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INTRODUCTION

Thank you for choosing the ESAM 5400 automatic coffee maker.

We hope you enjoy using your new appliance. Take a few minutes to read these instructions. This will avoid all risks and damage to the machine.

Symbols used in these instructions

Important warnings are identified by these symbols.

These warnings must absolutely be respected. Failure to observe the instructions could result in electric shock, serious injury, burns, fire or damage to the appliance.



Danger!

Failure to observe the warning could result in possibly life threatening injury from electric shock.



Important!

Failure to observe the warning could result in injury or damage to the appliance.



Danger of burns!

Failure to observe the warning could result in scalds or burns.



NB :

This symbol identifies important advice or information for the user.

Letters in brackets

The letters in brackets refer to the legend in the Description of the Appliance on page 3.

Troubleshooting and repairs

In the event of problems, first try and resolve them following the information given in the sections "Displayed messages" on page 38 and "Troubleshooting" on page 40.

If this does not resolve the problem or you require further information, you should consult the technical assistance service by calling the number given on the "Customer Service" sheet.

If your country is not among those listed on the sheet, call the number given in the guarantee.

If repairs are required, contact an authorised service centre only.

The addresses are given in the guarantee certificate provided with the machine.

SAFETY

Fundamental safety warnings



Danger! This is an electrical appliance and may therefore cause electric shock.

You should therefore respect the following safety warnings:

- Never touch the appliance with damp hands.
- Never touch the plug with damp hands.
- Make sure the socket used is freely accessible at all times, enabling the appliance to be unplugged when necessary.
- Unplug directly from the plug only. Never pull the power cable as you could damage it.
- To disconnect the appliance completely you must unplug it from the mains socket.
- If the appliance is faulty, do not attempt to repair. Turn it off, unplug from the mains socket and contact a technical service centre.
- If the plug or power cable is damaged, it must be replaced by a technical service centre only to avoid all risk.



Danger! Keep all packaging (plastic bags, polystyrene foam) away from children.



Danger! Do not allow the appliance to be used by persons (including children) with psychological, physical or sensory impairments or with inadequate experience or knowledge, unless closely supervised and instructed by someone responsible for their safety. Children must be supervised to ensure they do not play with the appliance.



Important: Risk of burns! This appliance produces hot water and steam may form while it is in operation. Avoid contact with splashes of water or hot steam. When the appliance is in operation, do not touch the cup warmer shelf (A6) as it becomes hot.

Designated use

This appliance is designed and made to prepare coffee and heat drinks.

All other use is considered improper.

This appliance is not suitable for commercial use.

The manufacturer is not liable for damage deriving from improper use of the appliance.

Instructions

Read these instructions carefully before using the appliance.

- Keep these instructions. If the appliance is passed to other persons, they must also be provided with these instructions.
- Failure to respect these instructions may result in burns or damage to the appliance. The manufacturer is not liable for damage deriving from failure to respect these instructions.

DESCRIPTION

Description of the appliance

(page 3 - **A**)

- A1. Grinding coarseness regulator knob
- A2. Bean container lid
- A3. Container for coffee beans
- A4. Pre-ground coffee feed funnel
- A5. Compartment for measure
- A6. Cup warmer shelf
- A7. Water tank
- A8. Infuser
- A9. Coffee grounds container
- A10. Cup tray
- A11. Drip tray
- A12. Service door
- A13. Coffee guide
- A14. Coffee spout (adjustable height)
- A15. Cappuccino maker/hot water spout
- A16. Measure
- A17. Main switch

Description of control panel

(page 3 - **B**)

A number of buttons on the panel have a dual function. This is indicated in brackets in the description.

- B1.  button: turns the appliance on and off
- B2. Indicator lights: indicate the current settings, alarm messages or need for maintenance.
- B3.  button: to prepare 1 cup of coffee with the settings displayed
- B4.  button: to prepare 2 cups of coffee with the settings displayed.
- B5.  button: to deliver steam or hot water to make hot drinks.
(When you access the MENU, pressing the "OK" button confirms the selection made).
- B6. Selection knob: turn clockwise or anticlockwise until the light corresponding to the quantity of coffee comes on

 "my coffee" (customised)

 espresso coffee

 standard coffee

 long coffee

 extra long coffee

(When you access the MENU: turn to select).

