

GENERAL OPERATING INSTRUCTIONS

Carefully read the instruction manual and warranty limitations.

The machine must be connected to a grounded power outlet.

The machine must be kept clean by frequently washing the grill, the drip tray, the capsule holder, the tank and the steam wand.

EXTREMELY IMPORTANT: never immerse the machine in water or put it in the dishwasher.

The water contained in the tank must be replaced regularly.

Do not use the machine if the tank is empty. After changing the water, place the tank back in the machine, making sure it is inserted all the way.

We recommend descaling the machine at least every 2 months using a descaling agent made especially for espresso machines.

*See instructions in the **DESCALING** chapter.*

The machine is outfitted with a valve that maintains constant pressure, for this reason some water may drip from the capsule holder.

INDEX

■ MACHINE PARTS	15
■ IMPORTANT SAFEGUARDS	16
USING THE ESPRESSO MACHINE	16
INSTALLATION OF THE ESPRESSO MACHINE	16
CLEANING THE ESPRESSO MACHINE.....	16
TROUBLESHOOTING	16
IMPROPER USE OF THE APPLIANCE.....	17
■ INSTALLATION AND START-UP OF ESPRESSO MACHINE.....	17
■ TURNING ON/OFF.....	18
STAND-BY.....	18
■ MAKING COFFEE.....	18
■ SETTING THE QUANTITY OF COFFEE IN A CUP.....	19
■ PREPARING CAPPUCCINO.....	19
■ PREPARING HOT WATER	20
■ PREPARING COFFEE AFTER GENERATING STEAM	21
■ DESCALING	21
■ CLEANING AND MAINTENANCE.....	23
■ RECOMMENDATIONS	25
■ TROUBLESHOOTING	24
■ WARRANTY LIMITATIONS	25

TECHNICAL DATA

Casing: PC+ABS (EU), PC (USA)

Internal thermo block: steel

Water tank: 1.0 liters (33.8 ounces)

Pump: 15 bar

Coffee pressure during extraction: 15 bar

Size: 200 x 340 x 350 mm (7.9 w x 13.4 d x 13.8 h")

2 solenoid valves

Electronic card with the following functions:

- automatic coffee shut off (volume programmable)
- high-precision temperature control (coffee and steam)
- descaling treatment indicator
- boiler temperature indicator
- beeper
- automatic descaling program
- power save

Steam wand

Cup warmer rail

Weight without packaging: 9 Kg

Voltage: 230 V, 50 Hz (EU); 120 V, 60 Hz (USA)

Power: 1200W (EU), 1200W (USA)

