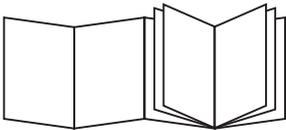

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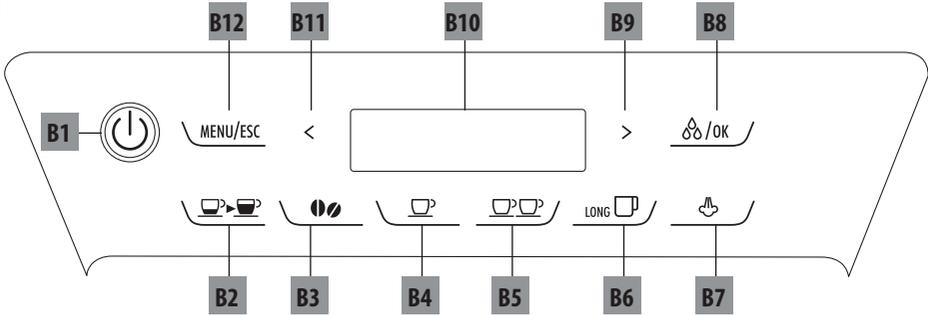
BEAN TO CUP ESPRESSO
AND CAPPUCCINO
MACHINE
Instruction for use



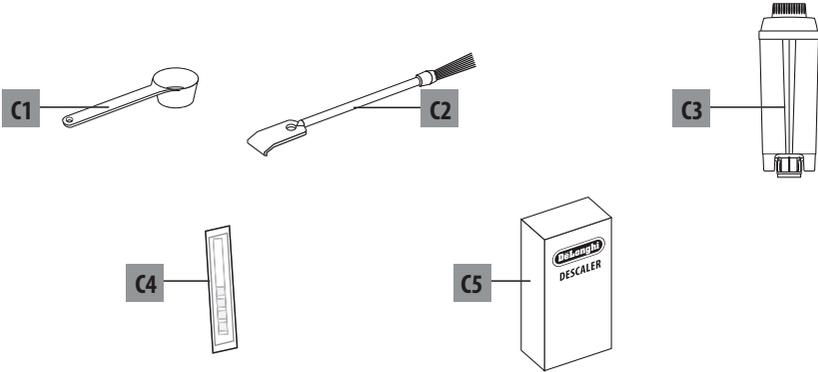
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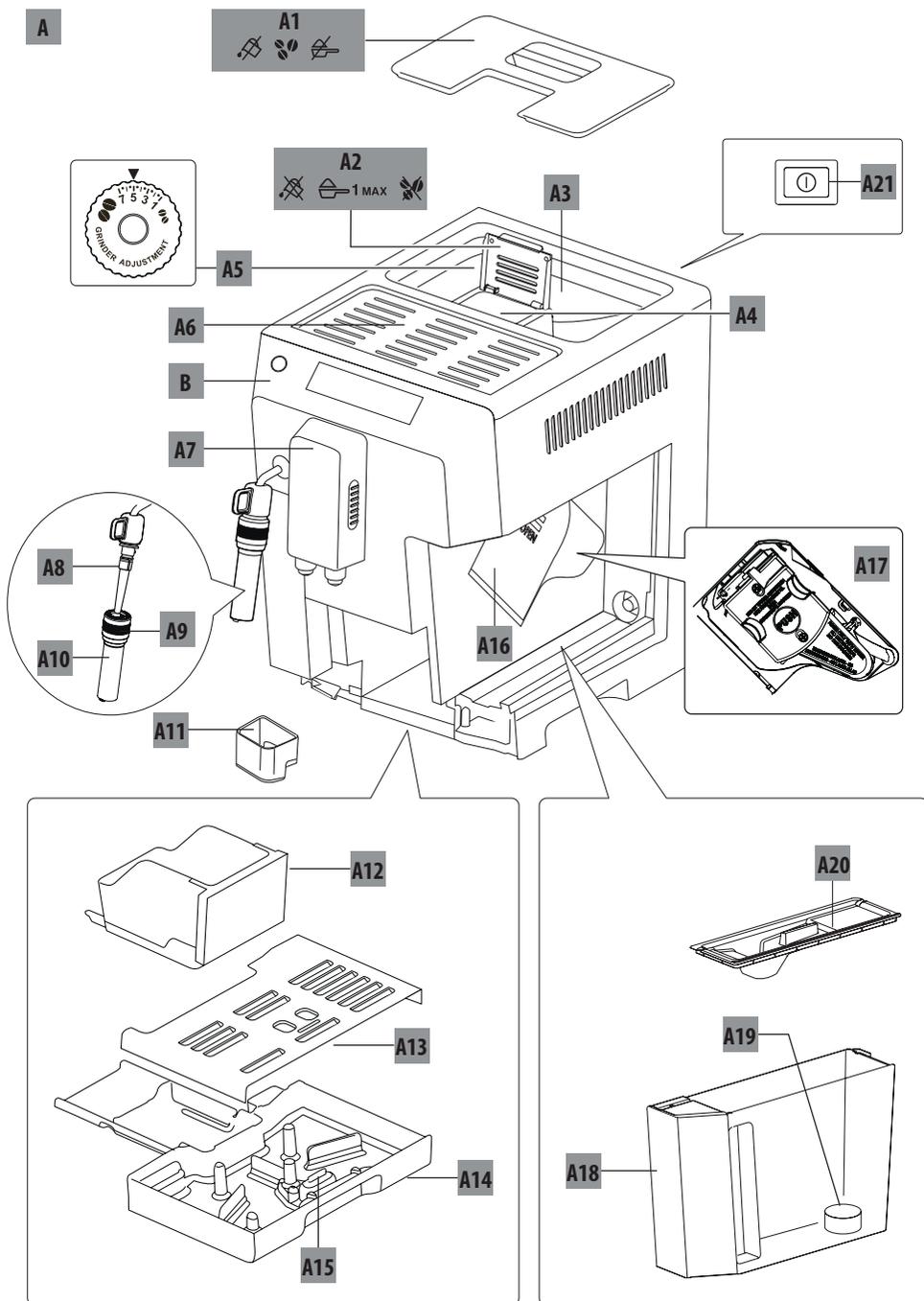