- B7. Aroma selection button  : press until the light corresponding to the type of coffee you want to make comes on.

 pre-ground coffee

 extra-mild taste

 mild taste

 standard taste

 strong taste

 extra-strong taste

- B8.  steam or hot water selection button.
(When you access the MENU: press the "ESC" button to exit from the selected function and go back to the main menu).

- B9. P button to access the menu:

Explanation of lights

 The "hot water" function is selected.

 Manual rinse (activated by accessing the menu with the P button)

 Indicates the need to descale the appliance.

 The water tank is empty and must be filled with fresh water.

The "temperature" light comes on when the machine is warming up or cooling down. It goes off when the correct temperature is reached.

 The "steam" function is selected.

 The appliance is delivering two cups of coffee (the "two cup" button has been pressed).

 An alarm is displayed (see "Explanation of lights").

 The grounds container is full or missing and must be emptied or inserted.

 The filter is exhausted and must be replaced.

OK > Indicates the button to press to confirm the choice in the menu.

<ESC Indicates the button to press to exit the menu or selected function.

PRELIMINARY CHECKS

Controls after transport

After removing the packaging, make sure the product is complete and undamaged and that all accessories are present.

Do not use the appliance if it is visibly damaged. Contact the technical service centre.

Installing the appliance



Important!

When installing the appliance, respect the following safety warnings:

- The appliance gives off heat.
Leave a free space of at least 3 cm around the sides and back of the appliance and at least 15 cm at the top, otherwise the heat could be trapped and damage the machine.
- Water penetrating the appliance could cause damage.
Do not place the appliance near taps or sinks.
- The appliance could be damaged if the water it contains freezes.
Do not install the appliance in a room where the temperature could drop below freezing point.
- Arrange the power cable in such a way that it cannot be damaged by sharp edges or contact with hot surfaces (e.g. electric hot plates).

Connecting the appliance



Important!

Check that the mains power supply voltage corresponds to the value indicated on the rating plate on the bottom of the appliance. Connect the appliance to an efficiently earthed and correctly installed socket with a minimum current rating of 10A only. If the power socket does not match the plug on the appliance, have the socket replaced with a suitable type by a qualified professional.

Using the appliance for the first time



NB!

- Coffee has been used to factory test the appliance and it is therefore completely normal for there to be traces of coffee in the mill. The machine is, however, guaranteed to be new.
- You should customise water hardness as soon as possible following the instructions in the section "Setting water hardness" on page 36.
- Some models are fitted with a water softener filter which reduces the build up of limescale in the appliance. To install, see the section "Installing the filter" (page 30).

Follow the instructions indicated:

1. Remove the water tank, fill to the MAX line with cold water then replace in the appliance (fig. 1).
2. Turn the cappuccino maker outwards and place a container underneath (fig. 2).
3. Plug the appliance into the mains socket and place the main switch on the back of the appliance in the I position (fig. 27).
4. The  light comes on and OK flashes:
5. Press the  button (fig. 3). After a few seconds, the appliance delivers hot water and the  light flashes.

The appliance ends the first start up procedure and goes off.

The coffee maker is now ready for normal use.



NB! When using the appliance for the first time, you need to make 4/5 cups of coffee and 4/5 cappuccinos before the appliance starts to give satisfactory results.

TURNING THE APPLIANCE ON



N.B.! Before turning the appliance on, make sure the main switch is in the I position (fig. 27). Each time the appliance is turned on, it performs an automatic preheat and rinse cycle which cannot be interrupted. The appliance is ready for use only after completion of this cycle.



Danger of burns! During rinsing, a little hot water is delivered from the coffee spouts. Avoid contact with splashes of water.

- To turn the appliance on, press the  button (fig. 4). The  light flashes while the appliance warms up and completes the automatic rinse cycle. As well as heating the boiler, this also heats the internal circuits by circulating hot water. During this process, the  light flashes.

The appliance has reached the correct temperature when the light goes off  and the coffee taste and quantity and "steam" or "hot water" lights come on.

TURNING THE APPLIANCE OFF

Each time the appliance is turned off, it performs an automatic rinse cycle which cannot be interrupted.



Danger of burns! During rinsing, a little hot water flows from the coffee spouts. Avoid contact with splashes of water. To turn the appliance off, press the  button (fig. 4).

The appliance performs the rinse cycle then goes off.



N.B.! If the appliance is not used for an extended period, place the main switch in the 0 position (fig. 28).