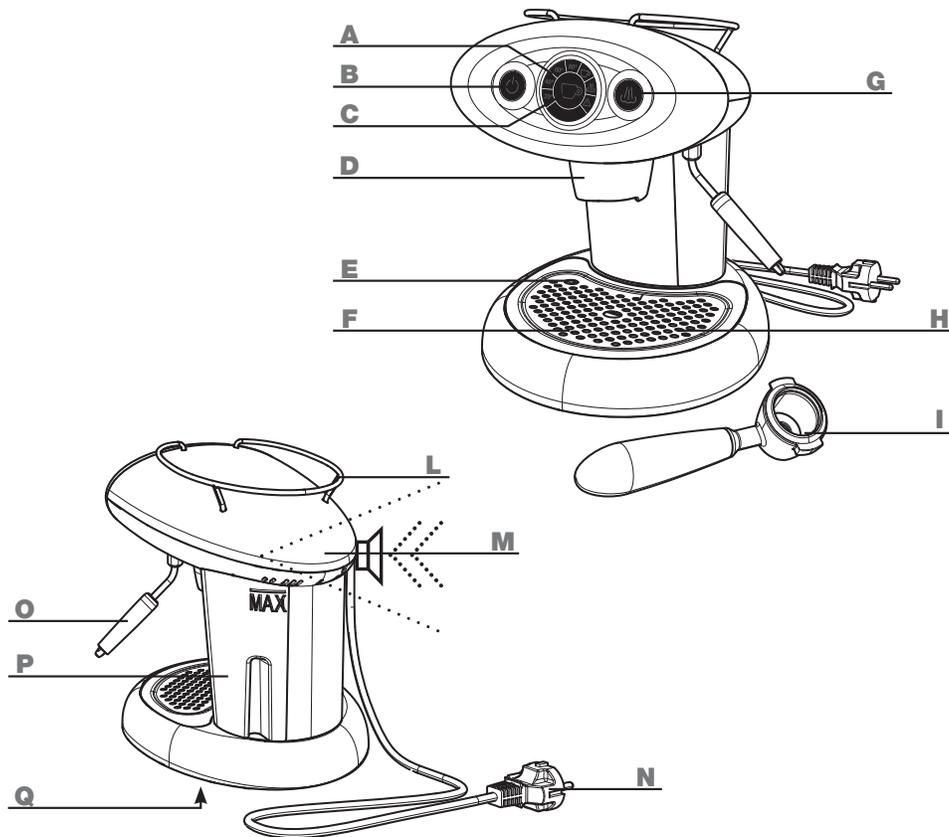
Power consumed in power off mode: <1W

The A-weighted sound pressure level is below 70 dB

The manufacturer reserves the right to make changes or improvements without notice.

MACHINE PARTS

- | | |
|--|---|
| A TEMPERATURE INDICATOR LIGHT
(indicates the machine status) | I CAPSULE HOLDER
(for “Metodo lperespresso” capsules) |
| B MAIN ON/OFF SWITCH | L CUP HOLDER |
| C COFFEE BREW BUTTON
(starts and stops coffee flow) | M INTERNAL BEEPER
(emits an audible signal to the user) |
| D COFFEE BREW HEAD | N POWER CORD |
| E TRAY FULL FLOAT | O STEAM WAND |
| F CUP GRILL | P WATER TANK |
| G STEAM BUTTON | Q DATA PLATE (on bottom) |
| H DRIP TRAY (placed beneath cup grill) | |

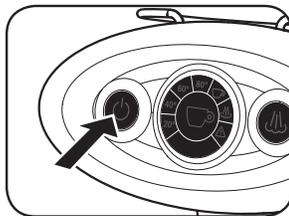


IMPORTANT SAFEGUARDS

When using electrical appliances always follow the safety precautions below.

Using the espresso machine

- Read all Instructions.
- This machine is intended for household use only. Any other use is considered improper and therefore dangerous.
- Unplug the power cord from the electrical socket when the machine is not in use.
- Do not touch hot surfaces. Use handles and knobs.
- This machine is manufactured to “make espresso coffee” and “prepare hot beverages”: use care to prevent scalding due to water spray or any improper use of the machine.
- The machine is not designed to be used by people (including children) with limited physical, mental or sensory abilities or insufficient experience and/or skills, unless they are supervised by a person responsible for their safety, who provides instructions on how to use the appliance.
- Children must be kept under supervision to prevent them from playing with the appliance.
- Use the machine indoors only and away from atmospheric agents.
- To protect against fire, electric shock or personal injury do not immerse the cord, plug or body of the machine in water or any other liquid.
- Do not use the machine for purposes other than those for which it was designed.
- Do not place the machine on, or near, electrical or gas burners or inside a hot oven.
- The machine must be turned on only when being used. After use it must be turned off by pressing the on/off button  and unplugged from the power outlet.
- Before unplugging the machine make sure that the on/off button  is off (unlit).
- Using attachments not recommended by the manufacturer may result in fire, electric shock or personal injury.
- Do not let the cord hang over tables or countertops or touch hot surfaces.
- The appliance has to be placed in a horizontal position.



- The appliance is only to be installed in locations where it can be overseen by trained personnel.
- To reduce the risk of injury, do not drape cord over the counter top or table top where it can be pulled on by children or tripped over unintentionally.

Installation of the espresso machine

- Read the instructions carefully.
- Do not install the machine in an area where the temperature may reach **0°C/30°F** or lower (if water freezes, the appliance may be damaged) or higher than **40°C/140°F**.
- Check that the electrical voltage used corresponds to the requirements indicated on the machine data plate. Connect the machine only to a properly grounded power outlet with a minimum rating of **6 A** for models powered at **230 Vac**, and **12 A** for models powered at **120 Vac**.
- If the plug and the outlet are not compatible, have the plug replaced with a proper one by an authorized service center (applies to 208 volt machines).
- Place the machine on a countertop away from water taps and sinks.
- After removing the packaging, check that the appliance is in perfect condition before installation.
- Do not leave the packaging materials the machine within children's reach.

