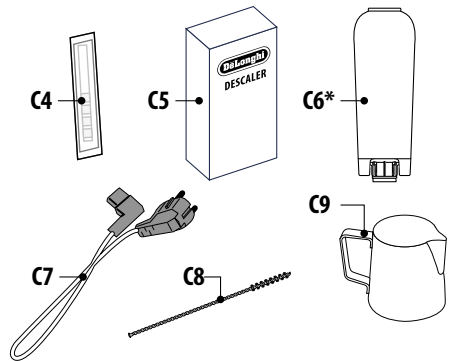
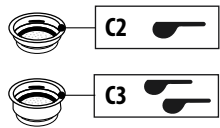
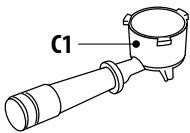
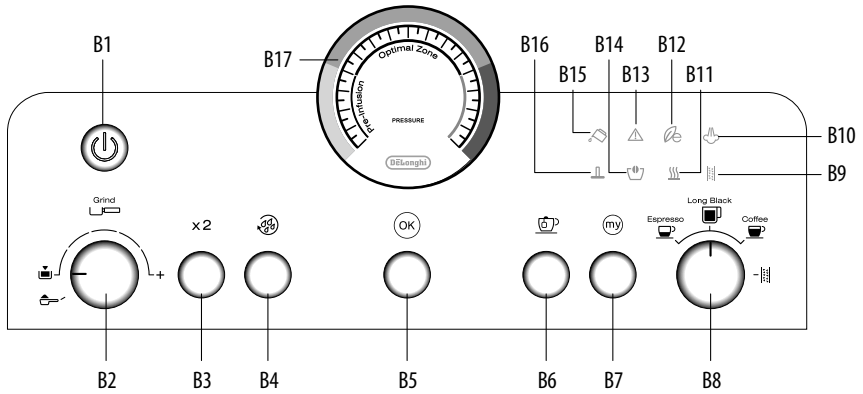
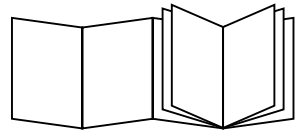

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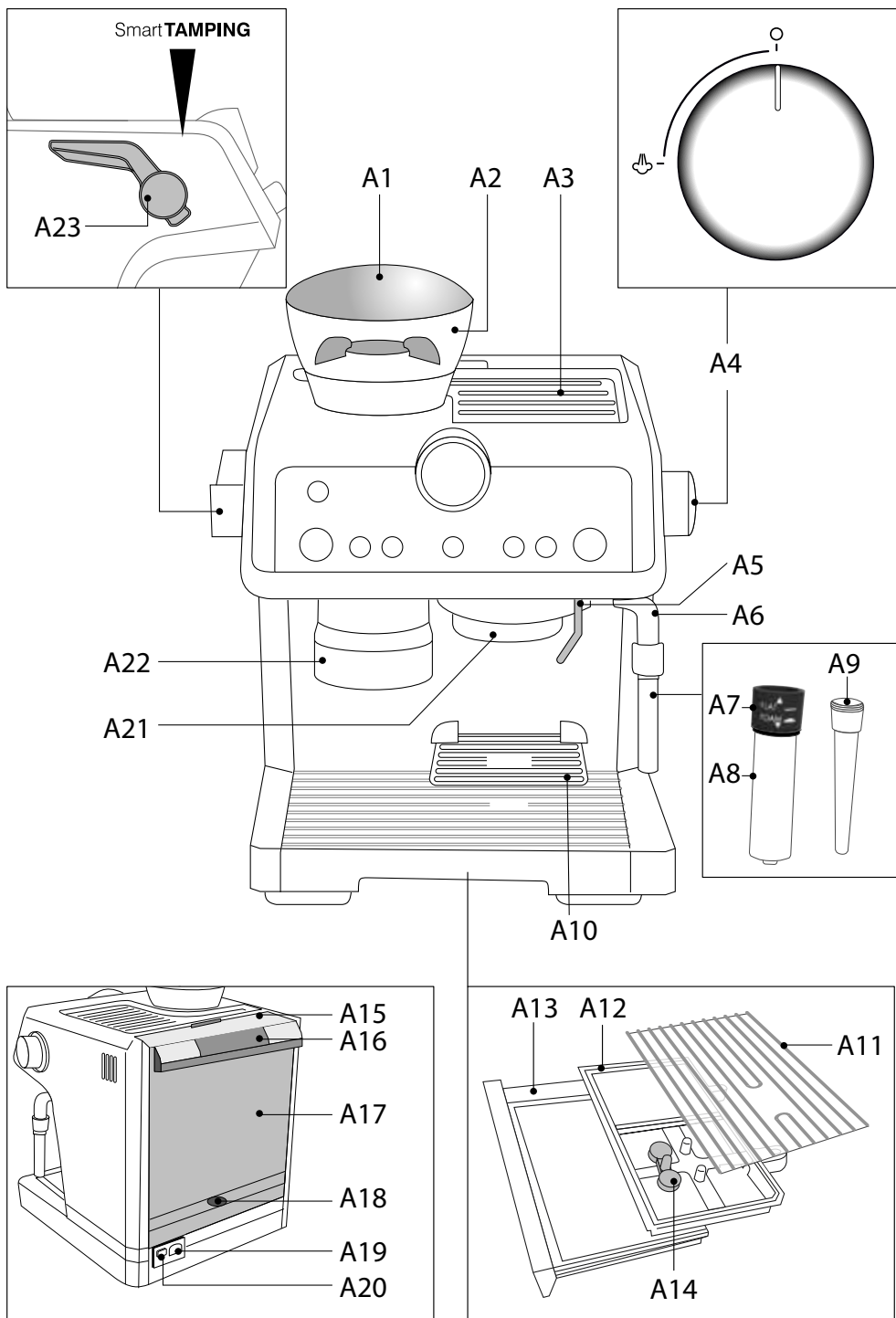
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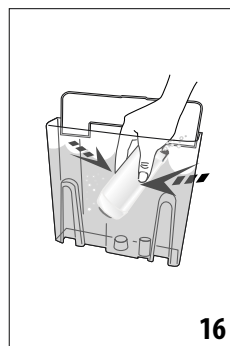
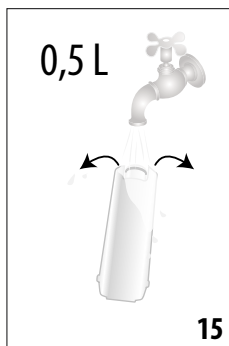
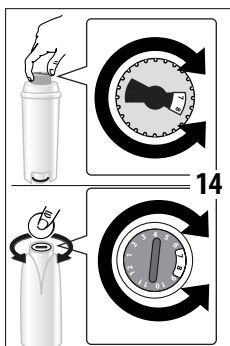
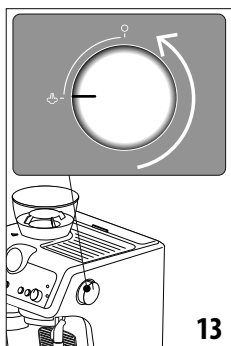
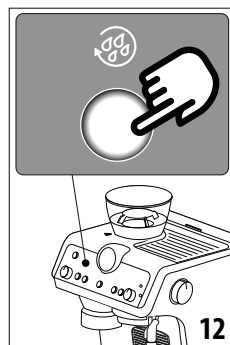
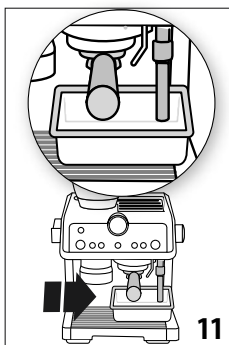
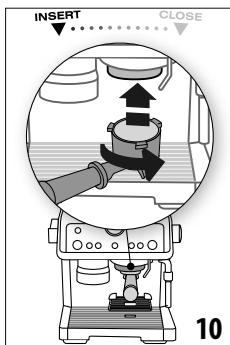
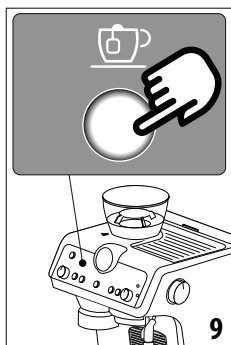
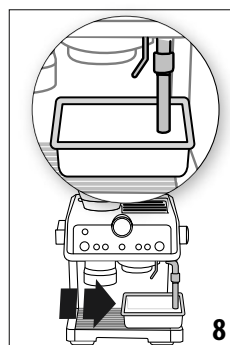
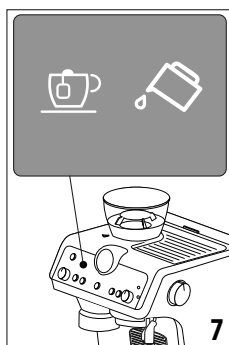
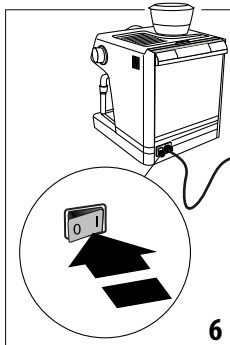
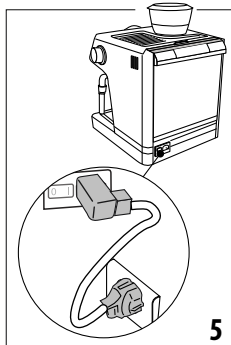
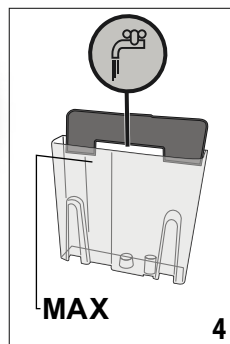
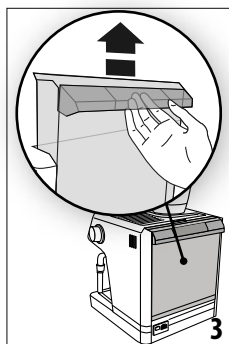
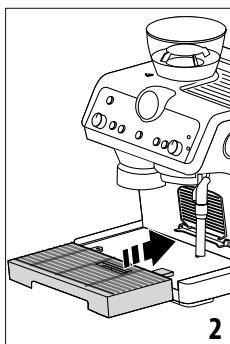
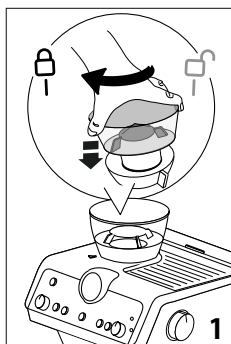
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Instructions for use

