



De'Longhi Appliances
via Seitz, 47
31100 Treviso Italia

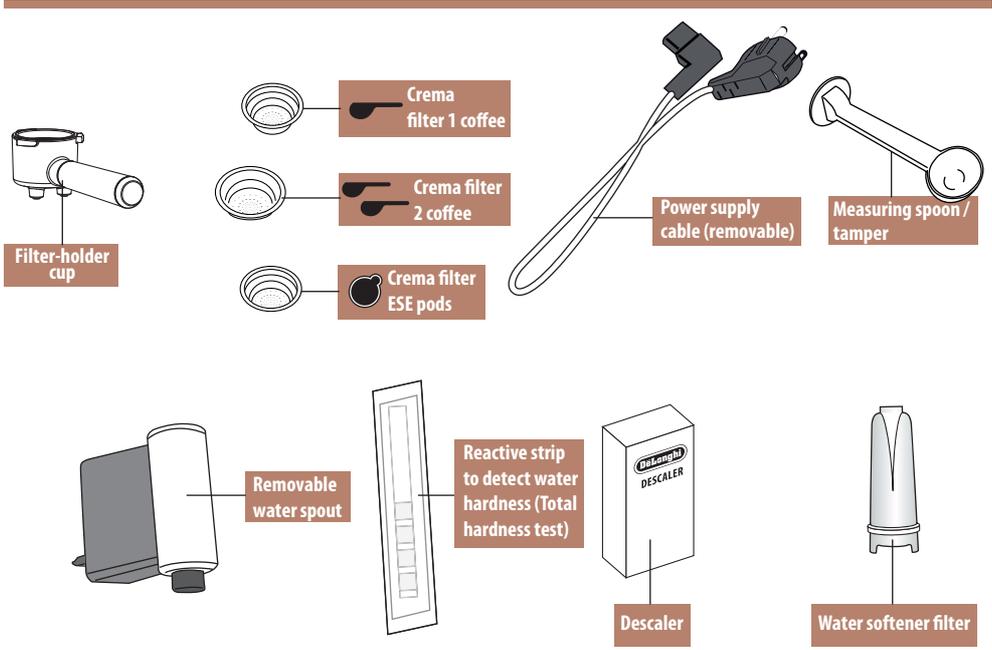
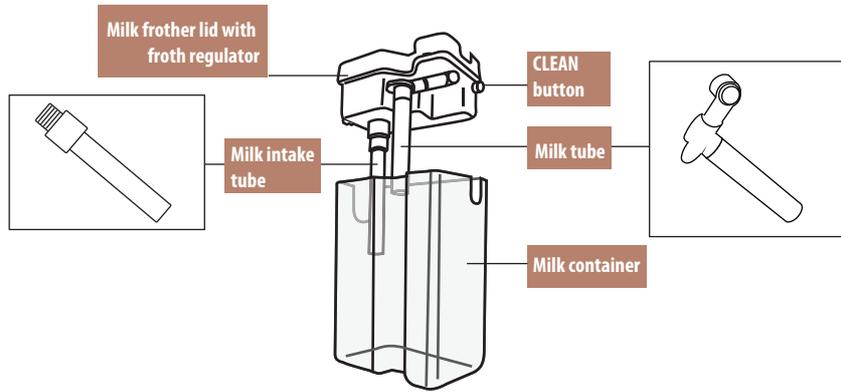
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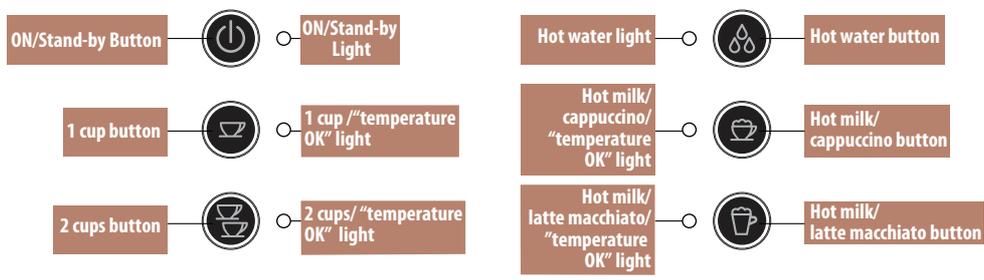
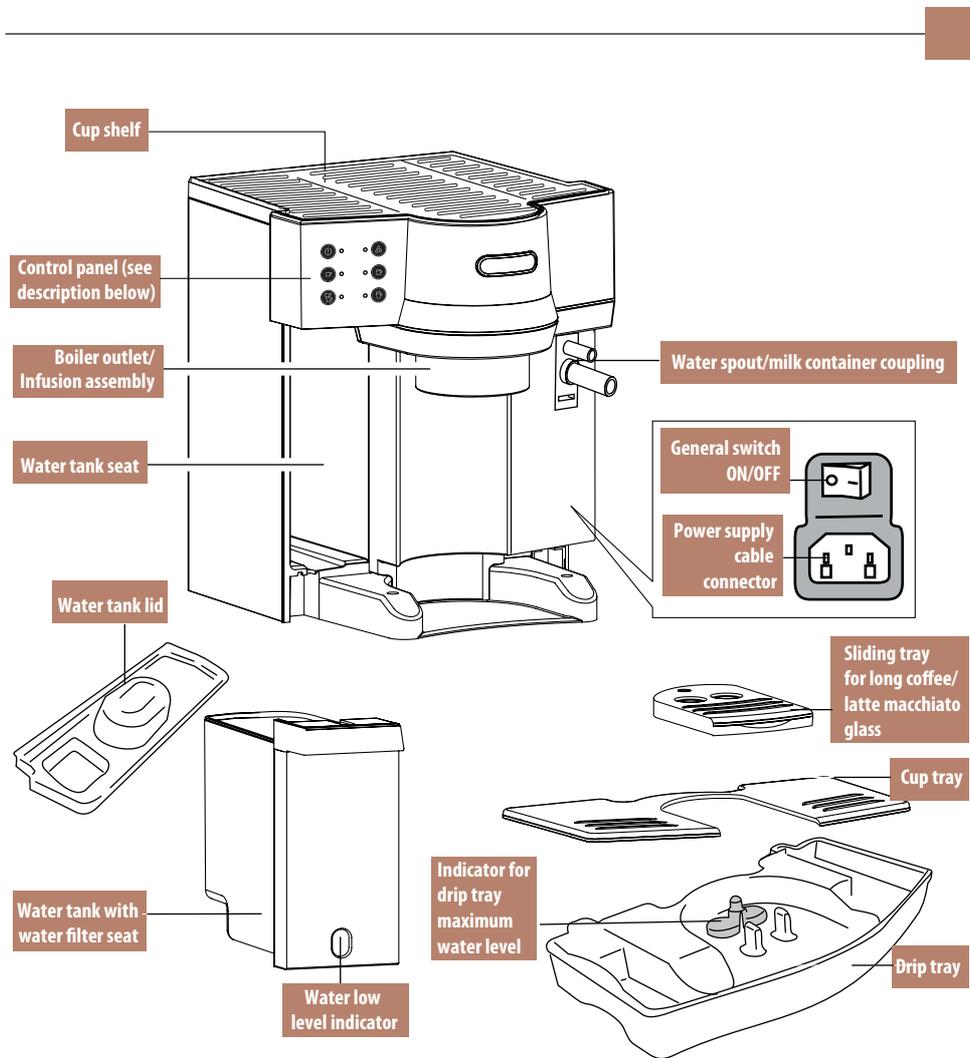