Cleaning the espresso machine

- Make sure the machine is off; the on/off button  must be unlit.
- Unplug the machine.
- Wait until the machine is cool before cleaning.
- Clean the body and attachments with a wet cloth and then wipe with a non-abrasive dry cloth. It is recommended not to use detergents.
- Do not expose the machine to water spray or immerse it in water, partially or fully.

Troubleshooting

Do not use the appliance if the cord or plug are damaged, if the appliance shows signs of malfunctioning or has been damaged in any way. Take the machine to the nearest authorised service center for checks or repairs.

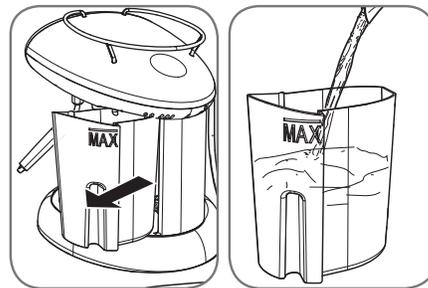
If the power cord is damaged it must be replaced by the manufacturer or an authorised service center.

IMPORTANT: SAVE THESE INSTRUCTIONS.

In case of damage or malfunction, turn off the appliance and do not tamper with it. For repairs contact a service center authorised by the manufacturer and request the use of original spare parts only. Failure to comply with these instructions may compromise safe operation of the machine and will result in the forfeiture of warranty rights.

Improper use of the appliance

- This appliance is intended for household use only. Any other use is to be regarded as improper and therefore dangerous.
- The manufacturer is not liable for accidents caused by non-compliance with existing legislation on electrical grounding systems.
- The manufacturer is not liable for possible damage caused by improper, incorrect or unreasonable use.

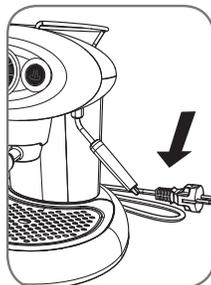


Pull the water tank out of the machine and fill it with fresh drinking water until the MAX mark is reached.

Caution: always fill the tank with fresh, still drinking water only. Hot water or other liquids may damage the tank. Do not use the machine without water.

INSTALLATION AND START-UP OF ESPRESSO MACHINE

Before connecting the machine to a power supply, carefully read the safety instructions given in the chapter: "IMPORTANT SAFEGUARDS".

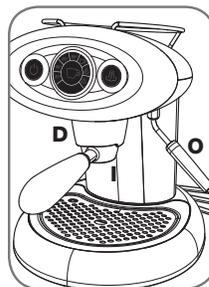


Make sure that the machine is unplugged.

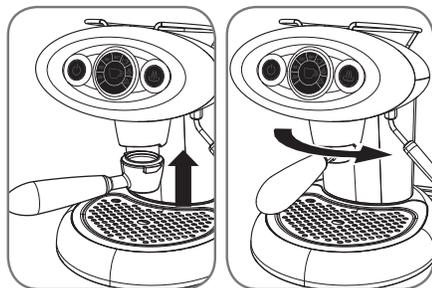


Fit the tank to the machine, making sure it is fully inserted in place.

Insert the plug into the outlet. Consult the following chapter to switch on the appliance.



Note: it is advisable to keep the original packaging (at least for the duration of the warranty period) in order to ship the machine to an authorised service center for repair if necessary.



Insert the capsule holder from below and turn it to the right until it locks into place.

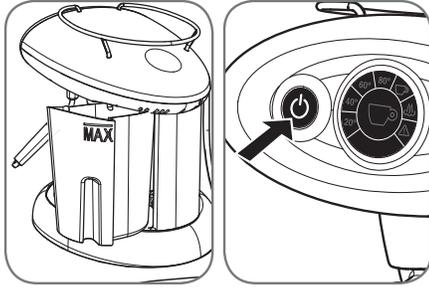
Caution.

While the machine is operating, contact with the brew head D, the steam wand O or the metal part of the capsule holder may cause burns.

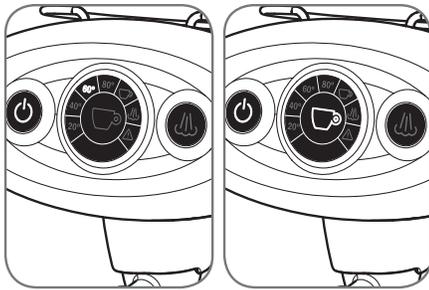
TURNING ON/OFF

Before switching on the machine check the water level in the tank; if necessary add water as described previously.