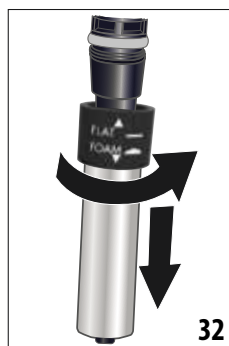
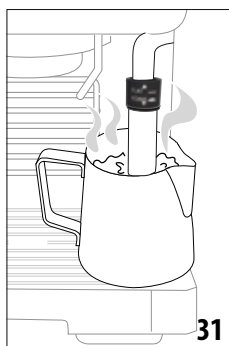
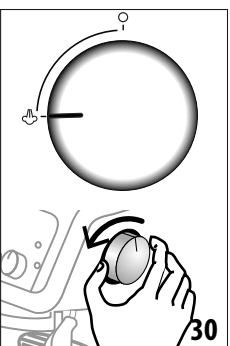
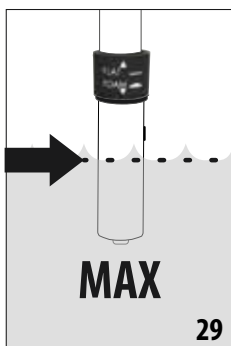
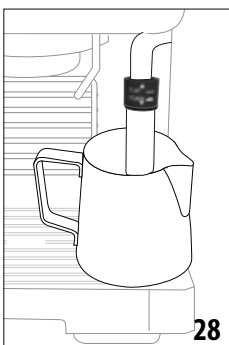
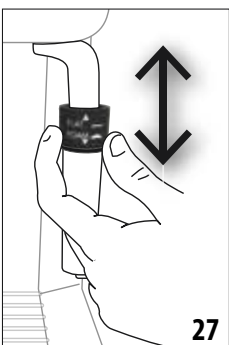
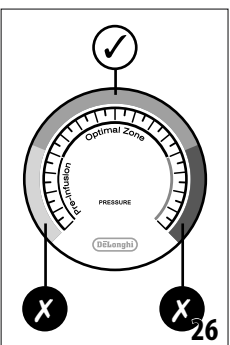
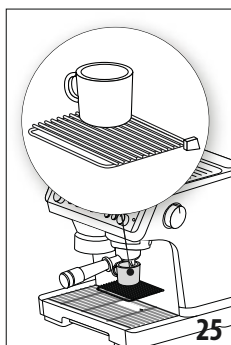
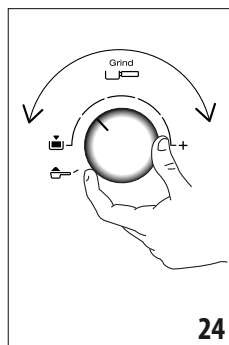
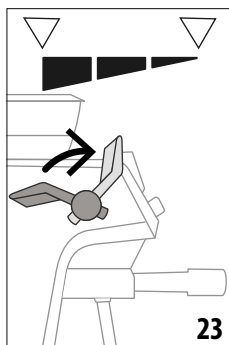
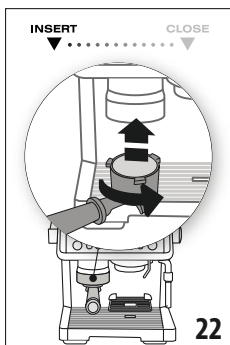
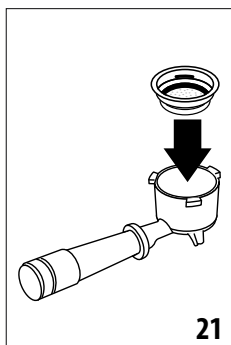
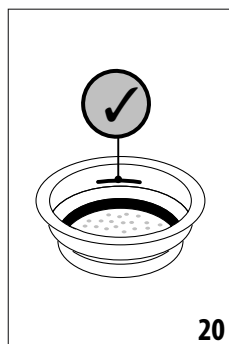
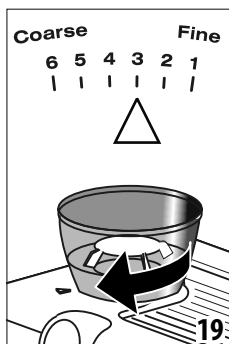
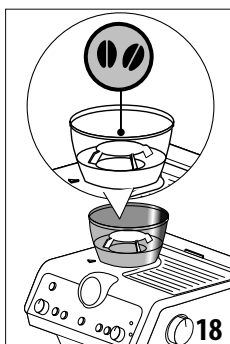
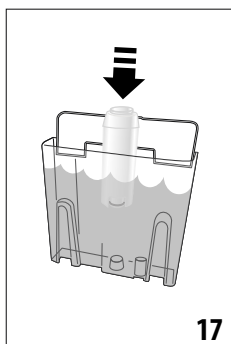