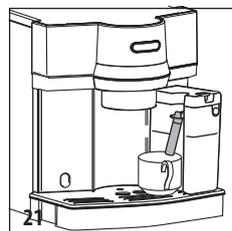
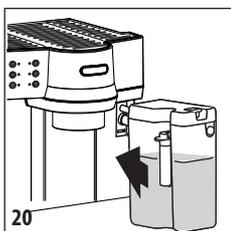
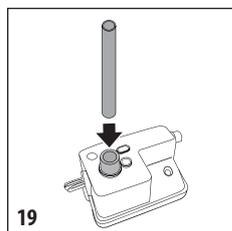
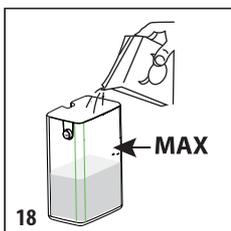
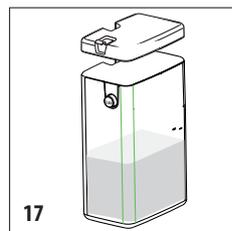
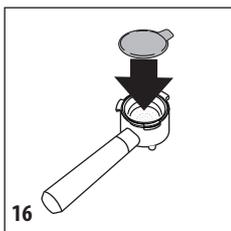
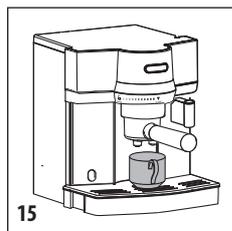
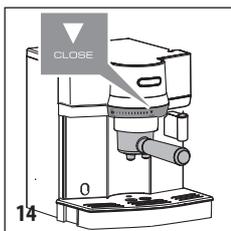
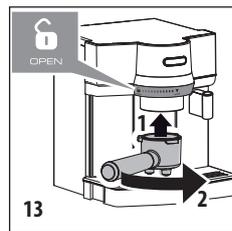
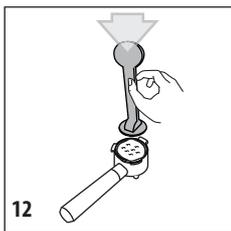
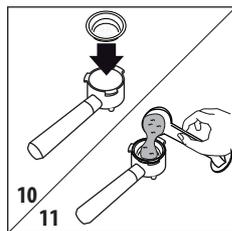
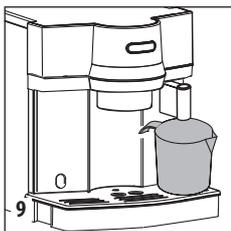
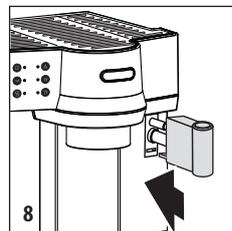
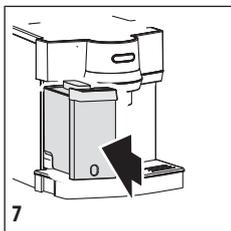
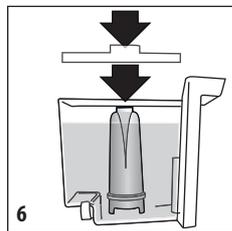
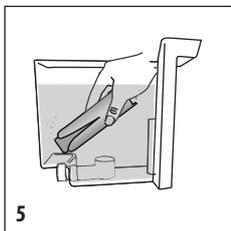
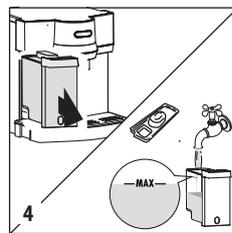
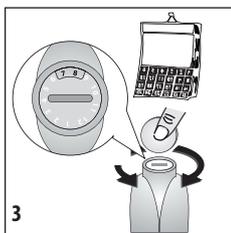
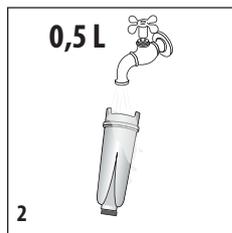
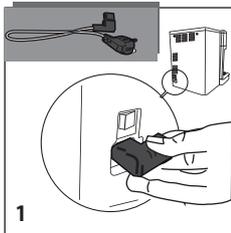
Instructions for use