Empty and rinse out the drip tray every time you fill the water tank.



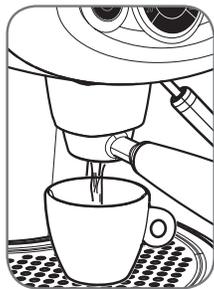
To switch the machine on, press the  button until it lights up.



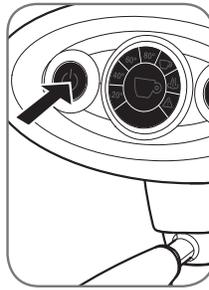
The icons in the circle will light up progressively to indicate the increase in the boiler temperature.

After a few minutes, when the machine reaches the operating temperature, the brew button symbol will light up and a brief beep will be emitted.

If the triangular symbol  lights up and an intermittent beep is emitted, please consult the chapter: "PROBLEMS AND SOLUTIONS".

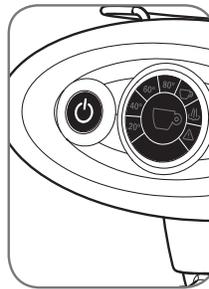


Note: When using the machine for the first time or after a long period of disuse, we suggest dispensing a few cups of water without capsule.



To switch the machine off, press the  button until the front panel goes off; never disconnect the plug from the power outlet when the machine is switched on.

Stand-by



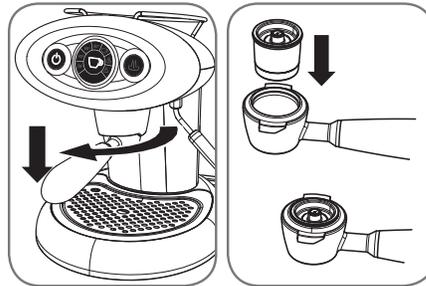
The machine has been programmed to respect the environment and reduce consumption when it is not being used.

When it is not in use, after 30 minutes the machine will switch off automatically.

5 minutes before automatic switch off, the  button will flash. If you want to machine to stay on, press the button.

MAKING COFFEE

The X7.1 machine is designed to function exclusively with illy "Metodo lperespresso" capsules.

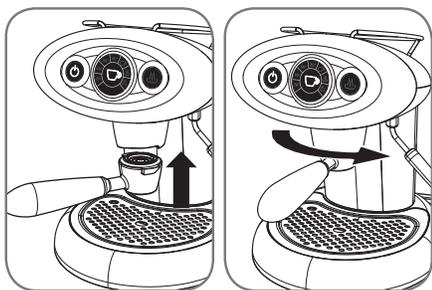


To make coffee, carry out the following steps:

- Turn the capsule holder to the left and remove it from the brew head.
- Insert the capsule as shown in the figure.

Note: the capsule should slide easily into place; if this is not the case take it out and reposition it correctly.

Note: coffee will start flowing out a couple of seconds after you press the button; this is normal for the operation of the machine.



- Insert the capsule holder in the brew head; turn the handle to the right until it locks into place.
- Check that the coffee button  is lit.
- Press and release the coffee button ; the machine will brew the programmed quantity of coffee. To stop the flow in advance, press the button again.

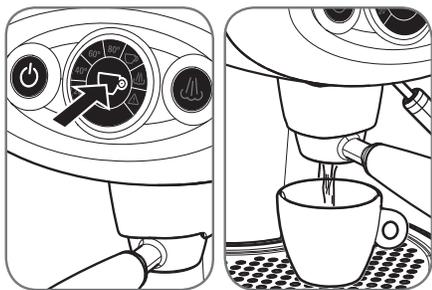
To make other coffees, remove the used capsule and repeat the above steps.

Warning:

- **The capsules are single-dose and cannot be used to make two coffees.**
- **To ensure greater safety, the machine automatically stops flow after approximately one minute.**
- **Remember to empty and clean the drip tray frequently.**

SETTING THE QUANTITY OF COFFEE IN A CUP

The X7.1 machine allows you to brew the desired quantity of coffee in two modes: automatic and manual.



