

## Brief notes on humidity

**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.

As the air warms up more moisture can be held so the level of moisture is relative to the temperature.

This is why people talk about relative humidity expressed as a percentage.

When the weather is very hot and damp a relative humidity at 30°C can be perhaps 85%, yet on a cold foggy day the air can be 5°C, again with a relative humidity of 85%.

In both cases it is possible to think of the air as being 85% full of water vapour, near to saturation in both cases.

In our homes, when temperatures drop, the water vapour held in the air condenses on cold surfaces such as windows and walls, causing condensation and damp.

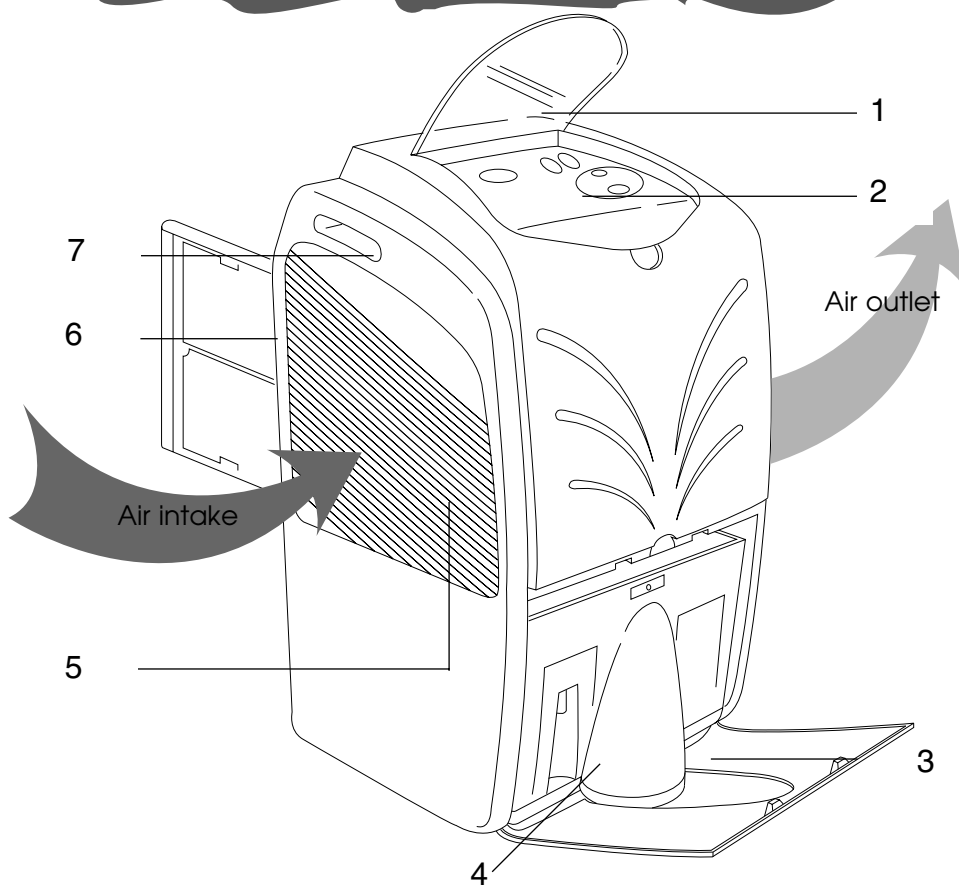
The purpose of a dehumidifier is to remove the excess moisture from the air, to control condensation within the home.

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.



The amount of water collected in the tank will be higher at times when outside air temperatures are warm and high humidity prevails, than in the middle of winter when the air is cold with high humidity. This is due to the fact that cold air is capable of holding less water vapour than warm air.

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.

## Description/Accessories



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

Accessory	Description	No. provided
	condensate drain hose	1 (2 m)
	rubber bung	1

# 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.
- This appliance must be used exclusively by adults. Do not allow children to play with the 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.
- 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.
- The refrigerant used in this appliance would cause damage to the ozone layer if released into the atmosphere. Therefore at the end of the working life of the appliance the unit should be taken to a recycling centre for disposal of the refrigerant.
- 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.

ENGLISH

## 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.

**P**lace the dehumidifier in a suitable position, a hallway or landing are generally good sites. The appliance must be positioned so that the air intake and air outlet grills are at least 50 cm away from any wall or obstacle to ensure adequate ventilation.

# Installation

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. 1).