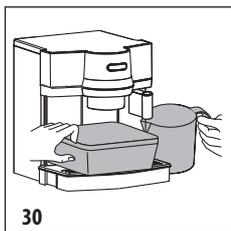
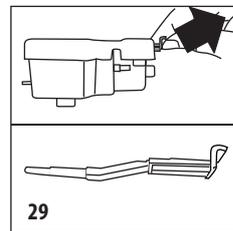
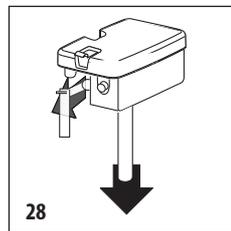
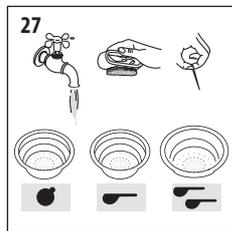
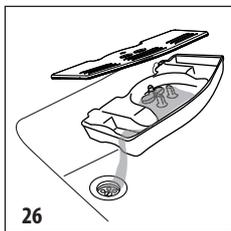
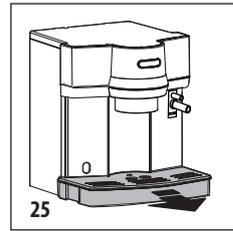
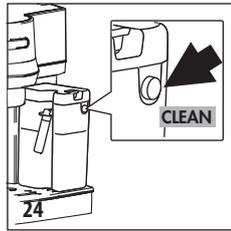
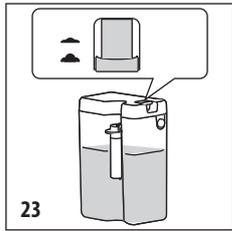
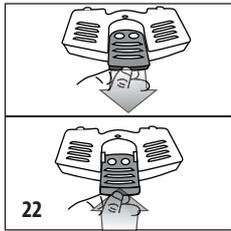
EC850
COFFEE MAKER



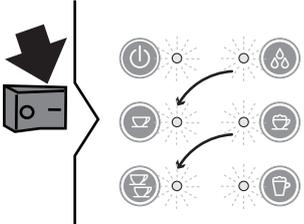
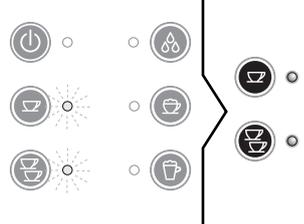
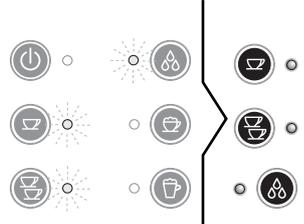
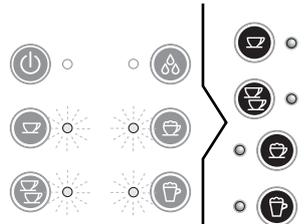