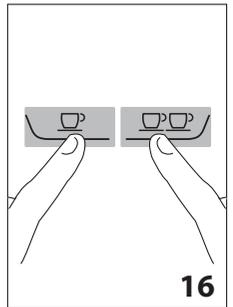
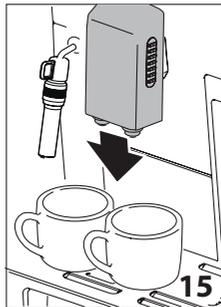
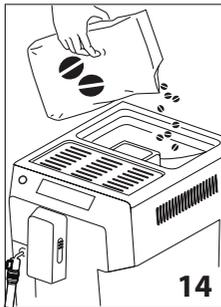
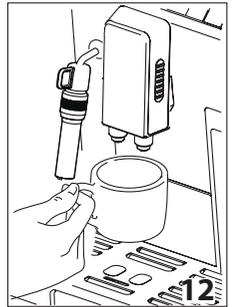
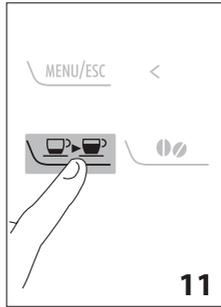
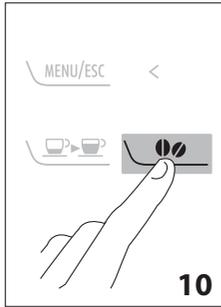
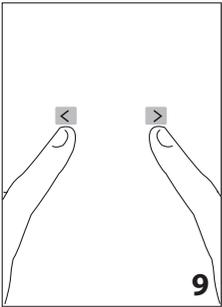
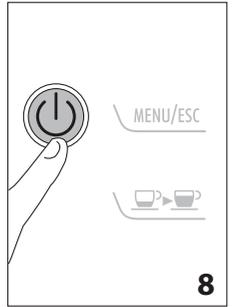
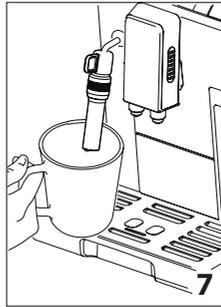
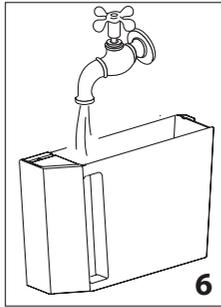
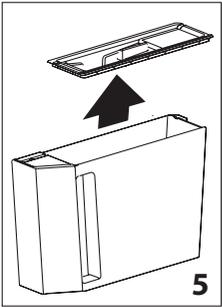
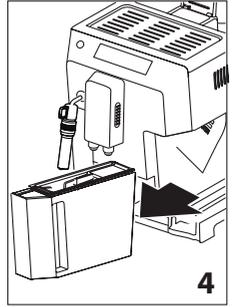
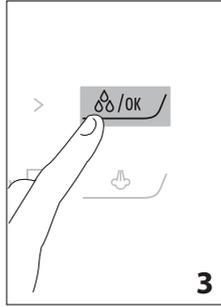
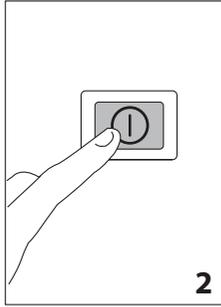
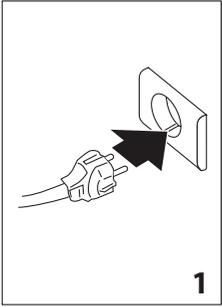
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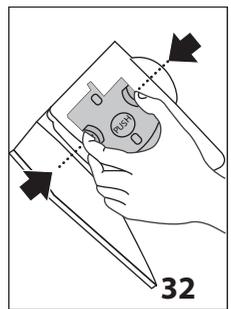
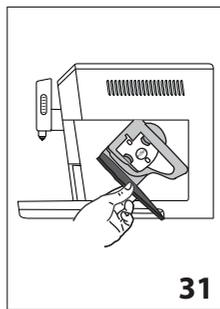
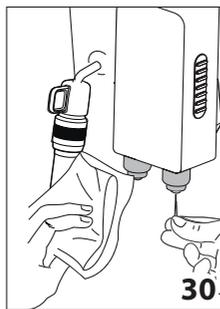
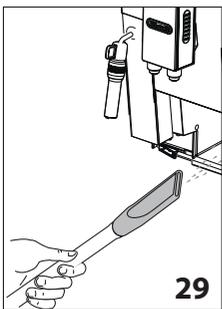
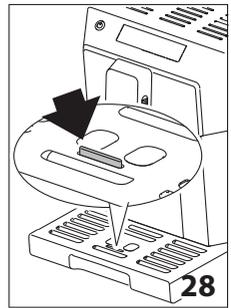
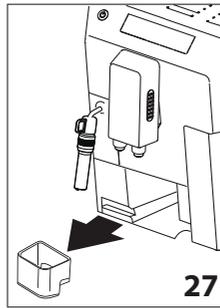
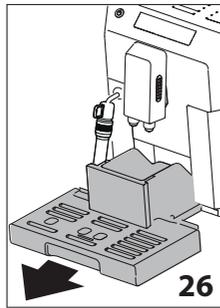
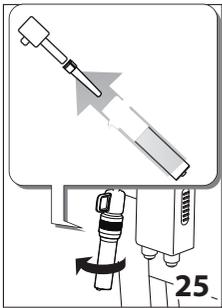
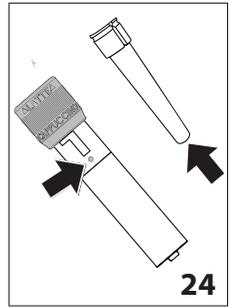
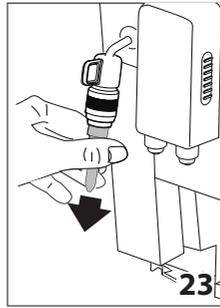
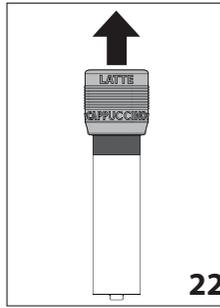
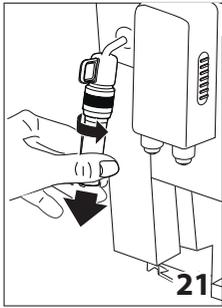
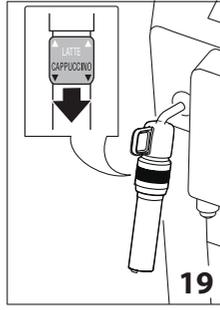
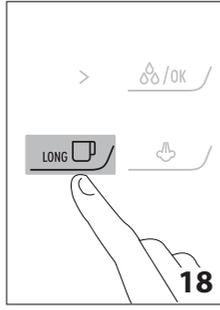
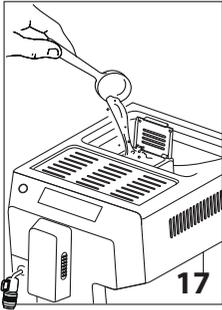


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INTRODUCTION

Thank you for choosing this automatic espresso and cappuccino machine.