De'Longhi









Before using the appliance, always read the safety warnings.

**This appliance shall not be used by children.
Keep the appliance and its cord out of reach
of children.**

1. DESCRIPTION

1.1 Description of the appliance

(page 3 - A)

- A1. Beans container lid
- A2. Beans container
- A3. Cup tray
- A4. Steam dial
- A5. Hot water spout
- A6. Steam spout
- A7. Cappuccino maker selection ring
- A8. Cappuccino maker
- A9. Cappuccino maker connection nozzle
- A10. Cup grille for espresso
- A11. Cup grille for glasses or mugs
- A12. Drip tray grille
- A13. Drip tray
- A14. Drip tray water level indicator
- A15. Water tank lid
- A16. Water tank extraction handle
- A17. Water tank
- A18. Water softener filter housing
- A19. Power cord connector socket
- A20. Main switch (ON/OFF)
- A21. Boiler outlet
- A22. Coffee mill outlet (tamper station)
- A23. Presser lever

1.2 Description of control panel

(page 3 - B)

- B1. ON/Standby button
- B2. Ground coffee quantity dial
- B3. "X2" button: to use the 2 coffees Easy Clean filter
- B4. Rinse button
- B5. "OK" button: to deliver the beverage/confirm
- B6. Hot water button
- B7. "My" button: to customise beverage quantity
- B8. Mode selector dial:
 - Espresso
 - Long Black
 - Coffee
 - Descaling
- B9. Descale light
- B10. Steam ready light
- B11. Overtemperature light

- B12. Energy saving light
- B13. General alarm light
- B14. Beans container empty/no beans container light
- B15. No water light
- B16. Pressing light
- B17. Pressure gauge

1.3 Description of the accessories

(page 2 - C)

- C1. Filter holder
- C2. Easy Clean filter 1 coffee
- C3. Easy Clean filter 2 coffee
- C4. "Total Hardness Test" indicator paper
- C5. Descaler
- C6. Water softener filter (*if present)
- C7. Power cord
- C8. Tube brush
- C9. Milk jug

2. PREPARING THE APPLIANCE

Wash all accessories with warm water and washing-up liquid, then proceed as follows:

1. Insert the beans container (A2) in the coffee mill (fig. 1);
2. Insert the drip tray (A13) complete with cup grill (A11) and drip tray grille (A12) (fig. 2);
3. Extract the water tank (A17) (fig. 3) and fill with fresh clean water, taking care not to exceed the MAX level (fig. 4).
4. Put the tank back in the appliance.

Important Never operate the appliance without water in the tank or without the tank.

3. SETTING UP THE APPLIANCE

1. Plug the power cord connector (C7) into the socket (A19) at the back of the appliance (fig. 5), then plug the plug into the mains socket. Make sure the main switch (A20) at the back of the appliance is pressed and in the I position (fig. 6);
2. The  light (B6) corresponding to the button comes on and the  light (B15) flashes to indicate that you need to deliver water to fill the circuit (fig. 7);
3. Place a container with a minimum capacity of 100 ml under the hot water spout (A5) and cappuccino maker (A8) (fig. 8);
4. Press the button (B6) corresponding to the  light (fig. 9). Delivery begins and stops automatically. Empty the container.

Before using the machine, you must rinse the internal circuits. Proceed as follows:

5. Attach the filter holder (C1) complete with filter to the appliance. To attach correctly, align the filter holder handle

with "INSERT" (fig. 10), then turn the handle to the right until it is aligned in the "CLOSE" position;

- Place a recipient under the filter holder and cappuccino maker (A8) (fig. 11);
- Press the button (B4) corresponding to the  light (fig. 12). Delivery begins;
- When delivery is complete, turn the steam dial (A4) (fig. 13) and deliver steam for 10 seconds to rinse the steam circuit;
- Repeat points 7 and 8 until you have delivered at least 1 litre of water (about half the tank);
- Extract the water tank (A17) (fig. 3), rinse and fill with fresh clean water, taking care not to exceed the MAX level (fig. 4)

The appliance is ready for use.

Please note: We also recommend rinsing the internal circuits if the appliance is not used for a long period.

4. ACTIVATING THE WATER SOFTENER FILTER

Certain models are fitted with a water softener filter (C6). 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.

- Remove the filter from the packaging;
- Turn the date indicator disk (fig. 14) until the next 2 months of use are displayed;

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 3 weeks.

- To activate the filter, run tap water through the hole in the filter (fig. 15) until water comes out of the openings at the side for more than a minute;
- Extract the tank (A17) (if necessary fill with water);
- Insert the filter in the water tank and immerse it completely for about ten seconds, sloping it and pressing it lightly to enable the air bubbles to escape (fig. 16);
- Place the filter in the filter housing (A18) (fig. 17) and press as far as it will go. Close the tank, then put the tank back in the machine;

The filter is now active and the coffee machine can be used.

5. MENU SETTINGS

Please note: Once in the menu, you can modify all the menu functions as described in the previous sections.

5.1 Coffee temperature

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

- Press and hold the $\times 2$ (B3) and  (B7) buttons together for at least 3 seconds to access the menu. The  (B15) and  (B16) lights alternate;
- Turn the mode selector dial (B8) to the  ESPRESSO position. The  light (B11) remains on steadily;

- Press the button corresponding to the desired selection as shown in the following table:

Tasto	Temperatura
$\times 2$	Normale
	Alta

- To exit the menù, press the  (B1) button. (If the appliance is left idle for about 1 minute, it exits automatically from the settings menu and is ready for use again).

5.2 Water hardness

The  descale light (B9) comes on after a period of time established according to water hardness. The machine can also be programmed according to the actual hardness of the water supply in the various regions, in which case descaling may be required less frequently.