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

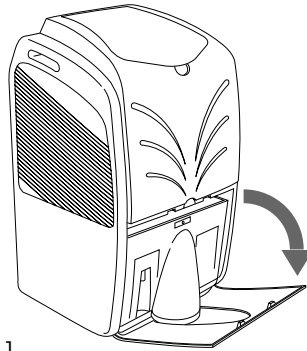


fig. 1

## 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) Remove the rubber bung from the spout (Fig. 2).
- 2) Make a hole in the tank inside the spout using a fine drill bit (8mm) (Fig. 2).
- 3) To fit the rubber hose to the spout, open the door, remove the tank, pass the drain hose provided through the space between the door (at a slight angle) and the bottom of the appliance, reposition the tank and fit the hose onto the spout (Fig. 3).
- 4) Close the door.
- 5) Make sure the hose is on the level otherwise the water will remain in the tank. Check there are no kinks in the hose.

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).

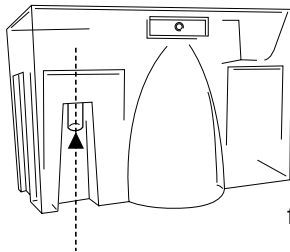


fig. 2

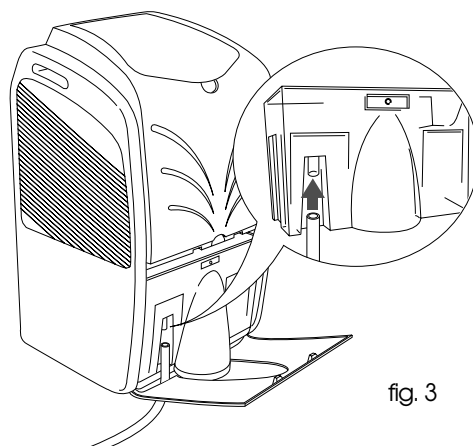
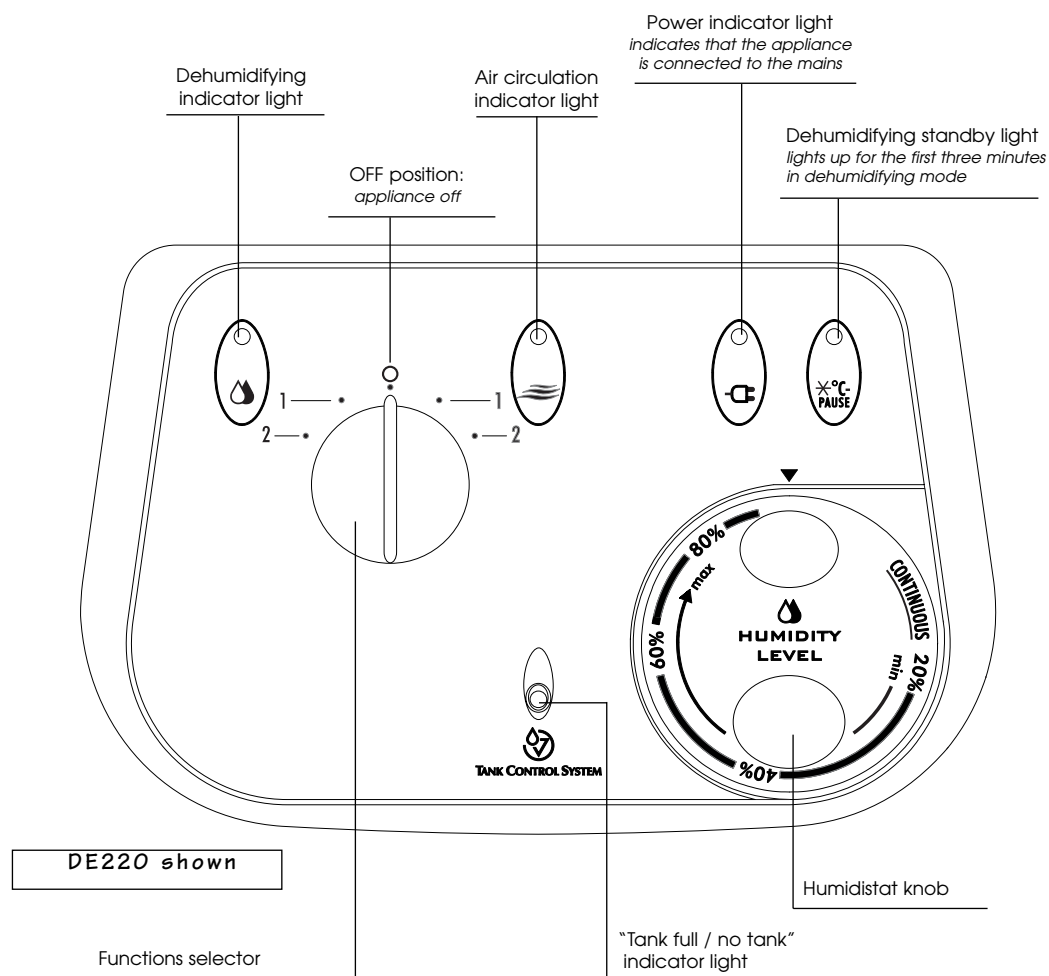