AUTOMATIC MODE - to set and memorise the quantity of coffee to be brewed, carry out the following steps:

- Insert a capsule into the capsule holder and then fit the latter to the brew head.
- Place a cup beneath the capsule holder.

- Press the coffee button and **keep it pressed** until the coffee has reached the desired level. Release the button. The machine is now programmed.

MANUAL MODE - to set the machine to work in the manual mode, carry out the following steps:

- Insert a capsule into the capsule holder and then fit the latter to the brew head.
- Place a cup beneath the capsule holder.
- Press the coffee button and **keep it pressed** until the machine automatically stops dispensing coffee. Release the button. In this case the programming has been cancelled.

Note: in the automatic mode it is also possible to make coffee using the manual procedure.

- Press the coffee button for about 3 seconds;
- Press the coffee button again to stop the flow;
- In this manner you will not change the quantity of coffee initially programmed.

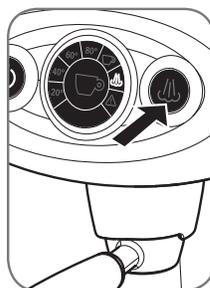
Note: when the machine is set for **MANUAL MODE** of the quantity of coffee, after you start brewing it will be necessary to press the coffee button again when the coffee has reached the desired level in the cup in order to stop the flow.

PREPARING CAPPUCCINO

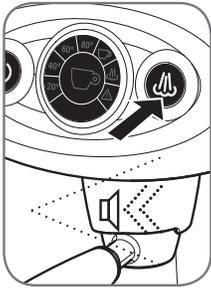
The machine features a steam wand for frothing the amount of milk necessary to prepare one or more cappuccinos.

Prepare one or more cups of coffee following the instructions in the previous section.

Froth the milk as follows:



Press the steam button ; the steam icon in the central circle will light up to signal that the machine is getting ready to dispense steam.



When the machine reaches the right temperature, the  button will light up.

At this point the machine will emit a brief beep.



Place a suitable empty container (preferably a metal pitcher) beneath the steam wand and press the  button to discharge any residual water; when only steam comes out press the button again.

Note: while steam is being dispensed the  button will flash.

- Pour refrigerated milk into a suitable container (preferably a metal pitcher).

Note: For an optimal result: pour 75ml of cold whole milk taken directly from the fridge into a container (preferably a metal pitcher) and keep the steam wand submerged in the milk for a maximum of 25 seconds.

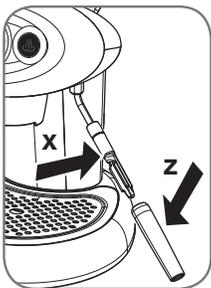


Submerge the steam wand **completely** into the milk.

Press the  button and wait for the milk to froth.

On reaching the desired result, press the  button again.

- After each use, you should thoroughly clean the steam wand of milk residue:



Press the  button for a few seconds.

Then press the  button again.

Wait a few minutes for the wand to cool down.

Remove the outer part **Z** and wash it under running water.

Wipe the inside part **X** clean with a wet cloth.

*Note: The two end parts of the steam wand can also be washed in a dishwasher; in this case also remove the inside part from the metal tube. After cleaning, fit the inside part **X** all the way onto the steam wand; then fit the outer part **Z**.*

Warning:

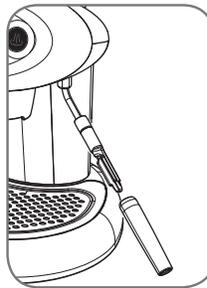
- Contact with steam and with the steam wand may cause severe burns.
- If no steam is dispensed, after about 5 minutes the machine will automatically switch back to the coffee brewing mode; a minute before this occurs the  button will flash. If you want to dispense more steam, press the button.
- While the machine is warming up and as long as it remains in the steam mode, it carries out heating cycles in the boiler which may cause small amounts of steam to be discharged from the capsule holder: therefore, keep limbs and other parts of the body away from the coffee brew zone in order to avoid scalding.

PREPARING HOT WATER

The steam wand of the machine can also be used to dispense hot water for making tea and infusions.

Check that the coffee button  is lit.

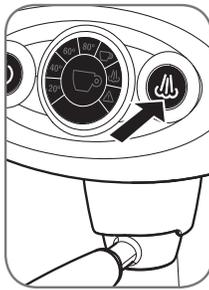
Carry out the following steps:



Clean the steam wand of any milk residues.