CHANGING THE MENU SETTINGS

CHANGING THE MENU SETTINGS

1. Press the P button to enter the menu;
2. Turn the selection knob until the  light comes on;
3. Press the **OK**  button to select the function. The OK light flashes;
4. Press the **OK**  button to start rinsing (or the  **ESC** button to cancel the operation). The light flashes .
5. After rinsing, the appliance automatically exits the menu and is ready to make coffee.

i NB! Unlike automatic rinsing, manual rinsing can be interrupted at any moment by pressing the **OK**  button.

Descaling

1. Press the P button to enter the menu;
2. Turn the selection knob until the light comes on;
3. Press the  button to select the function (or the **OK**  button to exit the menu); The OK light flashes  **ESC** ;
4. Perform descaling as described in the section "Descaling" (page 35).

Setting the temperature

1. Press the P button to enter the menu;
2. Turn the selection knob until the  light comes on;
3. Press the **OK**  button to select the function (or the  **ESC** button to exit the menu);
4. Turn the selection knob until the lights corresponding to the required temperature come on:
 LOW  ;
 MEDIUM   ;
 HIGH    ;
5. Press the **OK**  button to confirm the selection (or the  **ESC** button to cancel the operation);
6. Press the button  **ESC** to exit the menu.

Auto-Off

1. Press the P button to enter the menu;
2. Turn the selection knob until the  light comes on;
3. Press the **OK**  button to select the function

- (or the  **ESC** button to exit the menu);
4. Turn the Selection knob until the lights corresponding to the number of hours before the appliance goes off automatically come on:
 1 HOUR  ;
 2 HOURS   ;
 3 HOURS    ;
 5. Press the **OK**  button to confirm the selection (or the  **ESC** button to cancel the operation);
 6. Press the  **ESC** button to exit the menu.

Setting water hardness

1. Press the P button to enter the menu;
2. Turn the selection knob until the  light comes on;
3. Press the **OK**  button to select the function (or the  **ESC** button to exit the menu);
4. Turn the knob until the water hardness measured using the indicator strip is displayed (see section "Setting water hardness" on page 36);
 LEVEL 1;  ;
 LEVEL 2;   ;
 LEVEL 3;    ;
 LEVEL 4     ;
5. Press the **OK**  button to confirm the selection (or the  **ESC** button to cancel the operation);

Resetting factory default values (reset)

Resetting factory default values (reset)

1. Press the P button to enter the menu;
2. Turn the selection knob until the lights come on   ;
3. Press the **OK**  button to select the function (or the  **ESC** button to exit the menu). The OK light flashes;
4. Press the **OK**  button again to restore the original settings.

Installing the filter

Certain models are provided with a water softener filter. If this is not the case with your model, you are recommended to purchase one from an authorised technical service centre.

To install, proceed as follows:

1. Remove the filter from the packaging.
2. Slide the pointer of the date indicator (fig. 26, page 5) until the months of use are displayed (the filter lasts about two months).
3. Insert the filter in the water tank and press it until it touches the bottom of the tank (fig. 25, page 5).
4. Fill the water tank and insert in machine;
5. Turn the cappuccino maker outwards and place a container underneath (min. capacity 100ml).

When you install the filter, you must notify the appliance of its presence.

6. Press the P button to enter the menu;
7. Turn the selection knob until the lights come on ;
8. Press the **OK** button to select the function: The OK light flashes;
9. Press **OK** to confirm the selection. The OK light flashes and the light comes on;
10. Press the **OK** button (fig. 3). The appliance delivers hot water and the light flashes. After delivery, the appliance returns automatically to the "ready for coffee" position.

If on the other hand you want to use the appliance without a filter, you must remove it and notify the appliance of its removal as follows:

1. Press the P button to enter the menu;
2. Turn the selection knob until the lights come on (the second flashes to indicate the presence of the filter);
3. Press the **OK** button: the light stops flashing to indicate that the filter is not present. The ESC light comes on and the OK light flashes;
4. Press the **ESC** button twice to exit the menu.

Important! If this is not done, the appliance could become clogged with limescale.

Replacing the filter

When the light comes on or after two months of use (see date indicator), the filter must be replaced:

1. Remove the exhausted filter;
2. Remove the new filter from the packaging.
3. Slide the pointer of the date indicator (fig. 26, page 5) until the months of use are displayed (the filter lasts about two months).
4. Insert the filter in the water tank and press it until it touches the bottom of the tank (fig. 25, page 5).
5. Turn the cappuccino maker outwards and place a container underneath (min. capacity 100ml).