Functioning lights en

Lights	Operation	Meaning of lights
	<p>Turn on from general ON/OFF switch, at the back of the appliance.</p>	<p>The appliance performs a self-test, signalled by the sequential flashing of lights.</p>
	<p>The appliance is on: no accessory is connected to coupling.</p>	<p>The appliance is heating up to make coffee: when the 1 or 2 cup lights stop flashing, the appliance has reached the ideal temperature to deliver coffee.</p>
	<p>The appliance is on: the hot water spout D7 is connected to coupling.</p>	<p>The appliance is heating up to make coffee or to deliver hot water: when the 1 or 2 cup lights and the hot water spout light stop flashing, the appliance has reached the ideal temperature to deliver coffee or hot water.</p>
	<p>The appliance is on: the milk container is connected to coupling.</p>	<p>The appliance is heating up to make coffee, cappuccino or latte macchiato: when the 1 or 2 cup lights, the cappuccino and latte macchiato lights stop flashing, the appliance has reached ideal temperature to deliver coffee or cappuccino or latte macchiato.</p>
	<p>The appliance has been unused for 75 minutes for the ON/STAND-BY button has been pressed.</p>	<p>The appliance is in STAND-BY: to switch it back on, press the  button. The time interval before stand-by is adjustable: see section "Adjust Stand-by interval".</p>
	<p>The tank is empty or the appliance cannot deliver.</p>	<p>See section "If something does not work..." (page 13).</p>

Safety warnings en

Symbols used in these instructions

The important recommendations have these symbols. These warnings must be followed.



Danger!

Failure to comply can be or is the cause of injury due to life-threatening electric shocks.



Attention!

Failure to comply can be or is cause of injury or damage to the appliance.



Scalding hazard!

Failure to comply can be or is the cause of scalding or burns.



Please note:

This symbol highlights recommendations and important information for the user.

Fundamental warnings regarding safety



Danger!

As the appliance operates using electric current, electric shocks can not be excluded.

Therefore, follow the safety recommendations given:

- Do not touch the appliance when you have wet hands or feet.
- Do not touch the plug with wet hands.
- Make sure that the socket used can always be easily reached, so that the plug can be removed when required.
- Remove the plug from the socket by pulling directly on the plug itself. Do not pull the cable as damage could be caused.
- Remove the plug from the socket to disconnect the appliance completely.
- Do not attempt to repair the appliance if it should breakdown.
Switch the appliance off, remove the plug from the socket and contact the After-Sales Technical Assistance.
- If the plug or power supply cable are damaged, have them replaced exclusively by the De'Longhi After-Sales Service, in order to avoid risks
- During cleaning, never immerse the machine in water: it is an electric appliance.
- Before performing any cleaning operations to the external parts of the appliance, switch the machine off, remove the plug from the socket and let the machine cool down.



Attention:

Keep the packaging material (plastic bags, expanded

polystyrene) out of the reach of children.



Attention:

Do not allow the appliance to be used by persons (including children) with reduced psycho-physical-sensorial capacities or that have insufficient experience and knowledge, unless they are carefully monitored and trained by a person responsible for their safety. Watch children, do not let them play with the appliance.



Scalding hazard!

This appliance produces hot water and steam may form during operation.

Pay attention not to come into contact with hot water sprays or steam.

Do not touch the cup holder when the appliance is on because it can get.

Complying with intended use

This appliance is manufactured for the preparation of coffee and to heat beverages.

This appliance is intended exclusively for domestic use. It is not intended for the use in:

- rooms used as kitchens for personnel in shops, offices and other work areas
- farm holidays
- hotels, motels and other reception structures
- guest houses

Any other use must be considered improper and therefore dangerous. The manufacturer is not liable for damage deriving from improper use of the appliance.

Instructions for use

Read these instructions carefully before using the appliances. Failure to respect these instructions may result in personal injury or damage to the appliance.

The manufacturer is not liable for damage as a result of failure to comply with these user instructions.



Please note:

Keep these instructions carefully. If the appliance should be transferred to other persons, these instructions must accompany it.

Checking the appliance

After the packaging has been removed, check the integrity of the appliance and the presence of all accessories. Do not use the appliance if it is visibly damaged. Contact the Customer Experience.

Instructions for use **en**

Installing the appliance

Attention!

The following safety measures must be complied with when installing the appliance:

- The appliance could be damaged by water infiltration. Do not position the appliance near to water 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 can fall below freezing point.
- Position the power supply cable in a way that it cannot be damaged by sharp edges or by contact with hot surfaces (e.g. electric plates).

Connecting the appliance

Attention!