Proceed as follows:

- Remove the "TOTAL HARDNESS TEST" indicator paper (C4) from its pack.
- Immerse the paper completely in a glass of water for one second.
- 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.
- Press and hold the $\times 2$ (B3) and  (B7) buttons together for at least 3 seconds to access the menu. The  (B15) and  (B16) lights alternate;
- Turn the mode selector dial (B8) to the  LONG BLACK position. The  (B9) remains on steadily;
- Press the button corresponding to the desired selection as shown in the following table:

Total Hardness Test result	Button	Level
	$\times 2$	1 soft water
		2 medium water
		3 hard or very hard water
		

- To exit the menù, press the  (B1) button. (If the appliance is left idle for about 1 minute, it exits automatically from the settings menu and is ready for use again).

5.3 Auto-off

Auto-off can be set so that the appliance goes off after 15 minutes, one and a half hours, or three hours. Proceed as follows:

1. Press and hold the $\times 2$ (B3) and  (B7) buttons together for at least 3 seconds to access the menu. The  (B15) and  (B16) lights alternate;
2. Turn the mode selection dial (B8) to the  COFFEE position. The  (B13) remains on steadily;
3. Press the button corresponding to the desired selection as shown in the following table:

Button	Time
$\times 2$	15 minutes
	1.5 hours
	3 hours

4. To exit the menu, press the  (B1) button. (If the appliance is left idle for about 1 minute, it exits automatically from the settings menu and is ready for use again).

5.4 Default values

The appliance can be reset to the default values. Proceed as follows:

1. Press and hold the $\times 2$ (B3) and  (B7) buttons together for at least 3 seconds to access the menu. The  (B15) and  (B16) lights alternate;
2. Press and hold the  button for a few seconds until the corresponding light starts flashing;
3. To exit the menu, press the  (B1) button. (If the appliance is left idle for about 1 minute, it exits automatically from the settings menu and is ready for use again).

5.5 Energy saving

Use this function to enable or disable energy saving. When enabled, the function reduces energy consumption in compliance with European regulations.

Proceed as follows:

1. Press and hold the $\times 2$ (B3) and  (B7) buttons together for at least 3 seconds to access the menu. The  (B15) and  (B16) lights alternate;
2. Press the  (B6) button. The light (B12) comes on;
3. To exit the menu, press the  (B1) button. (If the appliance is left idle for about 1 minute, it exits automatically from the settings menu and is ready for use again).

Please note:

- If energy saving is active, you may have to wait a few seconds before delivery.
- When energy saving is disabled, steam is delivered immediately.

6. MAKING COFFEE

6.1 Preparing the coffee mill

1. Insert the beans container (A2), line up the printed marks and screw on by turning clockwise (fig. 1) until it is aligned with position "3" (factory setting);
2. Remove the beans container lid (A1);
3. Place the required quantity of coffee beans in the container (fig. 18);
4. Close the lid, pressing firmly.
5. Check that the ground coffee quantity dial (B2) is on  position (factory setting).

Important: Do not remove the beans container while it contains beans.

6.2 Coffee beverages

• ESPRESSO

Beverage of Italian origin, a short coffee with an intense aroma.

Coffee	Pre-infusion	Quantity	Filter	$\times 2$
		1 cup 35 ml		
		2 cups 70 ml		

Always check that the coffee quantity in the filter is correct (see paragraph "6.8 Adjusting the quantity of ground coffee in the filter").

• COFFEE

Beverage of European origin, a long coffee with a delicate aroma.

Coffee	Pre-infusion	Quantity	Filter	$\times 2$
		1 cup 70 ml		
		2 cups 140 ml		

Always check that the coffee quantity in the filter is correct (see paragraph "6.8 Adjusting the quantity of ground coffee in the filter").

• LONG BLACK

This long coffee is a favourite in Australia and New Zealand. Hot water is delivered first, followed by the espresso directly into the cup. Only one cup can be made at a time.

Coffee	Pre-infusion	Quantity	Filter	x 2
		1 cup 120 ml		
		RECOMMENDED		
		1 cup 240 ml		

Always check that the coffee quantity in the filter is correct (see paragraph "6.8 Adjusting the quantity of ground coffee in the filter").

6.3 Beverage selection

1. Turn the mode selector dial (B8) to select the desired coffee (see section "6.2 Coffee beverages").
2. If you use the 2 cup filter (C3), press the "2X" button (B3).

6.4 Select the grinding level

The grinding level affects delivery speed and therefore the quality of the extract.

The first time you use the appliance, we recommend using the factory setting (medium grinding) (fig. 19), then if you are not satisfied with the result, adjust the level according to your personal taste and the type of coffee by setting a finer or coarser grinding level, referring to the tips in section "6.8 Adjusting the quantity of ground coffee in the filter".

Important:

- Always adjust the coffee mill while in operation.
- Adjust one grinding level at a time and make at least 5 coffees before adjusting again.

6.5 The coffee filters

The appliance is provided with two coffee filters.

The 1 coffee filter (C2), has the symbol marked on the bottom.

The 2 coffee filter (C3), has the symbol marked on the bottom.

The ideal level of pressed coffee is marked inside both filters (fig. 20). If the quantity is above or below the level indicated,

the result may not be satisfactory. The next times you use the coffee mill, you can adjust the grinding level using the dial (B2) (see section "6.8 Adjusting the quantity of ground coffee in the filter").

6.6 Grind the coffee directly into the filter

1. Place the ground coffee filter (C2) or (C3) in the filter holder (C1) (fig. 21);
2. Press the "X2" button if you are using the 2 coffee filter;
3. Attach the filter holder to the outlet of the coffee mill (A22), aligning it with "INSERT", then turning it to the right (fig. 22). Grinding begins when the filter holder reaches the CLOSE position and stops automatically;

Important: while the appliance is grinding coffee, you can perform a rinse, or produce hot water or steam at the same time.

4. Once grinding is complete, the (B16) light flashes: pull the presser lever (A23) as far as it will go. The force exerted on the coffee is indicated on the lever itself () (fig. 23). The light remains on steady.
5. Remove the filter holder by turning it towards the left.

Important: to adjust the correct quantity ground automatically into the filter holder, see section "6.8 Adjusting the quantity of ground coffee in the filter".

If the filter holder is removed without pressing the coffee, flashes the (B16) light. To press it, turn the knob (B2) to position to disable the grinding and pull the lever (A23) : then re-attach the filter holder.

6.7 Using pre-ground coffee

1. Place the ground coffee filter (C2) or (C3) in the filter holder (C1) (fig. 21);
2. Place the quantity of ground coffee in the filter;
3. Turn the dial (B2) to position to disable the coffee mill;
4. Attach the filter holder to the outlet of the coffee mill (A22) aligning it with "INSERT", then turning it to the right (fig. 10).
5. Pull the presser lever (A23) as far as it will go. The printing on the lever indicates the pressing force exerted () (fig. 23).
6. Remove the filter holder by turning it towards the left.