fig. 3

# Description of controls

ENGLISH



## 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.

## Selecting operating modes

### How to dehumidify



- 1) Plug the appliance into a mains socket. The power light comes on to show the appliance is connected to the mains.
- 2) Check that the "tank full/no tank" indicator light is off.
- 3) Turn the humidistat to the "CONTINUOUS" (continuous operation) position and the function selector switch to position  or in some models, to one of the two DEHUMIDIFICATION positions  : 1 = min. 2 = max.

The dehumidification pause light comes on during the first three minutes (safety device), followed by the dehumidification light.

When the humidity in the room has reached the required level, slowly turn the humidistat knob anticlockwise until the dehumidifying light goes out. The dehumidifier will then keep the humidity in the room at the selected level automatically.

Note: When dehumidifying, the appliance not only dehumidifies but also slightly warms the air (1-2°C hotter than room temperature)

### How to ventilate

Turn the function selector switch to pos.  or in some models, to one of the two VENTILATION positions  : 1 = min. 2 = max.

The ventilation light comes on

**TO TURN THE UNIT OFF COMPLETELY, SET THE FUNCTION SELECTOR TO THE "O" POSITION AND UNPLUG FROM THE MAINS.**

## 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.

ENGLISH

### 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. 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 should not exceed 40°C. After washing the filter, allow to dry completely before putting it back in the appliance.

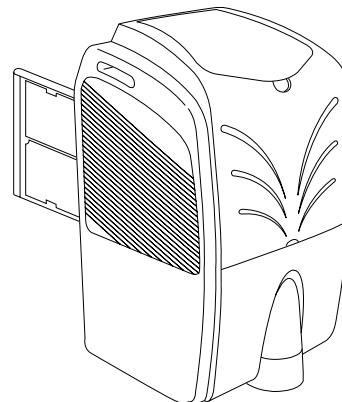


fig. 4

### 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.

# Troubleshooting

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

Problem	Cause	Remedy
The appliance does not work in dehumidifying mode (indicator light off)	<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>•set the humidistat to the required level</li> <li>•empty the tank</li> <li>•gently place the tank in the correct position</li> </ul>
The appliance operates in dehumidifying mode (light on) but the humidity is not reduced	<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> <li>•the compressor is off because the defrosting device has cut in</li> <li>•the temperature in the room is below 5°C</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 (see "Technical characteristics")</li> <li>•switch the appliance off, wait 30 minutes then turn on again. If the problem is not solved, call the Technical Service Centre.</li> <li>•we suggest to heat the room. (see "Brief notes on humidity")</li> </ul>
The air conditioner doesn't work for about 3 minutes from turning on the appliance	<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

ENGLISH

Power supply voltage  
 Absorbed power dehumidifying only  
 Maximum absorbed power  
 Maximum absorbed current  
 Refrigerant  
 Air treated (min/max)  
 Defrosting device  
 Humidistat  
 Fan speeds  
 Compressor protection device  
 Air filter  
 Dimensions LxHxD  
 Weight (net)  
 Tank capacity

Operating limits:

- temperature
- relative humidity

DE120	DE210	DE220
See rating label		
"		
"		
"		
"		
240m³/h	260m³/h	210/300 m³/h
yes		
yes		
1	1	2
yes		
yes		
365x610x375mm		
18,5Kg	18,5Kg	21,5Kg
5.5 litres		
<b>Dehumidifying</b>		
5° - 32°		
30 - 95%		

**This appliance contains substances which, if released into the atmosphere, would damage the ozone layer. Care should therefore be taken not to perforate the refrigerant circuit. At the end of its working life, delivery the air conditioning unit to a special collection centre.**