Make sure that the electric mains voltage corresponds with that indicated on the data plate on the base of the appliance. Insert the power supply cable connector in the socket on the back of the appliance (fig. 1); then insert the plug in the power outlet.

Check that the mains power supply voltage corresponds to the value indicated on the rating plate on the bottom of the appliance.

If the power socket does not match the plug on the appliance, have the socket replaced with a suitable type by a qualified professional.

Activation of the water filter and filling of the water tank

- Remove the filter from the packaging and rinse it with about 0.5 l of running water (fig. 2).
- Turn the calendar disc (see fig. 3) until the following 2 months of use are displayed.

Please note

the filter has a two month duration if the appliance is used normally, whereas if the machine remains unused with the filter installed, it has a maximum 3 month duration.

- Remove the water tank and fill it with fresh water (do not exceed the MAX line) (fig. 4).
- Completely dip the filter in the water, tilting it to enable air bubbles to come out (fig. 5).
- Insert the filter in the appropriate seat (fig. 6), press down and close the tank with the lid.
- Place the tank back into the machine (Ensure the water level is not over the MAX line) (fig. 7).

The filter is now activated and the machine can be used.

Appliance first use

- Turn the appliance on by pressing the I/O main switch at rear in pos. I: the appliance performs a self-test, signalled by the sequential flashing of the lights.
- Once the self-test is completed, the "hot water spout" light B8 flashes while the others turn-off: the appliance signals it is necessary to insert the hot water spout (fig. 8).
- Place a container underneath the spout with minimum capacity of 100 ml (fig. 9).
- Press the "hot water" button : delivery starts and interrupts automatically.
- The coffee and water spout lights flash to indicate the appliance is reaching temperature: when the lights stop flashing and remain permanently on, the appliance is ready for use.

Please note: upon first use

- If lights  and  flash, press the  button again.
- Upon first use, it is necessary to make 4-5 coffees or 4-5 cappuccinos before the machine gives a satisfying result.

Settings of the programming menu

To access the menu, ensure the appliance is in stand-by, simultaneously press buttons  and  until the ON/Standby light flashes: the appliance is in programming mode. Set the machine as wanted; to exit the programming menu, press button  again.

Setting the temperature

If wanting to modify the water temperature with which coffee is delivered, proceed as follows:

1. Access the programming menu;
2. Keep button  pressed until the lights relative to the wanted temperature turn-on:

Low temperature:  • 

Medium temperature:  • 

High temperature:  • 

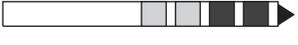
3. When the lights relative to the desired selection turn-on, release the button.
4. Press  to turn the appliance off (stand-by).

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Set the water hardness

The lights signalling the need to descale the appliance, after a pre-set period of operation that depends on the hardness of the water. It is possible to program the machine according to the actual water hardness in use in the area, thus making descaling less frequent. Proceed as follows:

1. Remove the provided reactive strip "TOTAL HARDNESS TEST" from its packaging.
2. Completely dip the strip into a glass of water for one second.
3. Remove the strip from the water and shake it slightly. After about one minute 1, 2, 3 or 4 red squares form, depending on the hardness of the water (4 red squares = very hard water).
4. Access the programming menu.
5. Once obtained the result of the strip, keep the "hot water"  button pressed until the lights turn-on, as in following table:

5. When the lights relative to the detected water hardness turn-on, release the button.
6. Press  button to turn the appliance off (stand-by).

Please note:

If the water filter is correctly used, set the machine on to a lower hardness level compared to that detected by the reactive strip.

ON/OFF and stand-by

When the main switch is in pos. I, turn the appliance on and off

(stand-by) by pressing the  button.

The appliance automatically turns off (stand-by) after 75 minutes of non-use: to change the non-use time, refer to following paragraph.

Adjust Stand-by

The machine is pre-set to switch to stand-by after 75 minutes of non-use. This time interval can be modified so that the appliance switches off after 15 minutes or after 3 hours. Proceed as follows:

1. Access the programming menu;
2. Keep the  button pressed until the lights relative to the desired standby interval turn-on:

15 minutes:	 
75 minutes:	   
3 hours:	     

3. When the lights relative to the wanted selection turn-on, release the button.
4. Press  to turn the appliance off (stand-by).

How to prepare espresso using ground coffee

- Insert the filter for ground coffee in the filter-holder (fig. 10). Use the filter  if wanting to make one coffee or the filter  if wanting to make 2 coffees.
- To prepare one coffee, fill the filter with a level measuring spoon of ground coffee, about 7gr (fig. 11). If you wish to prepare two cups of coffee, fill the filter with two less-than-level measuring spoons of ground coffee (about 7+7 gr). Fill the filter with small amounts at a time to prevent the coffee spilling out.

Attention:

For correct use, before filling the filter with ground coffee always make sure there is no residual coffee from the previous infusion in the filter.

- Distribute the ground coffee evenly and press it lightly using the coffee tamper (fig. 12).