6.8 Adjusting the quantity of ground coffee in the filter

Important: When using the coffee mill for the first time, leave the knob to position (min). At the beginning, it is normal for a few attempts to be needed before finding the correct grinding level and quantity. We recommend starting by using the default values, then if necessary changing them according to the tips in section "14. How to make perfect coffee".

A mark on the inside of the (C2) and (C3) filters shows the ideal quantity of pressed coffee (fig. 20). Adjust the (B2) dial to increase or decrease the quantity of ground coffee (fig. 24), in order to achieve the ideal quantity indicated by the mark.

6.9 Delivering the coffee

1. Attach the filter holder (C1) to the appliance. To attach correctly, align the filter holder handle with "INSERT" (fig. 10) then turn the handle to the right until it is aligned in the "CLOSE" position;
2. Place the cup or cups under the filter holder spouts;
3. If you are using small cups, lower the cup grille (A10) to bring the filter holder spouts nearer the cup. This makes a better froth (fig. 25);
4. Using the dial (B8), select the desired beverage;
5. Press the "OK" button. The appliance makes the coffee then stops automatically.

Please note: While the machine is making coffee, delivery can be interrupted at any moment by pressing the "OK" button. To remove the filter holder, turn the handle from right to left.

Danger of burns

- To avoid splashes, never remove the filter holder while the appliance is delivering coffee. Wait for a few seconds after delivery.
- If no coffee is delivered, wait for about 1 minute before removing the filter holder. There could be a puff of steam caused by the residual pressure inside the appliance.

6.10 Pressure gauge

The pressure gauge enables you to check that pressure is correct while the coffee is being delivered (fig. 26).

While making ESPRESSO coffee, the indicator will initially be in the "pre-infusion" sector and will then rotate to the "optimal zone" during delivery.

For more information, see section "14. How to make perfect coffee".

Important: the pressure gauge only operates while coffee beverages are being made. If you are preparing hot water "☕" or using the steam function, the pressure gauge indicator does not move.

7. HOW TO MAKE MILK-BASED BEVERAGES

1. Fill the milk jug (C9) with the milk you want to heat/froth, bearing in mind that the milk doubles or triples in volume. For a denser more even froth, you should ideally use skimmed or partially skimmed cow's milk at refrigerator temperature (about 5°C).
2. Choose the position of the ring (A7) (fig. 27) according to the beverage to be prepared (see following table):

Recommended position	Milk beverage to be prepared
FLAT ▲ —	Hot milk (not frothed) / Caffelatte / Macchiato / Flat White

FOAM ▼ —	Cappuccino, Espresso Macchiato, Hot Milk (frothed)
----------	--

3. Place the jug (C9) containing the milk under the cappuccino maker (A8) (fig. 28).
4. Immerse the cappuccino maker in the milk container. Never immerse the black ring (fig. 29).
5. Turn the dial to the ☕ position (fig. 30). Steam to heat the milk is delivered from the cappuccino maker. If the ring is in the FOAM position, the steam gives the milk a creamy frothy appearance (fig. 31). To obtain a creamier froth, immerse the cappuccino maker in the milk and rotate the container with slow upward movements
6. When the required temperature (the ideal is 60°C) and froth density is reached, interrupt steam delivery by turning the dial to the ○ position.
7. For beverages requiring it, prepare the coffee (see section "6. Making coffee"). Choose sufficiently large cups and place them on the espresso cup grille (A10). To use tall glasses, close the espresso cup grille (A10) and rest the glass on the cup grille for glasses or mugs (A11).
8. Pour the frothed milk into the cups. Sweeten to taste and if desired, sprinkle the froth with a little cocoa powder.

Please note: Preparing cappuccino: consider about 100 g of milk for each cup.

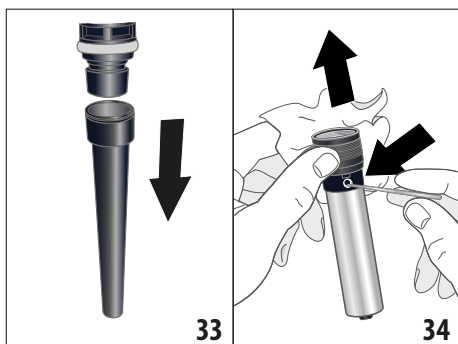
You should not deliver steam for more than 60 seconds.

8. CLEANING THE CAPPUCCINO MAKER AFTER USE

For hygiene reasons, the cappuccino maker should always be cleaned after use.

Proceed as follows:

1. Deliver a little steam for a few seconds (points 2, 5 and 6 of the previous section) by turning the steam deal to the ☕ position. This causes the cappuccino maker to discharge any milk left inside.
2. Press the (B1) ON/Standby button to turn the appliance off.
3. Wait a few minutes for the cappuccino maker to cool down. With one hand, hold the cappuccino maker tube firmly, with the other, release the cappuccino maker by turning it anticlockwise, then pull off downwards (fig. 32).
4. Remove the rubber steam connection nozzle from the spout by pulling it downwards (fig. 33).
5. Push the ring upwards and make sure the two holes shown by the arrows in fig. 34 are not blocked. If necessary, clean with a pin.
6. Replace the connection nozzle, move the ring downwards and put the cappuccino maker back on the nozzle, turning it and pushing it upwards until it is attached.



For thoroughly cleaning, use De'Longhi cleaner.

9. CUSTOMISING THE QUANTITY OF COFFEE BEVERAGES WITH THE **(my)** BUTTON (B7)

1. Prepare the appliance to deliver 1 or 2 cups of the coffee beverage you want to make, as far as attaching the filter holder (C1) complete with the (C2) or (C3) filter and ground coffee.
2. Select the coffee beverage to program, by turning the (B8) dial.
3. Press the **(my)** button: the light corresponding to "OK" button (B5) comes on steadily and the light corresponding to the **(my)** button flashes.
4. Press the "OK" button to start delivering the beverage. The lights corresponding to the "OK" and **(my)** buttons flash.
5. When you have reached the desired quantity of the beverage, press the "OK" button again.
6. Press the **(my)** button to save the new setting. The appliance is ready for use again and the **(my)** button remains on.

If you do not want to save the new setting, press any other button.

Programming Long Black coffee: follow the procedure described above for the quantities of both coffee and hot water.

Please note:

- The coffee beverages can be programmed: you can not program steam and hot water quantity.
- "X2" drinks can be programmed separately.

9.1 Beverage reset **(my)**

To reset the default beverage quantities, press and hold the **(my)** button (B7) until it goes off.

The selected beverage is reset to the default values.

10. DELIVERING HOT WATER

1. Choose the cup and place it on the correct cup grille ((A10) or (A11));
2. Press the **(H)** button (B6): the appliance delivers hot water from the spout (A5) then goes off automatically.

3. To stop delivery, press again the **(H)** button.

You should not deliver hot water for more than 60 seconds.

11. CLEANING

11.1 Cleaning the machine

The following parts of the machine must be cleaned regularly:

- drip tray (A13) complete with cup grille (A11) and drip tray grille (A12);
- espresso cup grille (A10);
- coffee filters (C2) and (C3);
- beans container (A2);
- coffee burrs;
- coffee mill outlet (A22) (smart tamping station);
- boiler outlet (A21);
- water tank (A17);
- cappuccino maker (A8) as described in section "8. Cleaning the cappuccino maker after use".