We hope you enjoy using your new appliance.

Take a few minutes to read this Instruction for Use.

This will avoid all risks and damage to the appliance.

Symbols used in these instructions

Important warnings are identified by these symbols.

It is vital to respect these warnings.



Danger!

Failure to observe the warning may result in life threatening injury by 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 burns or scalding.



Please note:

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 pages 2 and 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 19 and "Troubleshooting" on page 20.

If this does not resolve the problem or you require further information, you should consult Customer Services by calling the number given on the annexed "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 De'Longhi Customer Services 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 cause electric shock.

You should therefore follow these safety warnings:

- Never touch the appliance with damp hands or feet.
- 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, 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 Customer Services.

If the plug or power cable is damaged, it must be replaced by De'Longhi Customer Services only to avoid all risk.

Never immerse the appliance in water when cleaning. It is an electrical appliance.

- Before cleaning the outside of the appliance, turn it off, unplug from the mains socket and allow to cool.



Important:

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

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they

have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.

Children shall not play with the appliance.

Cleaning and user maintenance shall not be made by children without supervision.



Danger 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, as it is hot.



Surfaces marked with this symbol become hot during use (the symbol is present on certain models only).

Designated use

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

This is a household appliance only.

It is not intended to be used in:

- staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments.

Any other use is considered improper and thus dangerous.

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

Instruction for Use

Read these instructions carefully before using the appliance. 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 this Instruction for Use.



Please note:

Keep this Instruction for Use.

If the appliance is passed to other persons, they must also be provided with this Instruction for Use.

DESCRIPTION

Description of the appliance

(page 3 - A)

- A1. Beans container lid
- A2. Pre-ground coffee funnel lid
- A3. Beans container
- A4. Pre-ground coffee funnel
- A5. Grinding adjustment dial
- A6. Cup warmer shelf
- A7. Coffee spout (adjustable height)
- A8. Hot water and steam connection nozzle
- A9. Cappuccino/hot milk ring
- A10. Cappuccino maker
- A11. Condensate tray
- A12. Coffee grounds container
- A13. Cup tray
- A14. Drip tray
- A15. Drip tray water level indicator
- A16. Infuser door
- A17. Infuser

- A18. Water tank
- A19. Water softener filter housing
- A20. Water tank lid
- A21. Main switch

Description of the control panel

(page 2 - B)

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

- B1.  button: turns the appliance on and off (standby).
- B2.  button: to select coffee quantity
- B3.  aroma selection button: press to select coffee taste
- B4.  button: to make 1 cup of coffee with the settings displayed
- B5.  button: to make 2 cups of coffee with the settings displayed
- B6.  button: to make 1 cup of LONG coffee
- B7.  button: to deliver steam
- B8.  /OK button: to deliver hot water (When in the settings menu: to enable and confirm the function selected)
- B9. > button: to scroll through the menu items
- B10. Display: guides the user in using the appliance.
- B11. < button: to scroll through the menu items
- B12. MENU/ESC button to access the menu (in the settings menu: press to exit the menu)

Description of the accessories

(page 2 - C)

- C1. Pre-ground coffee measure
- C2. Cleaning brush
- C3. Water softener filter (certain models only)
- C4. "Total Hardness Test" indicator strip
- C5. Descaler

BEFORE USE

Checking the appliance

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 De'Longhi Customer Services.

Installing the appliance



Important!

When you install the appliance, you should respect the following safety warnings:

- The appliance gives off heat. After positioning the appliance on the worktop, leave a space of at least 3 cm between the surfaces of the appliance and the side and rear walls and at least 15 cm above the coffee 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.

Setting up the appliance



Please note!

- 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 Instruction for use in the section "Setting water hardness" on page 16.
1. Connect the appliance to the mains electricity supply (fig. 1) and make sure the main switch at the back of the appliance is pressed down (fig. 2).

You must first choose the language by moving backwards and forwards with the < or > button, or waiting until the languages scroll through on the display at intervals of about 3 seconds:

2. When "English" appears, hold the  /OK button (fig. 3) for a few seconds until "English set" is displayed.

Follow the instructions indicated on the appliance display:

3. "FILL TANK": extract the water tank (fig. 4), open the lid (fig. 5), fill to the MAX line with fresh water (fig. 6); close the lid again and then replace the tank.
4. "HOT WATER, Press OK": place a container with a minimum capacity of 100ml under the cappuccino maker (fig. 7).
5. Press the  /OK button to confirm (fig. 3). The appliance delivers water from the spout then goes off automatically.

The coffee machine is now ready for normal use.



Please note!

- When using the appliance for the first time, you need to make 4-5 cups of coffee or 4-5 cappuccinos before it starts to give satisfactory results.
- To enjoy your coffee even more and improve the performance of your appliance, we recommend installing a water softener filter as described in the section "WATER SOFTENER FILTER" (page 17). If your model is not provided with a filter, you can request one from De'Longhi Customer Services.

TURNING THE APPLIANCE ON



Please note!

Before turning the appliance on, make sure the main switch is pressed (fig. 2).

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 comes out of the coffee spouts and is collected in the drip tray underneath.

Avoid contact with splashes of water.

- To turn the appliance on, press the  button (fig. 8).
The message "Heating up, Please wait" is displayed.
After heating, the message "RINSING" is displayed. As well as heating the boiler, the appliance also heats the internal circuits by circulating hot water.
The appliance is at temperature when the message indicating the taste and quantity of coffee appears.

TURNING THE APPLIANCE OFF

Whenever the coffee machine is turned off after being used to make coffee, it performs an automatic rinse cycle.



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. 8).
- The message "Turning off, Please wait" is displayed: if featured, the appliance completes a rinse cycle and then goes off (standby).



Please note!

If you will not be using the appliance for some time, unplug from the mains socket:

- first turn the appliance off by pressing the  button (fig. 8);

- release the main switch at the back of the appliance (fig. 2).



Important!

Never press the main switch while the appliance is on.

MENU SETTINGS

When you access the settings menu by pressing the MENU/ESC button, scroll the menu items by pressing < or > (fig. 9).

Rinsing

Use this function to deliver hot water from the spout to heat the internal circuit and make the coffee delivered hotter.

To enable the function, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Rinsing" is displayed;
3. Press the  button: "Confirm?" will be displayed.
4. Press the  button (fig. 3): after a few seconds, hot water flows out of the spout, heating the internal circuit and making the coffee delivered hotter.



Please note!

Press any button to stop hot water delivery at any time.

Descaling

For instructions on descaling, see page 16.

Install filter

For instructions on how to install the filter, see the section "Water softener filter" (page 17).

