level of humidity in an atmosphere.

The capacity of the air to hold water vapour increases with temperature.

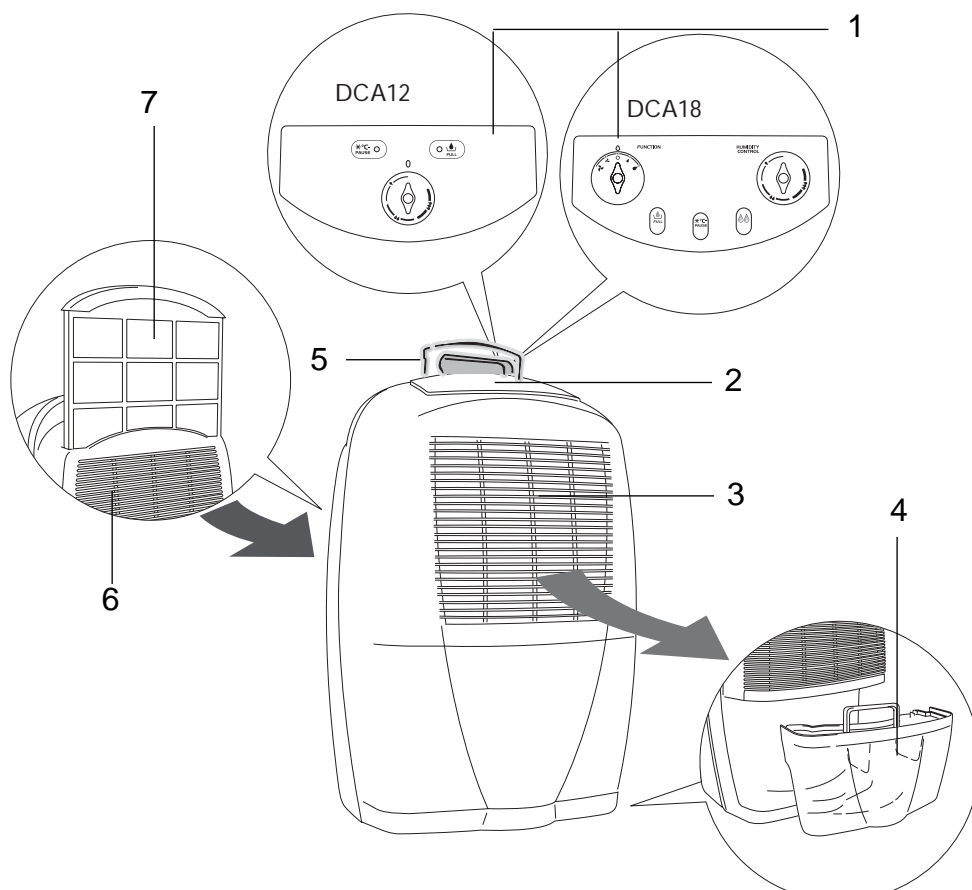
This is why in our homes, as soon as the temperature decreases, the vapour contained in the air condenses, as is evident on the colder surfaces in the room, such as the windows, walls etc.

The purpose of a dehumidifier is to remove the excess moisture from the air, avoiding the damage caused by condensation. Experts have established that the optimum environmental conditions for our well being and for the home are obtained between 40% and 60% relative humidity.



With temperatures near 0°C, you are recommended to heat the room even minimally. With heating, the condensation formed by the water vapour on windows and other cold surfaces evaporates into the air to be collected by the dehumidifier.

Air leaving the dehumidifier is usually about 1°C warmer than room temperature.

Description/Accessories



- | | |
|-------------------------------|----------------------|
| 1. Control panel | 5. Lifting handle |
| 2. Control panel cover | 6. Air intake grille |
| 3. Air outlet grille | 7. Dust filter |
| 4. Condensate collection tank | |

Accessories	Description
	condensate drain hose (2 m.)
	rubber bung

Warnings

Important safeguards

- Use this appliance only as described in this instruction manual. As with all electrical equipment, whilst the instructions aim to cover as many eventualities as possible, Caution and common sense should be applied when operating and installing this appliance.
- This appliance is designed to dehumidify domestic rooms and must not be used for other purposes.
- It is dangerous to modify or alter the characteristics of the appliance in any way.
- If the appliance requires repair, always contact a 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.
- This appliance must be used exclusively by adults. Do not allow children to play with the appliance.
- The appliance must be installed in conformity with legislation in force in the country concerned.
- If the power cable is damaged, it must be replaced by specialist personnel only.
- The appliance must be connected to an efficient earth installation. Have your electrical circuit checked by a qualified electrician.
- Do not use extension leads.
- Before cleaning or maintenance, always unplug the appliance from the mains socket.
- 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 sloping surfaces.
- Keep the appliance at least 50 cm away from flammable substances (alcohol etc) or pressurised containers (e.g. 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 condensate tank before moving the appliance. Wait at least 1 hour after transporting the appliance before starting it.
- R134a refrigerant complies with EEC environmental standards. However, you should avoid perforating the refrigerant circuit. At the end of its working life, consign the appliance to a specialist collection centre.
- The materials used for packaging can be recycled. You are therefore recommended to dispose of them in special differentiated waste collection containers.
- Do not use the appliance outdoors.
- Do not obstruct the air intake or outlet.