6. Press the P button to enter the menu;
7. Turn the selection knob until the lights come on ;
8. Press the **OK** button to confirm the selection (or the **ESC** button to cancel the operation); The OK light flashes;
9. Press the **OK** button again to notify the machine that the filter has been replaced. The OK light flashes and the light comes on;
10. Press the **OK** button (fig. 3). The appliance delivers hot water and the light flashes. After delivery, the appliance returns automatically to the "ready for coffee" position.

Statistics function

1. Press the P button to enter the menu;
2. Turn the selection knob until the lights come on ;
3. Press the **OK** button to confirm (or the **ESC** button to cancel the operation);
4. Press the **OK** button again to access the statistics function: the appliance displays the following information:
 - how many coffees have been made ;
 - how many times the machine has been descaled ;
 - the total number of litres of water delivered ;
 - how many times the water filter has been replaced .
5. To view the required information, turn the selector knob until the corresponding light flashes. The coffee beans flash in the following order to indicate the number:



Example: you want to know how many coffees have been made.



Enter the menu and select the light. Count the flashes of the beans - 137 coffees have been made.

6. When you have viewed the information, press the **ESC** button to exit the statistics menu. To go back to "ready for coffee", press the button **ESC** .

MAKING COFFEE

Selecting the coffee taste

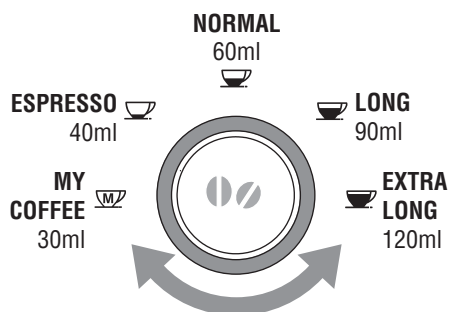
The appliance is preset to make coffee with a standard taste. You can also choose one of these tastes:

- ☐ Extra-mild taste
- ☐ Mild taste
- ☐ Standard taste
- ☐ Strong taste
- ☐ Extra-strong taste

To change the taste, press the  button (fig. 5) repeatedly until the required taste is displayed.

Selecting the quantity of coffee in the cup

To select the quantity of coffee, turn the selection knob until the light corresponding to the required quantity of coffee comes on:



Customising the "MY COFFEE" quantity

The appliance is factory preset to automatically deliver 30ml.

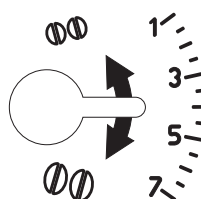
- Place a cup under the coffee spouts (fig. 6).
- Turn the selection knob (B6) until the  light comes on.
- Press the 1 cup button  for at least 8 seconds (fig. 7).
The  light starts flashing and the machine delivers the coffee. Release the button.
- As soon as the coffee in the cup reaches the required level, press the 1 cup button  again.

The quantity set has now been programmed.

Regulating the coffee mill

The coffee mill is preset in the factory to prepare coffee correctly and should not require regulating initially.

However, if after making the first few coffees you find that delivery is either too fast or too slow (in drops), this can be corrected by regulating the grinding adjustment knob (fig. 8).



For slower coffee delivery and a creamier coffee, turn one click towards "1" (finer ground coffee).

For more rapid coffee delivery (not in drops), turn one click towards "7" (coarser ground coffee).

These adjustments will only be evident after at least 2 cups of coffee have been delivered.



NB! The grinding coarseness regulator must only be turned when the coffee mill is in operation.

Preparing coffee using coffee beans



Important! Do not use caramelised or candied coffee beans as they could stick to the coffee mill and make it unusable.

- Fill the container (A3) with coffee beans (fig. 9).
- Place under the coffee spouts:
 - 1 cup, if you want to make 1 coffee (fig. 6);
 - 2 cups, if you want 2 coffees.
- Lower the spouts as near as possible to the cup. This makes a creamier coffee (fig. 10).
- Press the corresponding coffee button (1 cup  or 2 cups , figs. 7-11).

Once the coffee has been made, the appliance is ready to use again.



NB!

- While the machine is making coffee, delivery can be interrupted at any moment by pressing one of the coffee buttons ( or ).
- As soon as delivery is finished, to increase the quantity of coffee in the cup, just hold down one of the coffee buttons ( or ) until the required amount is reached (this must be done within three seconds after completion of delivery).
- If the coffee is delivered in drops, too fast and not creamy enough or too cold, read the tips in the "Troubleshooting" section on page 40.