Replacing the filter (if installed)

For instructions on how to replace the filter, see the section "Replacing the filter" (page 10).

Adjust time

To adjust the time on the display, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Adjust time" is displayed;
3. Press the  button (fig. 3): the hours flash;
4. Press < or > (fig. 9) to change the hours;
5. Press the  button to confirm: the minutes flash;
6. Press < or > (fig. 9) to change the minutes;
7. Press the  button to confirm.

This sets the time. Press the MENU/ESC button to exit the menu.

Auto-start

You can set the auto-start time in order to have the appliance ready at a certain time (for example in the morning) so you can make coffee immediately.



Please note!

To enable this function, the time must already be set correctly.

To enable auto-start, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Auto-start" is displayed;
3. Press the  button. "Enable?" is displayed;
4. Press the  button to confirm;
5. Press < or > to choose the hours;
6. Press the  button to confirm;
7. Press < or > (fig. 9) to change the minutes;
8. Press the  button to confirm;
9. Then press the MENU/ESC button to exit the menu.

Once the time has been confirmed, activation of auto-start is indicated by the symbol  displayed under the menu item and alongside the time.

To disable the function:

1. Select auto-start from the menu;
2. Press the  button. "Disable?" is displayed;
3. Press the  button to confirm.

The  symbol is no longer displayed.

Auto-Off (standby)

Auto-off mode can be set, so that the appliance switches off when not used for 15 or 30 minutes, or 1, 2 or 3 hours.

To programme Auto-off, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Auto-off" is displayed;
3. Press the  button;
4. Press < or > (fig. 9) until the required operating time (15 or 30 minutes, or 1, 2 or 3 hours) is displayed;
5. Press the  button to confirm;
6. Then press the MENU/ESC button to exit the menu.

Auto-off is programmed.

Energy saving

Use this function to enable or disable energy saving.

When enabled, the function reduces energy consumption in compliance with European regulations.

To disable (or enable) energy saving, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Energy saving" is displayed;
3. Press the  button. "Disable?" is displayed (or "Enable?" if the function has been disabled);
4. Press the  button to disable (or enable) energy saving mode;
5. Then press the MENU/ESC button to exit the menu.

When the function is active, if the machine is not used for some time, "Energy saving" is displayed.



Please note!

- When in energy saving mode, a few seconds may elapse before the first coffee is delivered as the appliance must heat up again.
- To prepare any drink, press any button to exit energy saving, then press the button corresponding to the drink you want to make.

Setting the temperature

To modify the temperature of the water used to make the coffee, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Set temperature" is displayed;
3. Press the button;
4. Press < or > until the required temperature (●=low; ●●●●=maximum) is displayed;
5. Press the button to confirm;
6. Then press the MENU/ESC button to exit the menu.

Setting water hardness

For instructions on setting water hardness, see page 17.

Setting the language

To modify the language of the display, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Set language" is displayed;
3. Press the button;
4. Press < or > until the required language is displayed;
5. Press the button to confirm;
6. A message confirming the language installed is displayed;
7. Then press the MENU/ESC button to exit the menu.

Beep

This enables or disables the beep emitted by the appliance whenever a button is pressed or an accessory is inserted/removed.

To disable or re-enable the beep, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Beep" is displayed.
3. Press the button: "Disable?" is displayed (or "Enable?" if disabled);
4. Press the button to enable or disable the beep;
5. Press the MENU/ESC button to exit the menu.

Default values (reset)

This resets all menu settings and programmed quantities back to the default values (with the exception of the language which remains as set).

To reset the default values, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Default values" is displayed;
3. Press the button;
4. "Confirm?" is displayed;
5. Press the button to confirm and exit.

Statistics function

This displays statistics relating to the machine.

To display, proceed as follows:

1. Press the MENU/ESC button to enter the menu;
2. Press < or > (fig. 9) until "Statistics" is displayed;
3. Press the button;
4. Press < or > (fig. 9) to verify:
 - how many coffees have been made;
 - the total number of litres of water delivered.
 - how many times the machine has been descaled.
 - how many times the water softener filter has been replaced.
5. Press the MENU/ESC button twice to exit the menu.

MAKING COFFEE

Selecting the coffee taste

The appliance is set by default 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. 10) repeatedly until the required taste is displayed.

Selecting the quantity of coffee in the cup

The appliance is set by default to make a standard quantity of coffee. To select the quantity of coffee, press the button (fig. 11) until the message corresponding to the required quantity of coffee is displayed:

Coffee selected	Quantity in cup (ml)
MY COFFEE	Programmable: from ≈20 to ≈180
SHORT	≈40
STANDARD	≈60
LONG	≈90
EXTRA LONG COFFEE	≈120

Customising the “my coffee” quantity

The appliance is set by default to automatically deliver 30 ml of “MY COFFEE”.

To modify this quantity, proceed as follows:

1. Place a cup under the coffee spouts (fig. 12).
2. Press the  button (fig. 12) until “MY COFFEE” is displayed.
3. Keep the  button (fig. 16) pressed until the message “1 MY COFFEE Program quantity” is displayed and coffee delivery begins. Release the button.
4. As soon as the coffee in the cup reaches the required level, press the  button (fig. 16) again.

The quantity of coffee in the cup set has now been programmed.

Adjusting the coffee mill

The coffee mill is set by default to prepare coffee correctly and should not require regulating initially.

However, if after making the first few coffees you find that the coffee is either too weak and not creamy enough or delivery is too slow (a drop at a time), this can be corrected by adjusting the grinding adjustment dial (fig. 13).

Please note!

The grinding adjustment dial must only be turned when the coffee mill is in operation.



If the coffee is delivered too slowly or not at all, turn one click clockwise towards “7”.

For fuller bodied creamier coffee, turn one click anticlockwise towards “1” (do not turn more than one click at a time otherwise the coffee could be delivered

a drop at a time).

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

If this adjustment does not obtain the desired result, turn the dial another click.

Tips for a hotter coffee

For hotter coffee, you should:

- perform a rinse cycle, selecting the “Rinsing” function in the settings menu (page 10).
- warm the cups by rinsing them with hot water (using the hot water function);
- increase the coffee temperature in the settings menu (page 11).

Making 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.

1. Fill the container with coffee beans (fig. 14).
2. Place under the coffee spouts:
 - 1 cup, if you want to make 1 coffee (fig. 12);
 - 2 cups if you want 2 coffees (fig. 15).
3. Lower the spout as near as possible to the cups (fig. 15). This makes a creamier coffee.
4. Press the button corresponding to the number of coffees required (1 cup  or 2 cups ).
5. Preparation begins. The amount of coffee selected is displayed together with a progress bar which gradually fills as preparation progresses.