Pressing the ground coffee is very important to obtain

Instructions for use en

a good espresso. If excessively pressed, the coffee will slowly leak and it will be stronger. Whereas, if slightly pressed, the coffee will come out too quickly and will be light.

- Remove any excess coffee from the rim of the filter-holder and attach it to the machine: for correct attachment, align the filter-holder handle to symbol  OPEN (fig. 13), attach the filter-holder and turn grip to the right, until aligned to position  CLOSE (fig. 14).
- Position the cup or cups under the filter-holder spouts (fig. 15). It is advised to heat the cups before making the coffee, rinsing them with hot water.
- Ensure the lights relative to the coffee buttons are on, press the coffee buttons ( or ): the appliance proceeds and interrupts automatically.

How to prepare espresso using pods

Please note:

use pods that comply with the ESE Standard: this will be indicated on the packaging by the following mark.



The ESE Standard is a system accepted by leading coffee pod manufacturers and allows espresso coffee to be made simply and without mess.

- Insert the filter for pods coffee () in the filter-holder (fig. 10).
- Insert the pod, centring it as far as possible on the filter (fig. 16). Always follow the instructions of the pod pack for correct positioning of the pod in the filter.
- Attach the filter-holder to the machine: for correct attachment, align the filter-holder handle to symbol  OPEN (fig. 13), attach the filter-holder and turn grip to the right, until aligned to position  CLOSE (fig. 14).
- Position the cup under the filter-holder spouts. It is advised to heat the cup before making the coffee, rinsing it with hot water.
- Ensure the lights relative to the coffee buttons are on, press the coffee button : the appliance proceeds and interrupts automatically.

Please note:

- While the machine is preparing the coffee, the can be stopped at any time by pressing the previously pressed coffee button.
- Once delivery is completed, if wanting to increase the amount of coffee inside the cup, keep the previously pressed

coffee button pressed (within 3 seconds) of delivery.

- Turn the grip from right to left to release the filter-holder.

Scalding hazard!

To avoid sprays, never release the filter-holder while the machine is delivering and wait a few seconds after delivery.

Program the amount of coffee in the cup

The machine has been set by default to deliver standard amounts. If wanting to amend these quantities, proceed as follows:

1. Place a cup under the coffee spout.
2. Keep the button to be programmed ( or ) pressed. The machine starts delivering coffee.
3. As soon as the wanted amount of coffee in cup is reached, release the button: delivery stops.

The machine is now re-programmed according to the new amount.

How to prepare milk-based drinks

To avoid obtaining insufficiently frothed milk, or with large bubbles, always clean the lid of the milk and the hot water nozzle as described in the "cleaning the milk container" on page 12.

1. Remove the lid (fig. 17);
2. Fill the milk container with sufficient amount of milk, not exceeding the maximum of 0.5 l (fig. 18). Remember that every notch on the side of the container corresponds to 100 ml of milk.

Please note!

- For a more dense and homogenous froth, use skimmed or partially skimmed milk at refrigerator temperature (about 5° C).
- 3. Ensure the milk intake tube is correctly inserted in appropriate seat envisioned at bottom of the milk container lid (fig. 19).
- 4. Place the lid on the milk container again.
- 5. Remove the hot water spout from the nozzle.
- 6. Attach by inserting the container to the nozzle (fig. 20).
- 7. Set-up the machine to make coffee (see par. "how to prepare espresso").
- 8. Place the cup for cappuccino or the glass for Latte Macchiato under the coffee spout and arrange the milk spout (fig. 21). If using tall cups or glasses, reposition the cup-holder, as shown in fig. 22).
- 9. Vary the froth regulator depending on the amount of froth wanted and type of milk used (fig. 23).

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To prepare the Cappuccino: press button .

To prepare the latte macchiato: press button .

9. After having delivered the frothed milk, the machine automatically prepares the coffee.

Please note!

- For a hotter cappuccino, it is advised to press the CLEAN button to heat the ducts of the milk frother device (see successive paragraph).
- To prepare the cappuccino or the latte macchiato, the appliance performs 2 deliveries: first the milk and subsequently the coffee. If wanting to interrupt the delivery in progress, press the previously pressed button.
- Once delivery is completed, if wanting to increase the amount of milk or coffee inside the cup, keep the button (within a few seconds) relative to the preparation in progress pressed.
- Do not leave the milk container out of the refrigerator for too long: the higher the milk temperature (5°C is ideal), the poorer is the quality of the froth

Cleaning the milk frother device using the CLEAN button

After every use of the milk functions, perform cleaning to eliminate the milk residues as follows:

1. Leave the milk container inserted in the machine (it is not necessary to empty the milk container);
2. Place a cup or other container under the frothed milk spout tube.
3. Keep the "CLEAN" button (fig. 24) pressed: lights  and  flash. When the lights stop flashing and the appliance goes back to ready for use, release the "CLEAN" button: the steam cleans the circuits inside the milk frother.