Making coffee using pre-ground coffee



NB! If you use pre-ground coffee, you can only make one cup of coffee at a time.

1. Press the  button (fig. 12) repeatedly until the  light flashes.



Important!

- Never add pre-ground coffee when the machine is off or it could spread through the inside of the machine and dirty it. This could damage the appliance.
 - Never use more than one level measure or it could dirty the inside of the machine or block the funnel.
2. Put one level measure of pre-ground coffee into the funnel (fig. 13).
 3. Place a cup under the coffee spouts.
 4. Press the 1 cup coffee button  (fig. 7).



FROTHING THE MILK FOR CAPPUCCINO (AND HEATING LIQUIDS)

The steam can be used to froth milk and heat liquids.



NB! To make cappuccino, prepare the coffee in a large cup then add the frothed milk.



Important! Danger of burns When you use the steam function, steam comes out of the cappuccino maker. Take care to avoid burns.

1. Turn the cappuccino maker outwards and place a container underneath (fig. 2).
2. Press the  button. The  light comes on.



NB! To avoid residual water being mixed with the milk during frothing, you should deliver the water first. To do this, allow the water mixed with the steam to flow for a few seconds until only steam comes out.

3. Press the  button (fig. 3). The  light flashes to indicate that the machine is reaching the ideal temperature for this function. When the light goes off and the  light flashes, the appliance starts making steam immediately. Interrupt by pressing the same button again.
4. Empty the container and fill with about 100 grams of milk for each cappuccino to be prepared. In choosing the size of the container, bear in mind that the milk doubles or triples in volume. You are recommended to use semi-skimmed milk at refrigerator temperature.
5. Immerse the cappuccino maker in the milk container (fig. 14). Take care not to immerse the raised line on the cappuccino maker (shown by the arrow in fig. 14).
6. Press the  button. Steam is discharged from the cappuccino maker, giving the milk a creamy frothy appearance.



NB! To obtain a creamier froth, immerse the cappuccino maker in the milk and rotate the container with slow upward movements. You should not deliver steam for more than 3 minutes at a time.

- When the required froth is obtained, interrupt steam delivery by pressing the  button.



Important! Danger of burns

Stop steam delivery before removing the container with the frothed milk to avoid burns caused by splashes of boiling milk.

- Add the milk froth to the coffee prepared previously. The cappuccino is ready. Sweeten to taste and, if desired, sprinkle the froth with a little cocoa powder.

Cleaning the cappuccino maker after use

Clean the cappuccino maker each time you use it to avoid the build-up of milk residues or blockages.



Important! Danger of burns. When cleaning the cappuccino maker, a little hot water comes out (B5). Avoid contact with splashes of water.

- Flow off a little water or steam for a few seconds by pressing the  button. Press the button again to stop the flow of steam/hot water.
- Wait for a few minutes for the cappuccino maker to cool down, hold the handle of the cappuccino tube in one hand and with the other rotate the cappuccino maker anticlockwise (fig. 15) then remove by pulling downwards (fig. 16).
- Wash all parts of the cappuccino maker thoroughly with warm water.
- Make sure the two holes shown by the arrows in fig. 17 are not blocked.
If necessary, clean with a pin.
- Replace the inner section by inserting it carefully onto the adjustable tube, then insert the steam nozzle and turn anticlockwise to lock it in place.

HEATING WATER



Important! Danger of burns. Never leave the machine unsupervised while delivering hot water. Stop delivery of hot water as described below when the cup is full. The hot water spout becomes hot while water is being delivered and must be held by the handle only.

- Place a container under the spout (as close as possible to avoid splashes).
- Press the  button. The  light comes on.
- Press the  button (fig. 3), then interrupt by pressing the same button again or wait until the customised quantity has been delivered.



Important: You should not deliver hot water for more than 3 minutes at a time.

Customising hot water quantity

To customise the quantity, proceed as follows:

- Position a container under the spouts.
- Press and hold the  button down for at least 8 seconds.

Delivery begins and the  light flashes.

- When the hot water in the cup reaches the required level, press the  button again. The machine is now reprogrammed with the new quantity.

CLEANING AND MAINTENANCE



Danger of electric shock! Before performing any cleaning operations, the machine must be turned off and disconnected from the mains power supply. Never immerse the coffee maker in water.



Important! Danger of burns. Allow the machine to cool down before cleaning.



Important!