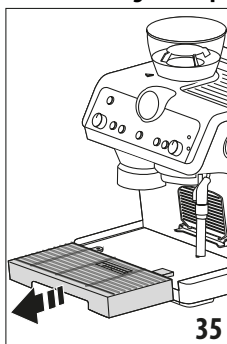
Important!

- Do not use solvents, abrasive detergents or alcohol to clean the coffee machine.
- Do not use metal objects to remove encrustations or coffee deposits as they could scratch metal or plastic surfaces.
- None of the components of the appliance can be washed in a dishwasher with the exception of the drip tray (A13) and cup grilles (A10) and (A11).
- If the appliance is not used for more than a week, before using it again, we recommend you perform a rinse cycle as described in section "3. Setting up the appliance".

Danger!

- While cleaning, never immerse the coffee maker in water. It is an electrical appliance.
- Before cleaning the outside of the appliance, turn it off, unplug from the mains socket and allow to cool.

11.2 Cleaning the drip tray

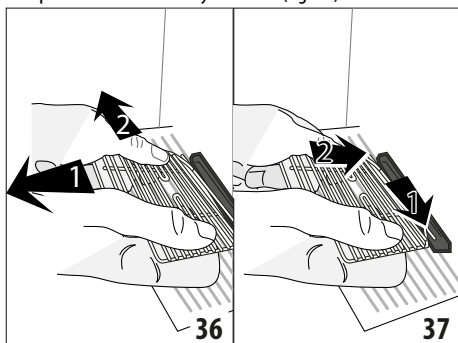


The drip tray is fitted with a level indicator (A14) showing the amount of water it contains. Before the indicator protrudes from the cup tray, the drip tray must be emptied and cleaned, otherwise the water may overflow the edge and damage the appliance, the surface it rests on or the surrounding area.

1. Remove the drip tray (fig. 35).
2. Remove the cup grille (A7), the drip tray grille (A12) and the drip tray water level indicator (A14), empty the water and clean the tray with a cloth, then reassemble the drip tray.
3. Put the drip tray back in place.

11.3 Cleaning the small cup grille

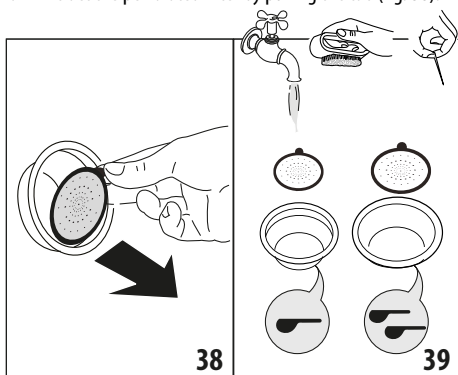
1. Extract the grille (A10) by pulling it from the left, then removing it from the support (fig. 36).
2. Clean the support with a cloth and wash the grille (dishwasher safe).
3. Put the grille back on the support from the right side, then push until it is correctly attached (fig. 37).



11.4 Cleaning the coffee filters

Clean the coffee filters weekly:

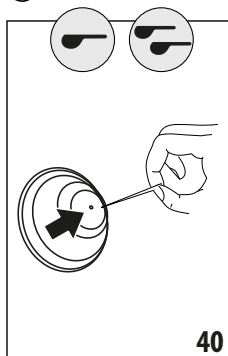
1. Extract the perforated filter by pulling the tab (fig. 38).



2. Rinse the filters under running water (fig. 39).
3. Make sure the holes are not blocked. If necessary, clean with a pin (fig. 40).
4. Place the perforated filter back in the filter housing and press as far as it will go.

11.5 Cleaning the boiler outlet

After every 200 coffees, rinse the boiler outlet: Press the rinsing button (B4) until around 500 ml of water is delivered.



11.6 Cleaning the water tank

1. Clean the water tank regularly (about once a month) and whenever you replace the water softener filter (C6) (*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.
4. (Models with water softener filter only) Deliver about 100 ml of water.

Danger!

While cleaning, never immerse the coffee maker in water. It is an electrical appliance.

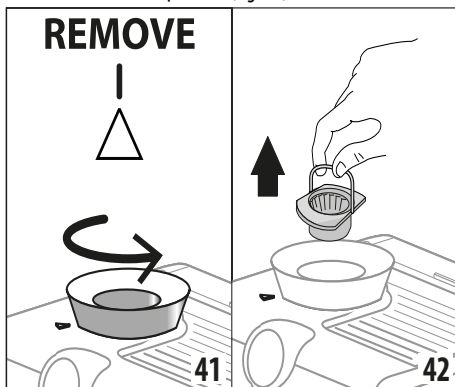
11.7 Cleaning the beans container

1. Make sure the beans container (A2) is empty, then release by turning it anticlockwise and extract from the appliance.
2. Wash the container and lid (A1) with warm water. Do not wash the components in a dishwasher or use washing up liquid! Dry all accessories thoroughly before using again.
3. Remove coffee residues (fig. 44).
4. Put the container back as described in section "3. Setting up the appliance".

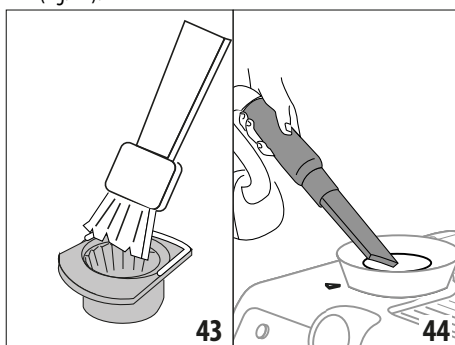
11.8 Cleaning the burrs

1. Empty the beans container (if necessary, using a vacuum cleaner to remove any remaining beans).
2. Attach the filter holder and operate the mill without beans to free the coffee guide: attach the filter holder to the outlet of the coffee mill (A22) aligning it with "INSERT", then turning it to the right (fig. 22). Grinding begins when the filter holder reaches the CLOSE position and stops automatically.
3. Remove the beans container as described in the previous section "11.7 Cleaning the beans container".

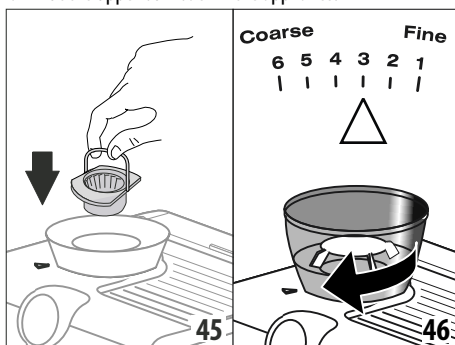
- Turn the fineness selector anticlockwise as far as it will go to the "REMOVE" position (fig. 41).



- Lift and extract the upper burr, taking it by the special handle (fig 42).
- Clean the inside of the appliance with the tube brush (C8)-fig. 43) and use a vacuum cleaner to remove coffee residues (fig. 44).