Please note:

- While the machine is making coffee, delivery can be interrupted at any moment by pressing any button.
- At the end of delivery, to increase the quantity of coffee in the cup, just press (within 3 seconds) one of the coffee buttons ( or ) (fig. 16).

Once the coffee has been made, the appliance is ready to make the next drink.

Please note!

- Various alarm messages could be displayed while using the machine (FILL TANK, EMPTY GROUNDS CONTAINER, etc.). Their meaning is explained in the section “Displayed messages” (page 19).
- For hotter coffee, see the section “Tips for a hotter coffee” (page 12).
- If the coffee is delivered a drop at a time, too weak and not creamy enough or too cold, read the tips in the “Troubleshooting” section on page 20.

Making coffee using pre-ground coffee

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.

Please note!

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

1. Press the  button (fig. 10) repeatedly until “Pre-ground” is displayed.

- Open the pre-ground coffee funnel lid.
- Make sure the funnel is not blocked, then add one level measure of pre-ground coffee (fig. 17).
- Place a cup under the coffee spouts.
- Press the 1 cup button .
- Preparation begins. The amount of coffee selected is displayed together with a progress bar which gradually fills as preparation progresses.

i Please note!

If “Energy saving” mode is active, you may have to wait a few seconds before the first coffee is delivered.

Making LONG coffee using coffee beans

Follow the instructions in the section “Making coffee using coffee beans” to prepare the machine, then press the LONG  button.

Making LONG coffee using pre-ground coffee

Follow the instructions in points 1, 2, 3 and 4 of the section “Making coffee using pre-ground coffee”, then press the LONG  button.

The appliance starts making coffee and displays a progress bar. Halfway through preparation, the message “ADD PRE-GROUND COFFEE, Press OK” appears.

Add one level measure of pre-ground coffee and press OK. Preparation resumes and the appliance displays a progress bar which fills gradually as preparation proceeds.

Customising the “LONG coffee” quantity

The appliance is set by default to automatically deliver about 200ml of LONG coffee.

To modify these settings, proceed as follows:

- Place a sufficiently large cup or glass under the coffee spouts (fig. 9).
- Press and hold the LONG  button (fig. 17) until “LONG COFFEE FUNCTION”/“Program quantity” is displayed.
- Press the LONG  button. The appliance starts delivering coffee;
- As soon as the coffee in the cup reaches the required level, press the LONG  button (fig. 17) again.

The quantity of coffee in the cup has now been programmed.

i Please note!

If the programme uses pre-ground coffee, the appliance will prompt you to add a second level measure of coffee.

MAKING CAPPUCCINO AND HOT MILK (NOT FROTHED)

⚠ Danger of burns!

During preparation, steam is given off. Take care to avoid scalds.

- When preparing cappuccino, make the coffee in a large cup;
- Fill a container (preferably one with a handle to avoid scalding) with about 100 grams of milk for each cappuccino. In choosing the size of the container, bear in mind that the milk doubles or triples in volume;

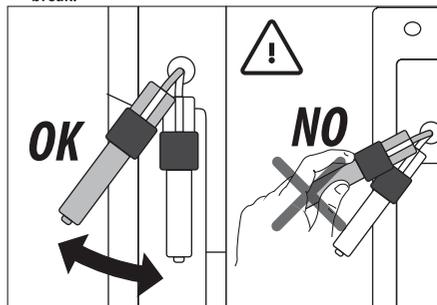
i Please note :

For a richer denser froth, use skimmed or partially skimmed milk at refrigerator temperature (about 5°C). To avoid milk with poor froth or large bubbles, always clean the cappuccino maker as described in the section “Cleaning the cappuccino maker after use”.

- Make sure the cappuccino/hot milk ring is positioned downwards in the “CAPPUCCINO” position (fig. 19);
- The cappuccino maker can be turned slightly outwards to allow containers of any size to be used.

⚠ Important!

Never use force to turn the cappuccino maker. It could break!



- Immerse the cappuccino maker in the milk container. Never immerse the black ring;
- Press the  button. “STEAM” is displayed;
- After a few seconds, steam is delivered from the cappuccino maker, giving the milk a creamy frothy appearance and making it more voluminous (fig. 20);
- For a creamier froth, rotate the container with slow movements in an upward direction. (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.

Danger of burns!

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

9. 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.

Please note!

If “Energy saving” is active, you may have to wait a few seconds before steam is delivered.

Making hot milk (not frothed)

To make hot milk without froth, proceed as described in the above section, making sure the cappuccino/hot milk ring on the cappuccino maker is positioned upwards in the “HOT MILK” position.

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.

Danger of burns!

When cleaning the cappuccino maker, a little hot water is delivered. Avoid contact with splashes of water.

1. Deliver a little water by pressing the  button. Press the same button again to stop the flow of hot water.
2. Wait a few minutes for the cappuccino maker to cool down. Turn counter clockwise the cappuccino maker downwards to remove it (fig. 21).
3. Move the cappuccino/hot milk ring upwards (fig. 22).
4. Slide the nozzle downwards (fig. 23).
5. Make sure the two holes shown by the arrows in fig. 24 are not blocked. If necessary, clean with a pin.
6. Replace the nozzle, move the ring downwards and put the cappuccino maker back on the nozzle (fig. 25), turning it clockwise and pushing it upwards until it is attached.

DELIVERING HOT WATER

Important! Danger of burns.

Never leave the machine unsupervised while delivering hot water.

The hot water spout becomes hot while water is being delivered and must be held by the handle or black ring only.

1. Place a container under the spout (as close as possible to avoid splashes).

2. Press the  button (fig. 3). “HOT WATER” is displayed, together with a progress bar which fills gradually as preparation proceeds.
4. The machine delivers 250 ml of hot water, then delivery stops automatically. To interrupt delivery of hot water manually, press the  button again.

Please note!

If “Energy saving” is active, you may have to wait a few seconds before hot water and steam are delivered.

Changing the quantity of water delivered automatically.

The machine is set by default to automatically deliver 250 ml of hot water. To modify these quantities, proceed as follows:

1. Position a container under the spout.
2. Press and hold the  button until “Hot water Program quantity” is displayed, then release the .
3. 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

Cleaning the machine

The following parts of the machine must be cleaned regularly:

- coffee grounds container (A12),
- drip tray (A14),
- water tank (A18),
- coffee spouts (A7),
- cappuccino maker (A8)
- pre-ground coffee funnel (A4),
- the infuser (A17), accessible after opening the service door (A16),
- control panel (B)

Important!

- Do not use solvents, abrasive detergents or alcohol to clean the appliance.
With De’Longhi superautomatic coffee machines, you need not use chemical products to clean the machine.
- Do not use metal objects to remove encrustations or coffee deposits as they could scratch metal or plastic surfaces.