- Do not use solvents, abrasive detergents or alcohol to clean the coffee maker.
- None of the components can be washed in a dishwasher.
- Do not use metal objects to remove encrustations or coffee deposits as they could scratch metal or plastic surfaces.

Emptying the drip tray



Important! If the drip tray (A11) is not emptied regularly, the water could overflow from the edge and seep inside or around the machine. This could damage the machine, the surface it rests on or the surrounding area.

The drip tray has a water level indicator in the form of a red float which rises up as the level of water in the drip tray rises. Empty the drip tray before the red float protrudes from the tray (fig. 18).

To remove the tray:

1. Open the service door (fig. 19);
2. Remove the drip tray and the grounds container (Fig. 20);
3. Empty the drip tray and grounds container (A9);
4. Remove the drip tray complete with grounds container (A9);
5. Close the service door.

Cleaning the coffee maker

The following parts of the machine must be cleaned regularly:

- water tank (A7),
- drip tray (A11),
- coffee grounds container (A9),
- coffee spouts (A14) and hot water/cappuccino maker nozzle (A15),
- pre-ground coffee feed funnel (A4),
- the inside of the machine, accessible after opening the service door (A12),
- infuser (A8),

Cleaning the water tank

1. Clean the water tank (A7) regularly (about once a month) with a damp cloth and a little mild washing up liquid.
2. After washing, rinse the water tank thoroughly to remove all traces of washing up liquid.

Cleaning the drip tray

- Clean the drip tray (A11) each time you empty it using a damp cloth and a little mild washing up liquid.

Cleaning the coffee grounds container

1. Clean the grounds container (A9) each time you empty it using a damp cloth and a little mild washing up liquid.
2. Try to remove the toughest coffee encrustations with a toothpick. If this is not sufficient, soften the encrustations by soaking the grounds container in water for a few minutes.

Cleaning the spouts

1. Clean the coffee spout (A14), ideally each time you use the coffee maker, with a sponge or cloth (fig. 21).
2. Check regularly (about once a month) that the holes in the coffee spout (A14) are not blocked. If necessary, remove coffee deposits with a toothpick (fig. 22), sponge or stiff bristled kitchen brush.

Cleaning the coffee feed funnel

- Check regularly (about once a month) that the pre-ground coffee funnel is not blocked. If necessary, remove coffee deposits with a kitchen knife.

Cleaning the inside of the machine

1. Check regularly (about once a week) that the inside of the machine is not dirty. If necessary, remove coffee deposits with a toothpick, sponge or stiff bristled kitchen brush.
2. Remove the residues with a vacuum cleaner (fig. 23).

Cleaning the infuser

The infuser must be cleaned at least once a month.



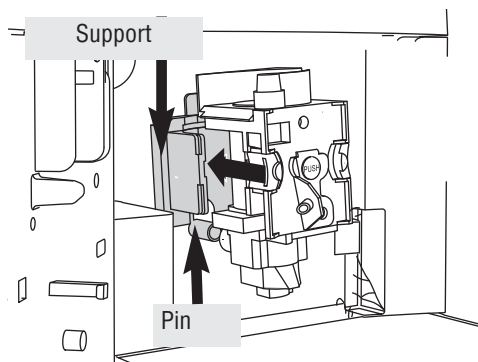
Important! The infuser (A8) may not be removed when the appliance is on. Do not attempt to use force to remove the infuser as this could damage the machine.

1. Turn the appliance off by pressing the ⓘ button. When the appliance has gone off, unplug.
2. Open the service door (fig. 19);
3. Remove the drip tray and grounds container (fig. 20);
4. Press the two red release buttons inwards and at the same time pull the infuser outwards (fig. 24).

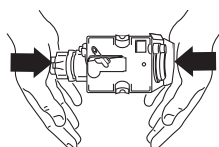


Important! Do not use washing up liquid to clean the infuser (A8). The detergent would remove the lubricant applied to the inside of the piston, causing the infuser to seize up and become unusable.

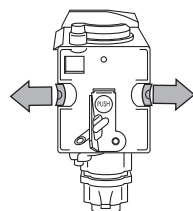
5. Soak the infuser in water for about 15 minutes, then rinse.
6. After cleaning, replace the infuser (A8) by sliding it onto the internal support and pin at the bottom, then push the PUSH symbol fully in until it clicks into place.



NB! If the infuser is difficult to insert, you must first adapt it to the right size by pressing it forcefully from the bottom and top as shown in the figure.