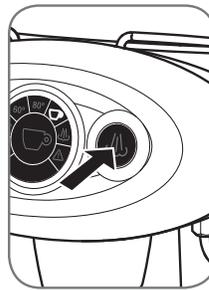


Place a metal pitcher beneath the steam wand.



Press the steam button  for at least 3 seconds.

The machine will start dispensing hot water; the steam button  will flash rapidly.



Keep the steam button  pressed down for 3 seconds.

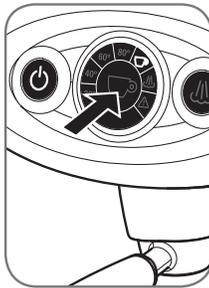
A programmed quantity of hot water will be dispensed; the flow will stop automatically.

Press the steam button  again on reaching the desired quantity of water.

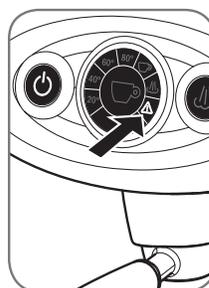
PREPARING COFFEE AFTER GENERATING STEAM

It is very important to avoid making coffee right after dispensing steam because the water generated by the thermo block is too hot and will impair the flavor of the coffee.

For this reason the coffee button  is disabled when the thermo block temperature is too high.



To switch the machine back to the coffee mode, press the coffee button and wait until the  button lights up; during this cooling down phase (approximately 10 minutes), the cup icon in the central circle will flash.



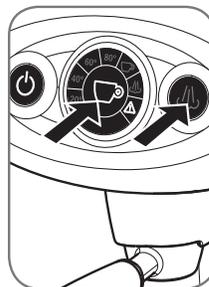
If the  icon in the central circle flashes (1 flash every two seconds) proceed as follows:

To switch the machine back to the coffee mode quickly (approximately 1 minute), carry out the following steps:



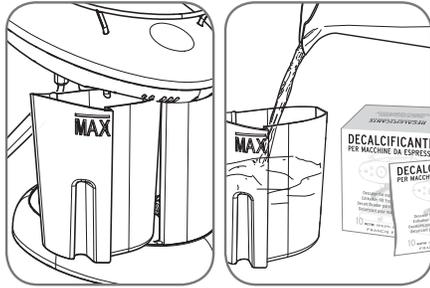
Place a metal pitcher beneath the steam wand.

Starting the procedure:

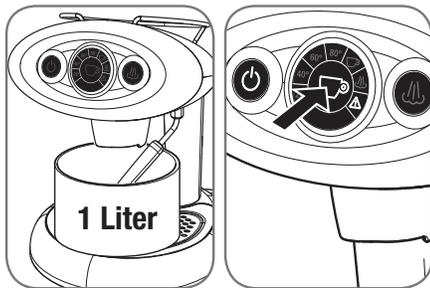


Keep the coffee button  and steam button  pressed down together for at least 5 seconds.

The  and  buttons and the  icon in the circle will flash simultaneously to signal that the automatic descaling cycle has been selected.

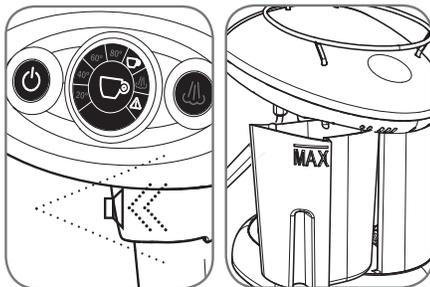


- Take out and fill the tank with 1 litre of water (up to the MAX level).
- Introduce the descaling product supplied with the machine into the tank full of water; wait for it to dissolve.
- Remove the capsule and capsule holder.



- Place an empty container with a capacity of at least 1 litre beneath the brew head.
- Turn the steam wand toward the container; water will flow out both from the brew head and the steam wand.
- Press the button.

The button and the icon in the circle will flash simultaneously to signal the beginning of the descaling cycle, which lasts about 30 minutes.