Cleaning the coffee grounds container

When “EMPTY GROUNDS CONTAINER” is displayed, the grounds container must be emptied and cleaned.

Until the grounds container has been cleaned, the appliance will not make coffee.

Even if not full, the empty grounds container message is displayed 72 hours after the first coffee has been prepared. For the 72 hours to be calculated correctly, the machine must never be turned off using the main switch.

To clean (with the machine on):

- Extract the drip tray (fig. 26), empty and clean.
- Empty the grounds container and clean thoroughly to remove all residues left on the bottom. This can be done with the spatula on the brush provided.
- Check the condensate tray and empty if necessary (fig. 27).

Important!

When removing the drip tray, the grounds container must be emptied, even if it contains few grounds.

If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.

Cleaning the drip tray and condensate tray

Important!

The drip tray is fitted with a level indicator (red) showing the level of water it contains (fig. 28).

Before the indicator protrudes from the cup tray, the drip tray must be emptied and cleaned, otherwise the water may overflow the edge and damage the appliance, the surface it rests on or the surrounding area.

To remove the drip tray:

1. Extract the drip tray and grounds container (fig. 26);
2. Empty the drip tray and grounds container and wash them;
3. Check the condensate tray and empty if necessary.
4. Replace the drip tray complete with grounds container.

Cleaning the inside of the coffee machine

Danger of electric shock!

Before cleaning internal parts, the machine must be turned off (see "Turning off") and unplugged from the mains power supply. Never immerse the coffee machine in water.

1. Check regularly (about once a week) that the inside of the appliance (accessible after removing the drip tray) is not dirty. If necessary, remove coffee deposits with the brush supplied and a sponge.
2. Remove the residues with a vacuum cleaner (fig. 29).

Cleaning the water tank

1. Clean the water tank (A18) regularly (about once a month and whenever you replace the water softener filter (if present) with a damp cloth and a little mild washing up liquid.
2. Remove the filter (if present) and rinse with running water.

3. Replace the filter (if present), fill the tank with fresh water and replace the tank.

Cleaning the coffee spouts

1. Clean the coffee spouts regularly with a sponge or cloth (fig. 30).
2. Check the holes in the coffee spout are not blocked. If necessary, remove coffee deposits with a toothpick (fig. 30).

Cleaning the pre-ground coffee funnel

Check regularly (about once a month) that the pre-ground coffee funnel (A4) is not blocked.

If necessary, remove coffee deposits with the brush (D2) supplied.

Cleaning the infuser

The infuser (A15) must be cleaned at least once a month.

Important!

The infuser may not be extracted when the machine is on.

1. Make sure the machine is correctly turned off (see "Turning off" on page 9).
2. Extract the water tank (fig. 4).
3. Open the infuser door (fig. 31) on the right side of the appliance.
4. Press the two red release buttons inwards and at the same time pull the infuser outwards (fig. 32).
5. Soak the infuser in water for about 5 minutes, then rinse under the tap.

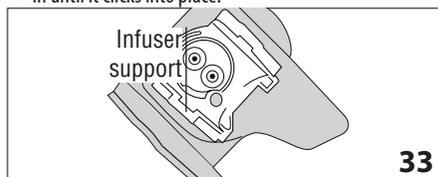
Important!

RINSE WITH WATER ONLY

NO WASHING UP LIQUID - NO DISH WASHER

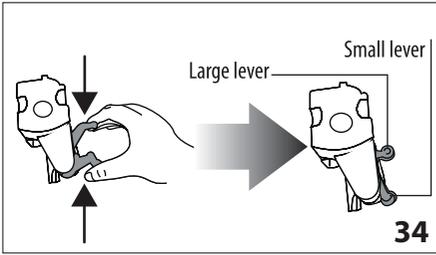
Clean the infuser without using washing up liquid as it could be damaged.

6. Use the brush (C2) to remove any coffee residues left in the infuser housing, visible through the infuser door.
7. After cleaning, replace the infuser by sliding it onto the internal support (fig. 33), then push the PUSH symbol fully in until it clicks into place.

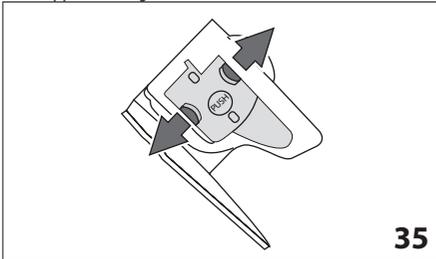


Please note!

If the infuser is difficult to insert, before insertion, adapt it to the right size by pressing the two levers shown in fig. 34.



8. Once inserted, make sure the two red buttons have snapped out (fig. 35).



9. Close the infuser door.
10. Replace the water tank.

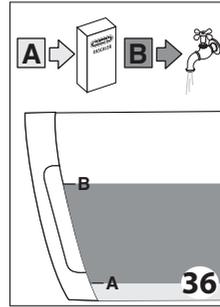
DESCALING

Descale the machine when the message "DESCALE" flashes on the display.

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.
- You should use De'Longhi descaler only. Using unsuitable descaler and/or performing descaling incorrectly may result in faults not covered by the manufacturer's guarantee.

1. Turn the machine on.
2. Press the MENU/ESC button to enter the menu.
3. Press < or > until "Descal" is displayed.
4. Select by pressing the button: Confirm? is displayed. Press the button to confirm.
5. "EMPTY THE DRIP TRAY" is displayed, alternating with "REMOVE FILTER" (if the filter is featured) and "ADD DESCALER, PRESS OK".
6. Empty the water tank (A18) completely and remove the water softener filter (if present). Empty the drip tray (fig. 26) and grounds container, then put them back in the appliance.



7. Pour the descaler into the tank up to level A (corresponding to a 100 ml pack) marked on the back of the tank (fig. 36), then add water (1 litre) up to level B (fig. 36) and put the water tank back.
8. Place an empty container with a minimum capacity of 1.5 litres under the hot water spout (fig. 7).

Important! Danger of burns

Hot water containing acid flows out of the hot water spout. Avoid contact with splashes of water.

9. Press the button to confirm that you have added the solution. The descale programme automatically performs a series of rinses and pauses to remove limescale deposits from inside the machine. "Descal underway" is displayed. The descale programme starts, and descaler comes out of the water spout.

After about 30 minutes, the message "RINSING, INSERT FILTER" (if removed previously) is displayed, alternating with "FILL TANK".