7. Once inserted, make sure the two red buttons have snapped out.
8. Replace the drip tray (A11) and grounds container (A9).
9. Close the service door (A12).



DESCALING

Descal the appliance when the ☼ light flashes.



Important! Descaler contains acids which may irritate the skin and eyes. It is vital to respect the manufacturer's safety warnings given on the descaler pack and the warnings relating to the procedure to follow in the event of contact with the skin and eyes.



NB! Failure to descale the appliance as described above invalidates the guarantee.

1. Turn the machine on.
2. Press the **P** button to enter the menu.
3. Turn the selector knob until the ☼ light flashes.
4. Select by pressing the **OK** /  button: The OK light flashes.
5. Press the **OK** /  button to activate the function. The ☼ light flashes and the OK light comes on.
6. Empty the water tank (A7) and remove the

water softener filter (if present).

7. Pour the descaler diluted with water (respecting the proportions indicated on the descaler bottle) into the water tank. Always use descaler recommended by De'Longhi (contact an authorised service centre).
8. Place an empty container with a minimum capacity of 1.5 litres under the cappuccino maker (A15) (fig. 2).



Important! Danger of burns. Hot water containing acid comes out of the hot water spout. Avoid contact with splashes of water.

9. Press the **OK** / button to confirm that you have added the solution and begin the descaling procedure.

The descaling programme starts and the descaler liquid comes out of the steam nozzle. The light flashes.

The descale programme automatically performs a series of rinses and pauses to remove limescale deposits from inside the machine.

10. After about 30 minutes the water tank is empty. The and **OK** lights come on and the lights flash.
11. The appliance is now ready for rinsing through with clean water.
Remove the water tank, empty, rinse under running water, fill with clean water and replace.
12. Empty the container used to collect the descaler solution and replace it under the cappuccino maker.
13. Press the **OK** / button to start rinsing.
Hot water comes out of the spout.
The lights come on.
14. When the water tank is completely empty, the and **OK** lights come on.
15. Press the button **OK** / , insert the filter (if it was present), fill the water tank and the appliance is ready for use.

SETTING WATER HARDNESS

The light is displayed after a period of time established according to water hardness.

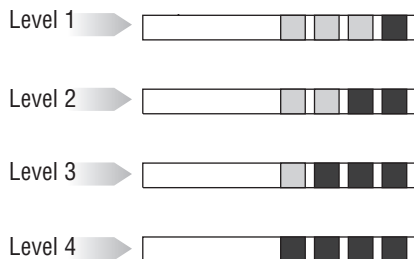
The machine is factory set for a hardness value of

4. The machine can also be programmed according to the hardness of the mains water in the various regions, varying the frequency with which the light comes on.

Measuring water hardness

1. Remove the "TOTAL HARDNESS TEST" indicator paper from its pack.
2. Immerse the paper completely in a glass of water for one second.
3. Remove the paper from the water and shake lightly.

After about a minute, 1, 2, 3, or 4 red squares form, depending on the hardness of the water. Each square corresponds to one level.



Setting water hardness

1. Press the **P** button to enter the menu;
2. Turn the selection knob until the light comes on;
3. Press the **OK** / button to confirm (or the button **ESC** to cancel the operation);
4. Turn the knob to set the water hardness measured using the indicator strip (see previous section).
 LEVEL 1;
 LEVEL 2;
 LEVEL 3;
 LEVEL 4;
5. Press the **OK** / button to confirm the selection (or the button **ESC** to cancel the operation).

The machine is now reprogrammed with the new water hardness setting.

TECHNICAL SPECIFICATION

Voltage: 220-240 V~ 50/60 Hz max. 10A

Absorbed power: 1350W

Pressure: 15 bar

Water tank capacity: 1.7 litres

Size: LxHxD: 284x374x441 mm

Weight: 11,4 Kg



The appliance complies with the following EC directives:

- Low Voltage Directive 2006/95/EC;
- EMC Directive 89/336/EEC and subsequent amendments 92/31/EEC and 93/68/EEC.

Materials and accessories coming into contact with food conform to EEC directive 1935/2004.

DISPOSAL



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.