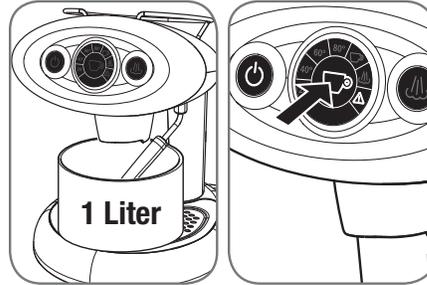


- At the end of the cycle the machine will emit a beep. The button and the icon in the circle will start flashing together with the other signals already present.

At this point it is necessary to clean the internal water circuit of the machine of any residues of the descaling agent.

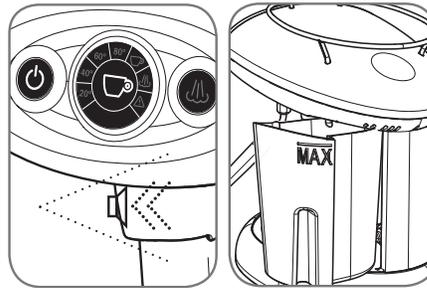
That is, the machine must be run through a rinse cycle; carry out the following steps:

- Remove the tank and clean it thoroughly; fill it with 1 litre of fresh water (up to the MAX level).



- Place an empty container with a capacity of at least 1 litre beneath the brew head.
- Turn the steam wand toward the container; water will flow out both from the brew head and the steam wand.
- Press the button.

The button and the icon in the circle will flash simultaneously to signal the beginning of the cycle for rinsing the internal water circuit of the machine.



- At the end of the rinse cycle all the flashing signals will go off and a beep will be emitted.
- Remove the water collection container from beneath the brew head and wash it thoroughly.
- Refill the water tank again.
- Now the machine is ready for use.

WARNING:

- **Should a mains power failure occur during the descaling procedure, it will be necessary to repeat the cycle from the start.**
- **If descaling is not performed as needed, scale build-up may cause malfunctioning not covered by the warranty. It is advisable to use the descaling agent supplied with the machine.**
- **Do not use vinegar, lye, salt or formic acid because they may damage the machine.**

The descaling solution must be disposed of in accordance with the applicable laws and regulations.

CLEANING AND MAINTENANCE

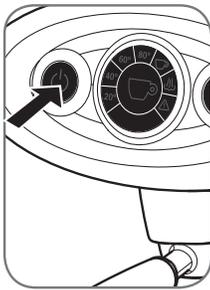
The machine and its components must be cleaned at least once a week.

Keep the water in the tank fresh; wash the tank and fill it daily with fresh drinking water.

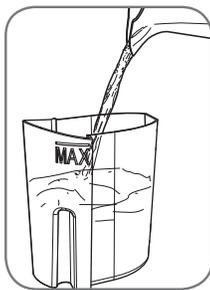
Do not use ethyl alcohol, solvents, abrasive sponges and/or aggressive chemicals.

Caution: do not dry the machine and/or its components in a microwave or conventional oven.

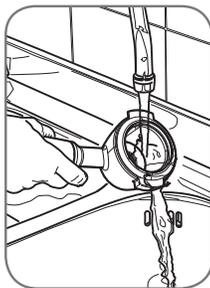
To clean the machine, carry out the following steps:



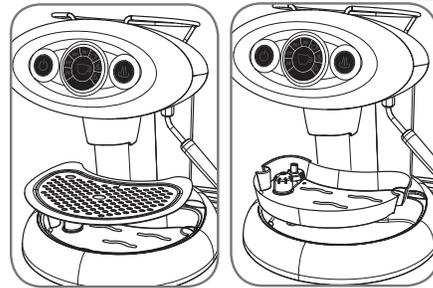
Switch the machine off and disconnect the plug from the power outlet.



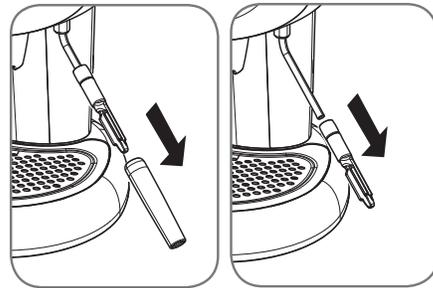
Remove the water tank and wash it under running water.



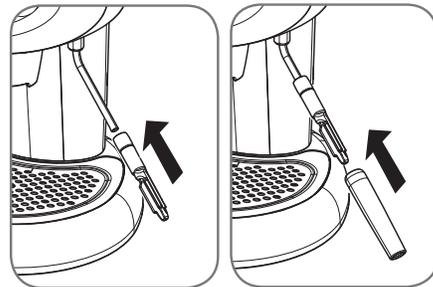
Empty out the capsule holder and wash it under running water.