10. The appliance is now ready for rinsing through with clean water. Extract the water tank, empty, rinse under running water, fill with clean water up to the MAX level, insert the filter (if removed previously) and put the water tank back in the machine. "RINSING, Press OK" is displayed.
11. Empty the container used to collect the descaler solution and replace it empty under the hot water spout.
12. Press the button to start rinsing. Hot water flows out of the spout and the message "RINSING, Please wait" is displayed.
13. When the water tank is completely empty, the message "Rinsing complete, Press OK" is displayed.
14. Press the button.
15. "Heating up Please wait" is displayed, at the end of which the machine will be ready for use.

SETTING WATER HARDNESS

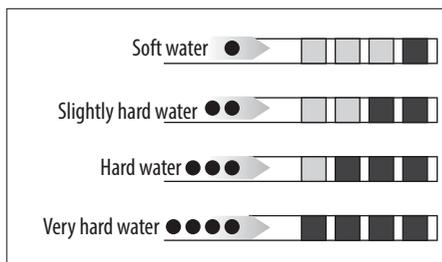
The DESCAL message is displayed after a period of time established according to water hardness.

The machine is set by default for a hardness value of 4.

The machine can also be programmed according to the hardness of the mains water in the various regions so that the machine needs to be descaled less often.

Measuring water hardness

1. Remove the "TOTAL HARDNESS TEST" indicator paper from its pack (attached to the English instructions).
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

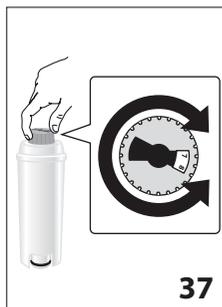
1. Press the MENU/ESC button to enter the menu.
2. Press < or > to select "Water hardness".
3. Press the $\delta\delta$ /OK button to confirm the selection.
4. Press < or > and set the hardness level as measured by the indicator strip (see the fig. in the previous paragraph).
5. Press the $\delta\delta$ /OK button to confirm the setting.
6. Press the MENU/ESC button to exit the menu.

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

WATER SOFTENER FILTER

Certain models are fitted with a water softener filter. If this is not the case with your model, you are recommended to purchase one from De'Longhi Customer Services. To use the filter correctly, follow the instructions below.

Installing the filter



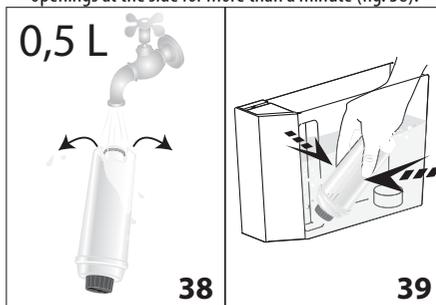
1. Remove the filter from the packaging.
2. Turn the date indicator disk (fig. 37) until the next two months of use are displayed.

i Please note

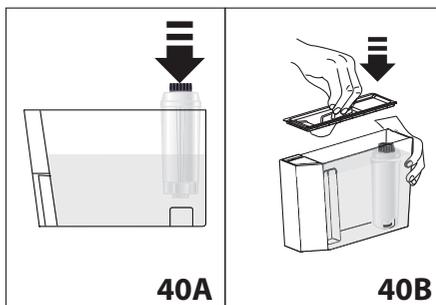
The filter lasts about two months if the appliance is used normally. If the coffee machine

is left unused with the filter installed, it will last a maximum of three weeks.

3. To activate the filter, run tap water through the hole in the filter as shown in the figure until water comes out of the openings at the side for more than a minute (fig. 38).



4. Extract the tank from the appliance and fill with water.
5. Insert the filter in the water tank and immerse it completely for about ten minutes, sloping it and pressing it lightly to enable the air bubbles to escape (fig. 39).
6. Insert the filter in the filter housing (fig. 40A) and press as far as it will go.
7. Close the tank with the lid (fig. 40B), then put the tank back in the machine.



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

8. Press the MENU/ESC button to enter the menu;
9. Press < or > (fig. 9) until "Install filter" is displayed;
10. Press the $\delta\delta$ /OK button;
11. "Enable?" is displayed;
12. Press the $\delta\delta$ /OK button to confirm the selection. "HOT WATER Press OK" is displayed.
13. Position a container under the hot water spout (min. capacity: 500 ml).
14. Press the $\delta\delta$ /OK button to confirm the selection. The appliance begins hot water delivery and the message "Please wait" is displayed.
15. After delivery, the appliance is automatically ready to make the next drink.

The new filter is active. You can now use the appliance.

Replacing the filter

When "REPLACE FILTER" is displayed, after two months (see date indicator) or when the appliance has not been used for 3 weeks, you should replace the filter:

1. Extract the tank and exhausted filter;
2. Take the new filter out of its packet and proceed as illustrated in points 2-3-4-5-6-7 in the previous section.
3. Position a container with a minimum capacity of 500 ml under the hot water spout.
4. Press the MENU/ESC button to enter the menu.
5. Press < or > until "Replace filter" is displayed.
6. Press the  /OK button.
7. "Confirm?" is displayed.
8. Press the  /OK button to confirm the selection;
9. "HOT WATER Press OK" is displayed;
10. Press the  /OK button to confirm the selection. The appliance begins hot water delivery and the message "Please wait" is displayed.
11. After delivery, the appliance is automatically ready to make the next drink.

The new filter is now active and you can use the coffee machine.

Removing the filter

If you want to use the appliance without the filter, you must remove it and notify the appliance of its removal. Proceed as follows:

1. Extract the tank and exhausted filter;
2. Press the MENU/ESC button to enter the menu;
3. Press < or > (fig. 9) until "Install filter, Enabled" is displayed;
4. Press the  /OK button;
5. "Disable?" is displayed;
6. Press the  /OK button to confirm and the MENU/ESC button to exit the menu.

TECHNICAL DATA

Voltage:	220-240 V~ 50/60 Hz max. 10A
Absorbed power:	1450W
Pressure:	15 bar
Max. water tank capacity:	2 l
Size LxHxD:	260 x 360 x 460 mm
Cable length:	1,1 m
Weight:	10,2 kg
Coffee beans container capacity:	400 g

 The appliance complies with the following EC directives:

- Low Voltage Directive 2006/95/EC and subsequent amendments;

- EMC Directive 2004/108/EC and subsequent amendments;
- European Stand-by Regulation 1275/2008;
- Materials and accessories coming into contact with food conform to EC regulation 1935/2004.

DISPOSAL



In compliance with European directive 2002/96/EC, the appliance must not be disposed of with household waste, but taken to an authorised waste separation and recycling centre.