Assistance

Keep the list of 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 mains 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 is adequately earthed.

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 dehumidifier, so as not to block the air outlet. For efficient ventilation a space of about 5-10 cm should be left at the back of the appliance.

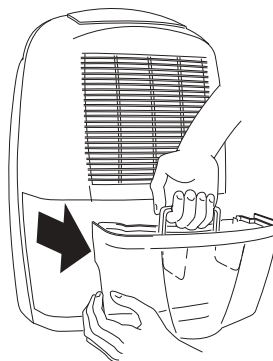
The condensate can be drained in one of the following ways:

A) Draining into the tank

The condensate can be drained directly into the tank (fig.1).

The tank can be easily removed and has a handle making it simple to carry and empty (fig.1).

fig. 1



B) Continuous external draining

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

- 1) Drill the inside of the drain spout using a narrow drill bit. (Fig.2).
- 2) Fasten the rubber hose to the spout. For models supplied without drain hose, we suggest you purchase a rubber hose around 2m long, with an internal diameter of 9.5 mm.
- 3) Make sure the end of the hose is no higher than the spout or water could remain in the tank. Check there are no kinks in the hose (Fig. 3).

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)

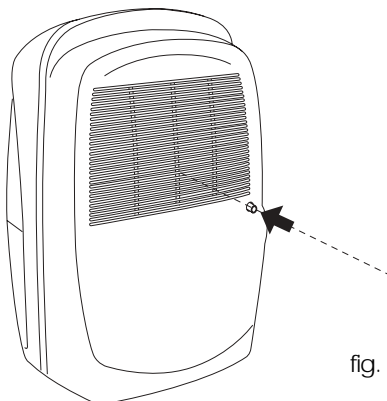


fig. 2

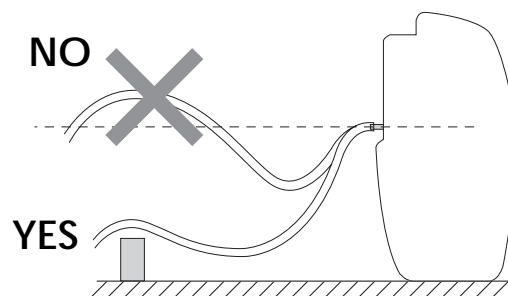
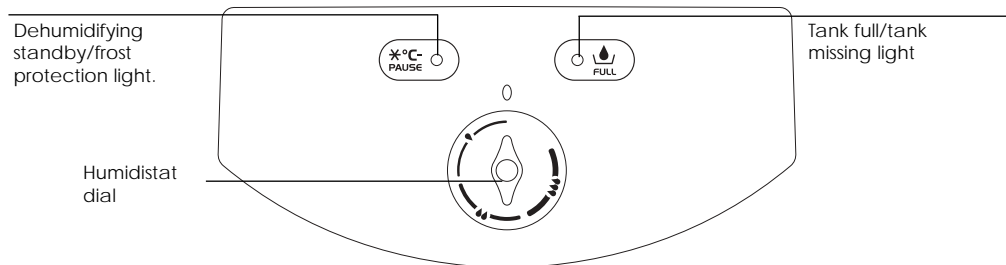


fig. 3

How to dehumidify

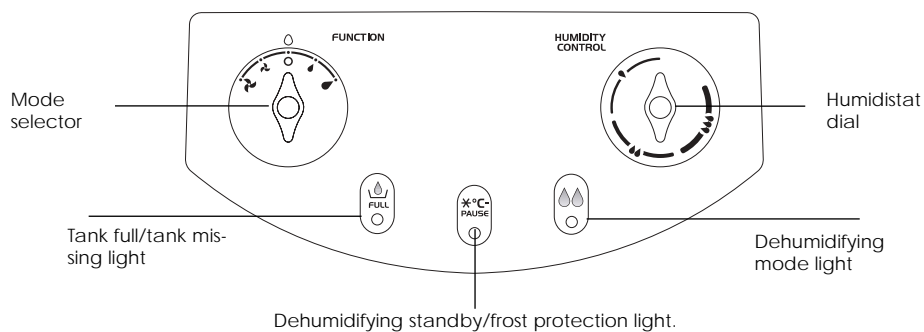
How to dehumidify (Model DCA 12)

- 1) Plug the appliance into a mains socket.
- 2) Make sure the "tank full/tank missing" light is off. If it is on, position the tank correctly or empty it.
- 3) The dehumidifying standby light comes on during the first three minutes (safety device), then the appliance starts dehumidifying.
- 4) The humidistat dial enables the humidity level to be regulated as required (♫ ♫ ♫ ♫). When the dial is on ♫ , the dehumidifier will remove the humidity from the room at minimum power. On the ♫ ♫ position, humidity is removed at maximum power. To dehumidify, adjust the humidistat to one of the positions available.