Program the amount of coffee and milk in the cup for cappuccino or milk

The machine has been set by default to deliver standard amounts. If wanting to amend these quantities, proceed as follows:

1. Place a cup under the spouts of the coffee spout and under the milk spout tube.
2. Press the button relative to the preparation with milk to be programmed and keep it pressed. After a few seconds, the machine starts delivering the milk.
3. As soon as the wanted amount of milk in cup is reached, release the button milk delivery stops.

4. Program the amount of coffee in cup as for the amount of milk.

5. Programming is confirmed by the lights flashing for 3 seconds.

The machine is now re-programmed according to the new amounts of milk and coffee.

Preparing the hot water

Scalding hazard!

Do not leave the machine unattended when delivering hot water. The spout heats up during delivery therefore, only the black part must be held.

1. Check the hot water spout is correctly attached (fig. 8).
2. Place a cup under the spout (as near as possible to avoid sprays).
3. Press the  button (fig. 2): the relative light flashes and the appliance starts hot water delivery.
4. The machine automatically stops delivery.

Please note!

- To manually interrupt the hot water delivery, press  button again.

Programming the amount of water automatically delivered

If wanting to amend the set by default amount, proceed as follows:

1. Place a cup under the spout.
2. Keep the  button pressed.
3. When the hot water in the cup reaches the required level, release the button. Programming is confirmed by the lights flashing for three seconds.

The machine is now re-programmed according to the new amount.

Cleaning

Attention!

- Do not use solvents, abrasive detergents or alcohol to clean the machine.
- Only the milk container (D) can be washed in the dish washer. No other part of the appliance can be washed in the dishwasher.
- Do not use metal objects to remove coffee deposits or fouling as they might scratch the metal or plastic surfaces.

Instructions for use en

Cleaning the drip tray



Attention!

The drip tray is equipped with a floating water level indicator (red) (fig. 24). As soon as this indicator starts protruding from the cup tray, empty the tray and clean it, otherwise the water may overflow and damage the machine, and the surrounding work-top.

1. Remove the drip tray (fig. 25).
2. Remove the cup tray, dispose of the water (fig. 26) and clean the tray using a cloth: then re-assemble the drip tray.
3. Re-insert the drip tray.

Cleaning the coffee filters

Regularly clean the coffee filters rinsing them under running water. Check that the holes are not blocked. If they are, clean them using a pin (fig. 27).

Cleaning the boiler outlet

Rinse the boiler outlet every 200 coffees delivered, by delivering 0.5l of water from the boiler outlet (place a cup under the spouts and then press the button to deliver a coffee without using coffee powder).

Cleaning the milk container

Clean the milk container after each milk preparation, as described below:

1. Extract the lid.
2. Remove the milk spout tube and the intake tube (fig. 28).
3. Remove the froth regulator by pulling it out (fig. 29).
4. Carefully clean all components using hot water and a mild detergent. **All components can be washed in the dishwasher by positioning them on the upper rack of the dishwasher.** Pay particular attention that milk residues do not remain inside the holes and in the groove on the narrow part of the froth regulator.
5. Also check that the intake tube and the spout tube are not obstructed by milk residues.
6. Re-assemble the cursor, the spout tube and the milk intake tube.
7. Place the lid on the milk container again.

Replacing the filter

After two months of duration (see calendar), or if the appliance is not used for 3 weeks, replace the filter as described in paragraph "Activation of the softener filter and filling of the tank".

Descaling

Descalcify the machine when the light  flashes on the control panel. Proceed as follows:

1. Remove the water filter. Fill the tank with the descaling solution obtained by diluting the descaler with water on the basis of the indications given on the pack.
2. Insert the hot water spout (fig. 8).
3. Place one container under the boiler outlet and one under the hot water spout (fig. 29) and ensure the drip tray is empty and correctly inserted.
4. Simultaneously press the  and  buttons: light  turns on (if the hot water spout has not been inserted, the light flashes).
5. Press the  button. Descaling is signalled by the LED that alternate in sequence. The descaling program automatically performs a series of deliveries from the boiler outlet and from the hot water spout at intervals, to remove the lime scale from inside the coffee machine.
6. Once the descaling solution is terminated, the light  turns on to indicate rinsing is necessary.
7. To eliminate the solution and lime scale residues, rinse the tank and fill it with fresh water (without descaler); empty the containers and place them under the boiler outlet and hot water spout.
8. Press the  button: rinsing starts and all LEDs flash in sequence.
9. Rinsing stops when the tank is empty: rinse and top-up the tank.
10. Light  turns on: press the relative button: delivery starts and interrupts automatically.

The appliance is now ready for use.