DISPLAYED MESSAGES

DISPLAYED MESSAGE	POSSIBLE CAUSE	SOLUTION
FILL TANK	Insufficient water in the tank.	Fill the tank with water and/or insert it correctly, pushing it as far as it will go until it clicks into place.
EMPTY GROUNDS CONTAINER	The grounds container (A12) is full.	Empty the grounds container and drip tray, clean and replace (fig. 26). Important: when removing the drip tray, the grounds container MUST be emptied, even if it contains few grounds. If this is not done, when you make the next coffees, the grounds container may fill up more than expected and clog the machine.
GROUND TOO FINE ADJUST MILL	The grinding is too fine and the coffee is delivered too slowly or not at all.	Repeat coffee delivery and turn the grinding adjustment dial (fig. 13) one click clockwise towards "7" while the coffee mill is in operation. If after making at least 2 coffees delivery is still too slow, repeat the correction procedure, turning the grinding adjustment dial another click until delivery is correct (see the section: "Adjusting the coffee mill" on page 12). If the problem persists, make sure the water tank is fully inserted, press the button  /OK and deliver a little water from the spout.
INSERT GROUNDS CONTAINER	After cleaning, the grounds container has not been replaced.	Remove the drip tray and insert the grounds container.
ADD PRE-GROUND COFFEE	With the pre-ground function selected, pre-ground coffee has not been poured into the funnel.	Place pre-ground coffee in the funnel or deselect the "pre-ground" function (fig. 17).
DESCALE	The machine must be descaled.	The descaling procedure described in the section "Descaling" needs to be performed as soon as possible (page 16).
LESS COFFEE	Too much coffee has been used.	Select a milder taste by pressing the  button (fig. 10) or reduce the quantity of pre-ground coffee.
FILL BEANS CONTAINER	The coffee beans have run out.	Fill the beans container (fig. 14).
	The pre-ground coffee funnel is clogged.	Empty the funnel with the help of a brush as described in the section "Cleaning the pre-ground coffee funnel" (page 15).
INSERT INFUSER ASSEMBLY	The infuser has not been replaced after cleaning.	Insert the infuser as described in the paragraph "Cleaning the infuser" (page 15).
INSERT TANK	The tank is not correctly in place.	Insert the tank correctly and press as far as it will go.

GENERAL ALARM	The inside of the appliance is very dirty.	Clean the inside of the appliance thoroughly, as described in the section "Cleaning". If the message is still displayed after cleaning, contact a service centre.
EMPTY CIRCUIT, FILL CIRCUIT HOT WATER PRESS OK	The water circuit is empty	Press  /OK to deliver water from the cappuccino maker (A10) until it flows out normally.
REPLACE FILTER	The water softener filter is exhausted.	Replace the filter or remove it as described in the section "Water softener filter".

TROUBLESHOOTING

The water softener filter is exhausted.

Replace the filter or remove it as described in the section "Water softener filter".

PROBLEM	POSSIBLE CAUSE	SOLUTION
The coffee is not hot.	The cups were not preheated.	Warm the cups by rinsing them with hot water (Please note: you can use the hot water function).
	The infuser has cooled down because 2/3 minutes have elapsed since the last coffee was made.	Before making coffee, use the special function to rinse and heat the infuser (page 10).
	A low coffee temperature is set.	Set a higher coffee temperature in the menu (page 11).
The coffee is weak or not creamy enough.	The coffee is ground too coarsely.	Turn the grinding adjustment dial one click anticlockwise towards "1" while the coffee mill is in operation (fig. 13). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering 2 coffees (see the section: "Adjusting the coffee mill" on page 12).
	The coffee is unsuitable.	Use pre-ground coffee for espresso machines.
The coffee is delivered too slowly or a drop at a time.	The coffee is ground too finely.	Turn the grinding adjustment dial one click clockwise towards "7" while the coffee mill is in operation (fig. 13). Continue one click at a time until coffee delivery is satisfactory. The effect is only visible after delivering 2 coffees (see the section: "Adjusting the coffee mill" on page 12).
Coffee does not come out of one of the spouts.	The spouts are blocked.	Clean the spouts with a toothpick (fig. 30).
The milk is not frothed	Cappuccino maker dirty.	Clean the cappuccino maker as described in the corresponding section (page 14).
	The ring on the cappuccino maker is in the "LATTE" position.	Push the ring into the "CAPPUCCINO" position.

Steam delivery stops during use	A safety device stops steam delivery after 3 minutes.	Wait, and then enable the steam function again.
The appliance does not come on.	The power cable is not plugged in properly.	Plug the cable fully into the socket on the back of the appliance (fig. 1).
	It is not plugged into the mains socket.	Plug into the mains socket.
	The main switch (A21) is not turned on.	Press the main switch (fig. 2).
The infuser cannot be extracted.	The appliance has not been turned off correctly.	Turn the appliance off by pressing the  button (page 9).

ELECTRICAL CONNECTION (UK ONLY)

Before using this appliance ensure that the voltage indicated on the product corresponds with the main voltage in your home, if you are in any doubt about your supply contact your local electricity company.

The flexible mains lead is supplied connected to a B.S. 1363 fused plug having a fuse of 13 amp capacity.

Should this plug not fit the socket outlets in your home, it should be cut off and replaced with a suitable plug, following the procedure outlined below.

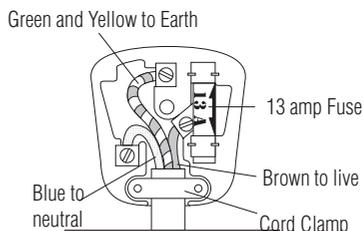
Note: Such a plug cannot be used for any other appliance and should therefore be properly disposed of and not left where children might find it and plug it into a supply socket - with the obvious consequent danger.

Please note: We recommend the use of good quality plugs and wall sockets that can be switched off when the machine is not in use.

IMPORTANT: The wires in the mains lead fitted to this appliance are coloured in accordance with the following code:

GREEN AND YELLOW
BLUE
BROWN

EARTH
NEUTRAL
LIVE



As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

- The wire which is coloured green and yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol  or coloured green or green and yellow.
- The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
- The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

When wiring the plug, ensure that all strands of wire are securely retained in each terminal. Do not forget to tighten the mains lead clamp on the plug. If your electricity supply point has only two pin socket outlets, or if you are in doubt, consult a qualified electrician.

Should the mains lead ever require replacement, it is essential that this operation be carried out by a qualified electrician and should only be replaced with a flexible cord of the same size.

After replacement of a fuse in the plug, the fuse cover must be refitted. If the fuse cover is lost, the plug must not be used until a replacement cover is obtained. The colour of the correct replacement fuse cover is that of the coloured insert in the base of the fuse recess or elsewhere on the plug. Always state this colour when ordering a replacement fuse cover.

Only 13amp replacement fuses which are approved to B.S. 1362 should be fitted.

This appliance conforms to the Norms EN 55014 regarding the suppression of radio interference.

Warning - this appliance must be earthed