- Remove the grill and wash it with warm water.
- Remove the drip tray and wash it with warm water.



- Remove the outer end part of the steam wand.
- Remove the inside part of the steam wand from the metal tube.
- After separating the two components, wash them separately with warm water.



- After washing the components fit the inside part on the metal tube and then fit the outer part.

Note: when you refit the inside and outer end parts of the steam wand, make sure to push them up all the way.

TROUBLESHOOTING

You press the  button but it does not light up.	Check the mains electrical connection; check the status of the circuit breakers protecting the home electrical system.	
The machine does not make coffee.	<p>Carry out the following operations:</p> <ul style="list-style-type: none"> - Fill the water tank; make sure it is fitted completely into place. - Remove the capsule holder from the coffee brew head. - Wait until the  button lights up (machine ready to brew). - Place a container underneath the brew head and press the coffee button. - Dispense water for a few seconds. - Stop the flow. - Insert a new capsule in the capsule holder and fit it to the brew head; proceed with making coffee. 	
You press the  button and the machine does not dispense steam. Steam comes out but it does not froth the milk.	Case a)	If the steam icon in the circle is lit, wait until the steam button lights up.
	Case b)	If the steam icon in the circle is not lit, press the steam button and wait until the steam button lights up (machine warming up).
	Case c)	Possible clogging of the steam wand: switch off the machine; wait for it to cool down (at least an hour); remove any obstructions from the outlet holes of the steam wand.
Water leaks out of the brew head during brewing.	Insert a new capsule in the capsule holder and fit it to the brew head; proceed with making coffee.	
Fast beeps and flashing triangular icon.	<p>Carry out the following operations:</p> <ul style="list-style-type: none"> - Switch off the machine. - Fill the tank. - Place a container under the steam wand and press the  button. - Switch on the machine and wait about 10 seconds for the  button to light up. 	
 Triangular icon flashing rapidly.	Carry out a descaling cycle.	
Water leaks from the inside of the machine.	Switch off the machine and unplug it.	
Water leaks from the tank after you have filled it.	Empty the tank; press on the transparent rubber gasket of the coupling valve inside the tank.	
Some drops of coffee come out of the capsule during the first seconds of brewing.	Any dripping that occurs during the first seconds of brewing is to be considered normal.	

Note: If the problem persists, contact an authorised service center.

RECOMMENDATIONS

To enjoy a high quality espresso, remember to:

- Change the water in the tank at least once a week.
- If possible use water with a low calcium content to reduce scale build-up inside the machine.
- Used warmed cups.

This appliance is intended to be used in household and similar applications such as:

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

WARRANTY LIMITATIONS

The warranty does not cover damage or malfunctions caused by:

- failure to carry out periodic descaling.
- operation with a voltage that differs from the rating shown on the data plate (see chapter MACHINE PARTS).
- improper use or use that is not compliant with the instructions.
- internal modifications.

The warranty does not cover the costs of repairing machines that have been handled by non-authorized service centers.

Such costs shall be completely borne by the customer.

It is recommended:

- not to place the drip tray in a dishwasher
- to always keep the bottom of the inside of the column supporting the tank dry.

Failure to follow these recommendations may cause damage to the machine body which is not covered by the warranty.

WARNING:

It is advisable to keep the original packaging (at least for the duration of the warranty period) in order to ship the machine to a service center for repair if necessary.

Any damage caused by transport without adequate packaging will not be covered by the warranty.



Disposal of end-of-life electric and electronic equipment by private households in the European Union.

The WEEE symbol used on this product means that it must not be disposed of together with other domestic waste and should be collected separately. Consumers have the opportunity to hand in their used appliance to distributors free of charge on a 1:1 basis when they purchase a new product..

For further information about the collection of appliances to be scrapped, please contact the local authority in your town of residence, the local waste disposal service or the retailer where the product was purchased. Consumers are responsible for disposing of end-of-life appliances in accordance with the current provisions of law and non-compliance therewith may be subject to fines and criminal sanctions.

The correct disposal of this product will contribute to protecting the environment, natural resources and human health.