- Put the upper burr back in the appliance:



- Insert the brush in its housing (fig. 45);
- Turn the fineness selector to the desired grinding position (fig. 46);

- verify that the burr is well inserted by pulling it by the handle: the burr is correctly inserted if it does not move;
- Use a brush to remove any coffee residues from the outlet of the coffee mill (A22).

11.9 Extra grinding adjustment

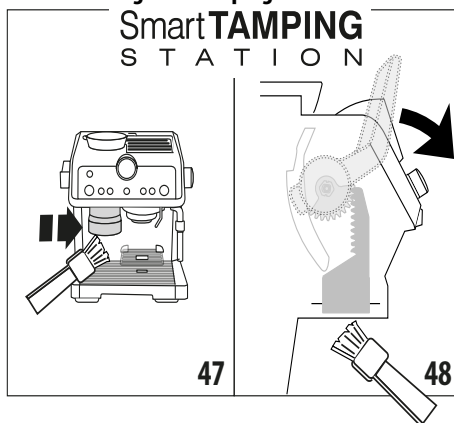
Over time, the burrs will wear down and the quantity of ground coffee will diminish. When the grinding adjustment illustrated on the "6.4 Select the grinding level" is not sufficient, you can select a new grinding range. Proceed as follows:

- Press and hold the $\times 2$ (B3) and my (B7) buttons together for at least 3 seconds to access the menu. The my (B15) and my (B16) lights alternate;
- turn the mode selector dial (B8) to the my position: the my (B14) light remains on steady.
- Select the new grinding range by pressing the my (B4) button;
- Press the my (B1) button to exit the menu. (If the appliance is left idle for about 1 minute, it exits automatically from the settings menu and is ready for use again);
- Turn the dial (B2) to my position ("min"), then proceed as illustrated for the first use ("6.4 Select the grinding level").

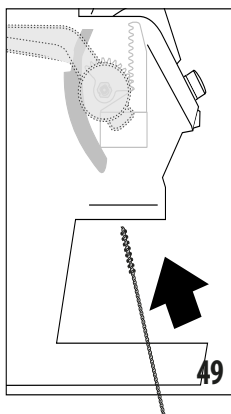
Over time, the burrs will wear down and the quantity of ground coffee will diminish. If this occurs, replace with new burrs purchased from an authorised Customer Services centre.

Then turn the knob (B2) to my (min) position and proceed as illustrated at the first use ("6.4 Select the grinding level").

11.10 Cleaning the "tamping station"



- Clean the attachment area with a brush (fig. 47).
- Pull the lever (A23) as far as it will go and clean the presser cylinder with a brush (fig. 48). Then release the lever;
- Use the tube brush (C8) to clean the coffee guide (fig. 49).



11.11 Other cleaning operations

1. Do not use solvents or abrasive detergents to clean the coffee maker. Use a soft damp cloth only.
2. Clean the filter holder cup. For thoroughly cleaning, use De'Longhi cleaner.

12. DESCALING

Descal the appliance when the  light (B9) comes on.

- Before use, read the instructions and the labelling on the descaler pack.
- It is important to use De'Longhi descaler only. Using unsuitable descaler and/or performing descaling incorrectly may result in faults not covered by the manufacturer's guarantee.

Proceed as follows:

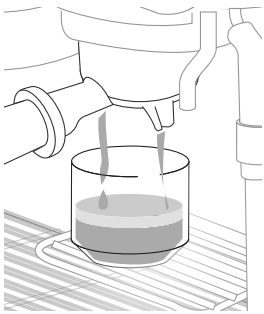
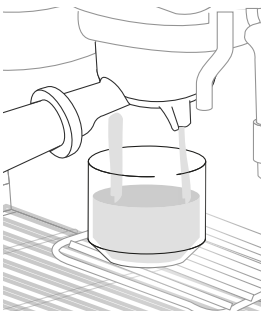
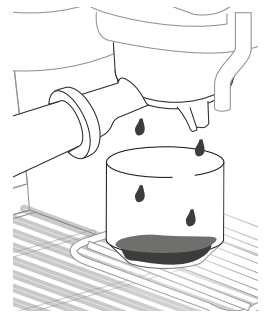
1. (IF PRESENT, REMOVE THE WATER SOFTENER FILTER).
Pour the descaler into the tank up to the level  **A** marked inside the tank (equal to one 100ml packet), then add water (litre) up to the level  **B**.
2. If the appliance is off, press the ON/Standby button (B1).
3. Make sure the filter holder is not attached and position a recipient under the spouts (A5), (A6) and the boiler outlet (A21) (fig. 8).
4. Turn the mode selector dial (B8) to  the (B8) position. The  light flashes and the "OK" light comes on.
5. Press "OK" (B5) to start descaling.
6. The descale programme starts and the descaler liquid comes out of the spouts and boiler outlet. The descale programme removes limescale deposits from inside the appliance by automatically performing a series of rinses and pauses until the tank is empty.
7. Delivery stops and the  (B15) and  lights corresponding to the rinse button (B4) come on.
8. Empty the recipient used to collect the descaler solution and replace it empty under the spouts.
9. Remove the water tank, empty any residues of descaler solution, rinse with running water and fill with fresh water up to the MAX level. Put the tank back in its housing.
10. Press the  button. The appliance rinses the internal circuits and delivers water from all three spouts.

11. When rinsing is complete, delivery stops. All the LEDs flash briefly and the appliance prepares to be used again.
12. Empty the recipient used to collect the rinse water.
13. Extract and empty the drip tray, then put back in the appliance.
14. Extract the tank, fill with fresh water, then put back in the appliance.
15. Turn the mode selector dial to one of the coffee positions.

13. TECHNICAL DATA

Voltage:	220-240V-50/60Hz
Power:	1450W
Size LxDxH:	375x368x445 mm
Pressure:	19 bar
Water tank capacity:	2 L
Cord length:	1200 mm
Weight:	12 kg

14. HOW TO MAKE PERFECT COFFEE

PERFECT ESPRESSO	UNDER-EXTRACTED COFFEE	OVER-EXTRACTED COFFEE
		
FROTH: nut-brown coloured with reddish lights and light coloured streaks, 3-4 mm thick	FROTH: clear and thin with large bubbles	FROTH: dark and thin, only at the edges
BODY: dense, full-flavoured and smooth	BODY: thin, watery	BODY: excessive
TASTE: well-balanced and lingering	TASTE: weak and short-lived	TASTE: strong, astringent, lingering and bitter on the palate
AROMA: intense	AROMA: not pronounced	AROMA: weak, with a hint of burnt coffee
GRINDING LEVEL: Correct	GRINDING LEVEL: too coarse. Adjust the mill to a lower position, following the instructions in section "6.4 Select the grinding level"	GRINDING LEVEL: too fine. Adjust the mill to a higher position, following the instructions in section "6.4 Select the grinding level"
QUANTITY COFFEE IN FILTER: Correct	QUANTITY COFFEE IN FILTER: Not enough. Increase the quantity by turning the dial "B2. Ground coffee quantity dial" as described in section "6.8 Adjusting the quantity of ground coffee in the filter"	QUANTITY COFFEE IN FILTER: Too much: reduce the quantity by turning the dial "B2. Ground coffee quantity dial" as described in section "6.8 Adjusting the quantity of ground coffee in the filter"
PRESSING: Correct	PRESSING: Too light	PRESSING: Too heavy