How to dehumidify (Model DCA 18)

- 1) Plug the appliance into a mains socket.
- 2) Make sure the "tank full/tank missing" light is off.
- 3) Select one of the positions available ♫ ♫ ♫ ♫ . The dehumidifying standby light comes on during the first three minutes (safety device), then the appliance starts dehumidifying. Position ♫ circulates the air only without dehumidifying.
- 4) The humidistat dial enables the humidity level to be regulated as required (♫ ♫ ♫ ♫). When the dial is on ♫ the dehumidifier removes only a small amount of humidity from the room. On the ♫ ♫ , position, it removes a large amount of humidity. Adjust the humidistat to one of the positions available.



Dehumidifier modes

Dehumidifier modes (Model DCA18)

Your appliance has four different modes: fan minimum speed, fan maximum speed, dehumidifying minimum speed, dehumidifying maximum speed.

Turn the mode selector to the right or left to select the various modes as required.

Fan mode

Circulates the air only without dehumidifying. Depending on the mode selected, the appliance operates at minimum or maximum fan speed.

Dehumidifying mode

When dehumidifying, minimum or maximum speed can be selected as required.

When the required level of humidity in the room is reached, the appliance goes off.

Indicator lights



Tank control system light

This dehumidifier has a special device to control correct operation.

A 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*reposition the tank*
3. the tank is incorrectly positioned*position the tank correctly*
4. with continuous drain: the hose is obstructed
or the difference in level is too great*remove the obstruction*

When the cause has been removed, the light goes off and the appliance resumes operation.



Dehumidifying light (model DCA18 only)

This comes on when the appliance is dehumidifying. The light stays on only while the appliance is actually dehumidifying. If the humidity in the room is sufficiently low, the light remains off.



Dehumidifying standby/low-temperature operation light

The light comes on:

- 1) To indicate the appliance is in standby for about three minutes before start-up. This device protects the compressor from starting up and stopping too often.
- 2) To indicate low temperature operation. When the temperature in the room is too low, the low temperature operation electronic device trips. This operates the appliance with alternate cycles of dehumidifying and fan only to avoid the formation of ice. For frequent use in particularly cold rooms, you are recommended to raise room temperature, even if only slightly.

This ensures that the dehumidifier is operating under suitable conditions, improving its performance and accelerating dehumidification.

Cleaning/Warnings/ important safeguards

Maintenance

Always unplug the appliance from the power socket before performing any cleaning or maintenance operations.

For safety reasons, never wash the dehumidifier using a jet of water.

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 liquid insecticide or similar products as they may deform the plastic.

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, pull it out (fig. 4).
- 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 must not exceed 40°C.
- After washing the filter, allow it to dry completely before repositioning it.

If the appliance is not used for long periods

- After having unplugged the appliance from the power socket, empty the tank.
- Clean and reposition the filter.
- Cover the appliance with a plastic bag so that dust does not build up.

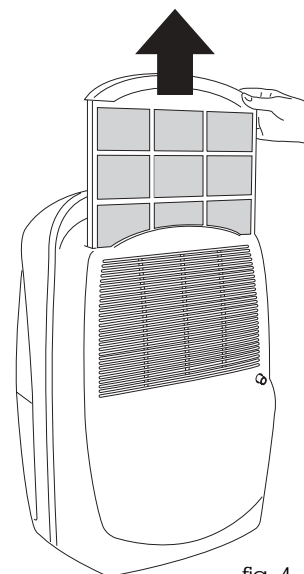


fig. 4

Troubleshooting

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

Problem	Cause	Solution
The appliance does not work in dehumidifying mode (indicator light off)	<ul style="list-style-type: none"> •the appliance is not plugged in •no electricity •the humidistat is on minimum •the tank is full of water •the tank is incorrectly positioned 	<ul style="list-style-type: none"> •plug into the mains •check the power supply •turn the humidistat to the max position •empty the tank •gently place the tank in the correct position
The appliance is operating in dehumidifying mode (light on), but the humidity does not decrease	<ul style="list-style-type: none"> •the filter is blocked •the temperature or humidity in the room is too low •the room is too large •too many sources of humidity in the room (pots of boiling water, etc.) •the temperature in the room is too low 	<ul style="list-style-type: none"> •clean the filter •in certain conditions, it is normal for the appliance not to dehumidify (in these cases the room being dehumidified should also be heated) •You are recommended to heat the room, even if only slightly.
The appliance does not work for around 3 minutes when restarted	<ul style="list-style-type: none"> •The safety device has tripped 	<ul style="list-style-type: none"> •wait for 3 minutes to pass

Technical specifications

Power supply voltage
 Absorbed power
 Maximum power input
 Absorbed current
 Frost protection device
 Humidistat
 Fan speeds
 Air filter
 Dimensions WxHxD
 Tank capacity
 Operating limits:
 • temperature
 • relative humidity

DCA12	DCA18
See rating plate	
"	
"	
"	
yes	
yes	
1	2
yes	
570x360x300mm	
4 litres	
Dehumidifying	
2° - 32°	
30 - 95%	