Repairs to the coffee machine relative to lime scale problems are not covered by the warranty if the descaling procedure described above is not performed on a regular basis.

Technical data

Mains voltage:	220-240V-50/60Hz
Absorbed power:	1450W
Sizes LxHxD:	305x275x320 mm
Thermoblock:	Stainless steel/Aluminium
Pressure:	15 bar
Water tank capacity:	1 L
Power supply cable length:	1.2 m
Weight:	7 kg

CE The appliance is in compliance with the following CE Directives:

- Stand-by Directive 1275/2008
- Low Voltage Directive 2006/95/CE and successive amendments;
- EMC Directive 2004/108/CE and successive amendments;
- The materials and objects destined to come into contact with food stuffs are in compliance with the provisions of the 1935/2004 European Standard.

Disposal



Recommendations for the correct disposal of the product in compliance with the 2002/96/CE European Directive and Legislative Decree n. 151 dated 25 July 2005.

The product must not be disposed of as urban waste at the end of its working life. It must be taken to appropriate local authority separate waste collection centres or to dealers providing this service. Disposing of a household appliance separately avoids possible negative consequences for the environment and health deriving from unsuitable disposal and allows to recover the materials of which it is made in order to make significant savings of energy and resources. The product has the crossed-out wheeled bin mark as a reminder of the obligation to dispose of household appliances separately. The illegal disposal of the product by the user entails the application of administrative sanctions envisioned by the Standard in force.

Troubleshooting^{en}

Problem	Possible causes	Solution
The device will not switch on	The power supply cable is not inserted correctly	Check that the power supply cable connector is fully inserted in the appropriate socket on the back of the device; then check that the plug is correctly connected to the power outlet
Espresso coffee does not flow out	No water in the tank	Fill the water tank
	The holes in the filter-holder are blocked	Clean the holes in the filter-holder spouts
	The espresso boiler outlet is blocked	Clean as indicated in the "Cleaning" paragraph
Espresso coffee drips from the edges of the filter-holder instead of through the holes	The filter-holder is not correctly inserted or is dirty	Attach the filter-holder correctly and turn it fully home firmly
	The espresso boiler gasket has lost elasticity or it is dirty	Replace the espresso boiler gasket at an After-Sales Centre
	The holes in the filter-holder spout are blocked	Clean the holes in the spouts.
The filter-holder does not hook onto the device	Too much coffee was poured in the filter	Use the measure provided and make sure to use the correct filter for the type of preparation desired.
Loud pump noise	The water tank is empty	Fill the tank
	The tank is inserted incorrectly and the valve on the bottom is not open	Press the tank lightly to open the valve on the bottom
The coffee cream is clear (it flows quickly from the spout)	The ground coffee has not been sufficiently pressed	Increase pressing of the ground coffee
	Not enough ground coffee	Increase the amount of ground coffee
	The coffee is not ground finely enough	Only use coffee ground specifically for espresso coffee machines
	Incorrect type of ground coffee	Change the quality of the ground coffee
After coffee delivery, the filter remains attached to the boiler outlet		Insert the filter-holder again, then remove it.
After the coffee has been prepared, the pod or coffee powder remains attached to the boiler outlet		Re-insert the filter-holder, deliver coffee, remove the filter-holder.

Troubleshooting^{en}

Problem	Possible causes	Solution
The coffee cream is dark (it flows slowly from the spout)	The ground coffee is too tightly pressed	Press the coffee less
	Large amount of ground coffee	Decrease the amount of ground coffee
	The espresso boiler outlet is blocked	Perform cleaning as indicated in par. "cleaning the boiler outlet"
	The filter is blocked	Perform cleaning as indicated in par. "cleaning the filter"
	The coffee is too finely ground	Only use coffee ground specifically for espresso coffee machines
	The ground coffee is too fine or is damp	Only use coffee ground specifically for espresso coffee machines and it must not be too damp
	Incorrect type of ground coffee	Change the quality of the ground coffee powder
The milk does not froth when making a cappuccino	The milk is not cold enough	Always use milk at refrigerator temperature
	The cursor of the milk frother lid is not in correct position	Ensure to have positioned the cursor in froth position
	The milk container lid is dirty	Clean the milk lid as described in par. "Cleaning the milk container".
The machine does not deliver any drink and the lights  and  flash for a few seconds.	No water in the tank	Fill the water tank
	The tank is inserted incorrectly and the valve on the bottom is not open	Press the tank lightly to open the valve on the bottom
	Incorrectly installed water filter	Activate the filter by following the indicated procedure
	The ground coffee is too tightly pressed	Press the coffee less
	The espresso boiler outlet is blocked	Perform cleaning as indicated in par. "cleaning the boiler outlet"
	The filter is blocked	Perform cleaning as indicated in par. "cleaning the filter"
The machine does not work and all lights flash		Immediately disconnect the appliance and contact an authorised after-sales assistance centre