15. EXPLANATION OF LIGHTS

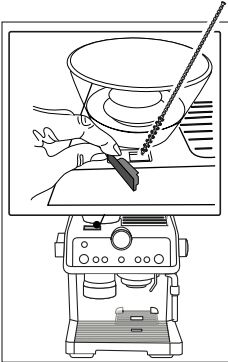
LIGHTS	EXPLANATION OF LIGHTS	OPERATION
All the lights flash briefly	Turning the machine on	Self-diagnosis
 on	Insufficient water in tank or water tank not inserted correctly	Fill the tank or extract the tank and put it back correctly
 on	Energy saving is enabled	See section "5.5 Energy saving" to disable the function
 on	The appliance is on and ready for use	The appliance is at the right temperature to deliver steam. To deliver steam, turn the steam dial (A4)
 flashing	The appliance is on and energy saving is enabled. The steam dial (A4) is in the steam delivery position	The light flashes to indicate that the appliance is preparing to deliver steam. Delivery begins as soon as the appliance is at temperature
	The appliance is heating up to be ready for use	The appliance is at temperature when the light remains on steadily
	Steam delivery has ended and the steam dial (A4) is in the steam position	Turn the dial to the  position.
 flashing	The filter holder has been detached from the coffee mill without pressing	Detach the filter holder and press the coffee as described in section "6.7 Using pre-ground coffee"
	Coffee have to be pressed	Coffee has been grinded and the filter holder is attached to the coffee mill
 on	Coffee has been correctly pressed	
 on	The beans container is empty	Fill the beans container
 flashing	No beans present or the beans container is missing or has not been screwed correctly in place	Fill the beans container or put it back correctly
 flashing	The temperature is too high to deliver coffee	Wait for the temperature to drop
 flashing	Descaling is underway	Complete the operation as described in section "12. Descaling"
	Descaling has ended and the dial (B8) is in the "descaling" position	Turn the mode selector dial to one of the "coffee positions"

16. ALARMS

LIGHTS	ALARM	SOLUTION
 on	General alarm	Contact Customer Services
 +  on steadily	The drip tray (A13) is missing or has not been inserted correctly	Extract the drip tray then put back correctly in the appliance
 on	Descaling must be performed	Proceed as described in section "12. Descaling"
 flashes quickly	The knob (B8) is in descaling position	Turn the knob to one of the coffee beverage position
 on +  +  flashing	The filter holder has been detached from the coffee mill before grinding has ended	Repeat grinding
 +  flashing	The appliance is being turned on for the first time and the water circuit must be filled.	Proceed as described in section "3. Setting up the appliance"
	If the water softener filter (C6) is present, an air bubble may have been released inside the circuit, obstructing delivery	Press the button (B4) corresponding to the  light (fig. 9). Delivery begins and stops automatically.
	The grinding is too fine and the coffee is delivered too slowly or not at all	Extract the filter holder and repeat the operations to make the coffee, bearing in mind the indications in section "6.4 Select the grinding level" and the "14. How to make perfect coffee" table.
 +  flashing	If the water softener filter (C6) is present, an air bubble may have been released inside the circuit, obstructing delivery	Press the button (B4) corresponding to the  light (fig. 9). Delivery begins and stops automatically.
	The grinding is too fine and the coffee is delivered too slowly or not at all	Extract the filter holder and repeat the operations to make the coffee, bearing in mind the indications in section "6.4 Select the grinding level" and the "14. How to make perfect coffee" table.
	The filter is blocked, or the perforated filter is missing	Clean as described in section "11.4 Cleaning the coffee filters" and check that the perforated filter is correctly inserted
	The tank has been inserted incorrectly and the valves on the bottom are not open	Press the tank down lightly to open the valves on the bottom
	Scale in the water circuit	Descale as described in section "12. Descaling"

18. TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Espresso coffee is not delivered any more	No water in the tank (A17)	Fill the tank
	The  light is on and the  light is flashing to indicate that the coffee or steam circuit is empty.	Press the button corresponding to the  light.
	The filter is blocked, or the perforated filter is missing	Clean as described in section "11.4 Cleaning the coffee filters" and check that the perforated filter is correctly inserted
	The tank has been inserted incorrectly and the valves on the bottom are not open	Press the tank down lightly to open the valves on the bottom
	Scale in the water circuit	Descale as described in section "12. Descaling"
The espresso coffee drips from the edges of the filter holder rather than the holes	The filter holder has been inserted incorrectly or is dirty	Attach the filter holder correctly and rotate firmly as far as it will go
	The espresso boiler gasket has lost elasticity or is dirty	Have the espresso boiler gasket replaced by Customer Services
	The filter is blocked, or the perforated filter is missing	Clean as described in section "11.4 Cleaning the coffee filters"
The filter holder cannot be attached to the appliance	The ground coffee has not been pressed or is too much	Clean as described in section "6.6 Grind the coffee directly into the filter"
The coffee froth is too light (delivered from the spout too fast)	The appliance settings need reviewing	See section "14. How to make perfect coffee"
The coffee froth is too dark (delivered from the spout too slowly)	The appliance settings need reviewing	See section "14. How to make perfect coffee"
No milk froth is formed when making cappuccino	The ring (A7) is in the "FLAT" (NO FROTH) position	Push the ring into the "FOAM" position
	Milk not cold enough	Always use milk at refrigerator temperature
	The cappuccino maker (A8) is dirty	Clean the cappuccino maker as described in section "8. Cleaning the cappuccino maker after use"
	Scale in the water circuit	Descale as described in section "12. Descaling"
At the end of descaling, the appliance requests a further rinse	During the rinse cycle, the water tank has not been filled to the MAX level	Repeat the rinse cycle from point (8) of section "12. Descaling"
The coffee mill doesn't work	Inside the coffee mill there is a non-millable foreign body	Clean the mill as indicated in par."11.2 Cleaning the drip tray", making sure you have removed all the grains from the bean container (A2) before removing it. Before reinserting the burr, carefully vacuum any residue from its seat (fig. 44).

PROBLEM	CAUSE	SOLUTION
After grinding, the coffee filter is empty After grinding, there is too much coffee in the filter	The coffee mill coffee guide is clogged	Clean as described in section "11.10 Cleaning the "tamping station"". If the problem persists, access the guide by opening the hatch and free it using the brush(fig. 50). 
If you want to change coffee quality	All the coffee beans in the machine must be removed	• Empty the bean container (if necessary, vacuum the remaining beans). • Attach the filter holder and operate the mill without beans to free the coffee guide: attach the filter holder to the coffee mill outlet (A22) aligning it to "INSERT" and turning it towards right (fig. 22). Grinding starts when the filter holder reaches CLOSE position and automatically ends. Repeat until the filter stays empty. • Insert new coffee beans in the container.