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EXPLANATION OF LIGHTS

LIGHT	POSSIBLE CAUSE	REMEDY
	The water tank is empty or positioned incorrectly.	Fill the tank with water and/or insert it correctly, pushing it as far as it will go until it clicks into place.
   FLASH ALTERNATING WITH...  OK > FLASHES	- The grinding is too fine and the coffee is delivered too slowly. - The machine is not able to make coffee.	- Repeat coffee delivery and turn the grinding adjustment knob one click clockwise towards "7" while the coffee mill is in operation. - Press the  button and deliver water from the spout for a few seconds.
 FLASHES	The grounds container (A9) is full.	Empty the grounds container and clean, then replace. Important: when removing the drip tray, the grounds container MUST be emptied, even if it is not completely full. If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.
	After cleaning, the grounds container has not been replaced.	Open the service door and insert the grounds container.
  FLASHES	The "pre-ground coffee" function has been selected without placing any pre-ground coffee in the funnel.	Add the pre-ground coffee to the funnel or select the "coffee beans" function.

LIGHT	POSSIBLE CAUSE	REMEDY
 FLASHES	This indicates the presence of limescale in the machine.	The descaling procedure described in the "Descaling" section needs to be performed as soon as possible.
    FLASHES	- The ground coffee funnel is clogged. - Too many coffee beans or too much pre-ground coffee has been added.	- Empty the funnel with the help of a knife, as described in the section "Cleaning the funnel to add coffee". - Select a milder taste or reduce the quantity of pre-ground coffee, then deliver the coffee again.
  FLASHES	The coffee beans have run out.	Fill bean container
 FLASHES	The infuser has not been replaced after cleaning.	Insert the infuser as described in the section "Cleaning the infuser".
 FLASHES	- The service door is open - The inside of the appliance is very dirty.	- Close the service door. - Clean the inside of the appliance thoroughly, as described in the section "Cleaning and maintenance". If the message is still displayed after cleaning, contact a service centre.
 FLASHES	The filter is exhausted.	Replace the filter as shown in the instructions on page 30.

TROUBLESHOOTING

Below is a list of some of the possible malfunctions.

If the problem cannot be resolved as described, contact a technical service centre.

LIGHT	POSSIBLE CAUSE	REMEDY
The coffee is not hot	- The cups have not been preheated. - The infuser has cooled down because 2/3 minutes have elapsed since the last coffee was made.	- Heat the cups by rinsing them in hot water or leaving them to rest for at least 20 minutes on the cup warmer shelf. - Before making the coffee, heat the infuser by pressing the manual rinse button (page 29).
The coffee is not creamy enough	- The coffee is ground too coarsely - Wrong type of coffee	- Turn the grinding adjustment knob one click anti-clockwise towards "1" while the coffee mill is in operation (fig. 8). - Use a type of coffee for espresso coffee makers
The coffee is delivered too slowly or a drop at a time.	The coffee is ground too finely.	Turn the grinding adjustment knob one click clockwise towards "7" while the coffee mill is in operation (fig. 8). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering two coffees.
The coffee is delivered too quickly.	The coffee is ground too coarsely.	Turn the grinding adjustment knob one click anti-clockwise towards "1" while the coffee mill is in operation (fig. 8). Avoid turning the grinding coarseness regulator excessively otherwise when you select 2 cups, the coffee may be delivered a drop at a time. The effect is only visible after delivering two coffees.

LIGHT	POSSIBLE CAUSE	REMEDY
Coffee does not come out of one of the spouts.	The spouts are blocked.	If necessary, remove coffee deposits with a toothpick (fig. 22), sponge or stiff bristled kitchen brush.
The coffee does not come out of the spouts, but from around the service door (A12).	- The holes in the spouts are clogged with dry coffee dust. - The coffee guide (A13) inside the service door is blocked and cannot swing.	- If necessary, remove coffee deposits with a toothpick, sponge or stiff bristled kitchen brush (fig. 21/22). - Thoroughly clean the coffee guide (A13), particularly near the hinges.
Water comes out of the spouts instead of coffee.	The ground coffee may be blocked in the funnel (A4).	Clean the funnel (A4) with a wooden or plastic fork, clean the inside of the machine.
The milk has big bubbles	The milk is not cold enough or is not semi-skimmed.	You should ideally use skimmed or semi-skimmed milk at refrigerator temperature (about 5°C). If the result is still disappointing, try another brand of milk.
The milk is not frothed	Cappuccino maker dirty.	Clean as described in the section "Cleaning the cappuccino maker after use".
Steam delivery stops	A safety device stops steam delivery after 3 minutes.	Wait, then activate the steam function again.
The appliance does not come on.	- It is not plugged into the mains socket. - The main switch is not turned on.	- Plug into the mains socket. - Place the main switch in the I position (fig. 27).