



espresso coffee machines

**MANUAL FOR USE
AND MAINTENANCE**

S1 VIVALDI

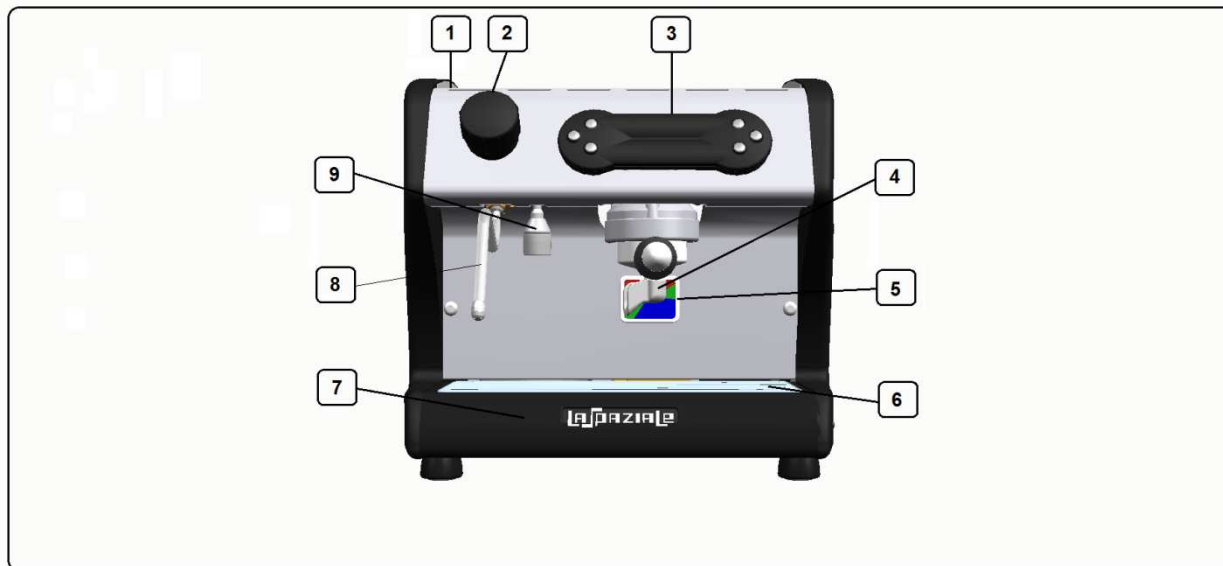
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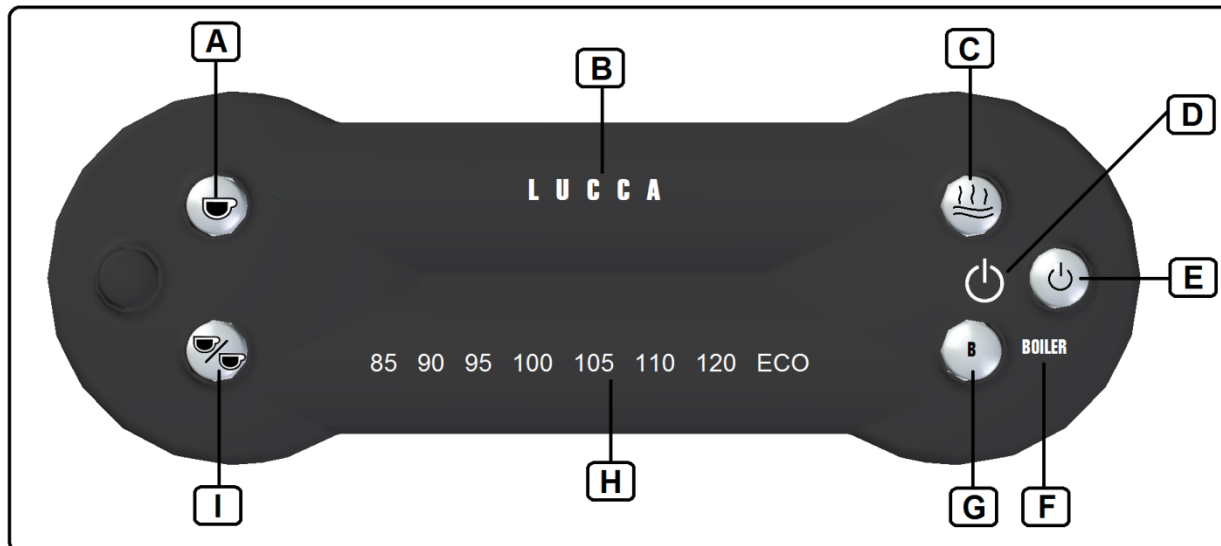
1. GENERAL DESCRIPTION OF THE MACHINE



LEGEND

- | | | |
|------------------|----------------------|--------------------|
| 1. Top Grid | 4. 1-Cup Portafilter | 7. Water Drip Tray |
| 2. Steam Tap | 5. Gauge | 8. Steam Wand |
| 3. Control Panel | 6. Drip Tray Grid | 9. Hot Water spout |

1.1 DESCRIPTION OF CONTROL PANEL



LEGEND

- A. Single coffee button
- B. logo
- C. Hot Water Button

- D. Stand-by light
- E. On-off button
- F. Boiler light

- G. Boiler button
- H. Coffee group -temperature
- I. Double coffee button

2. GENERAL ADVICE FOR THE INSTALLER

Read carefully the instructions and warnings contained in this manual and in the “**INSTRUCTION MANUAL FOR THE INSTALLER**”, since they provide important indications concerning the installation of the appliance.

ATTENTION!

The electric system, water supply system, drainage system, MUST already be put in place by the customer in order to allow the proper installation of the machine. The installation engineer cannot change the existing system put in place by the customer. See chapter 2.2: “Installation requirements for the user”.

ATTENTION!

The appliance must be installed where use and maintenance are restricted to trained staff.

2.1 GENERAL WARNINGS

ATTENTION!

CAREFULLY READ THE FOLLOWING WARNINGS, WHICH OFFER IMPORTANT GUIDELINES FOR THE SAFE USE AND MAINTENANCE OF THE APPLIANCE.

The appliance must only be used for its intended purpose and it must be installed in a suitable place for its use. Any other use is therefore considered as improper and unreasonable.

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The manufacturer cannot be held liable for any damage caused by improper, incorrect or unreasonable use. Installation must be carried out by qualified personnel according to current laws and to the manufacturer's instructions. Incorrect installation may cause damage to people, animals or property for which the manufacturer cannot be held liable.

DANGER!

The electrical safety of the appliance is fully achieved only after it has been correctly connected to an earthing system as required by the laws in force.

It is necessary to have the earthing connection checked by professionally qualified personnel. The manufacturer cannot be held liable for any damage caused by the lack or inefficiency of the system's earthing connection. The appliance has not been designed for outdoor use. It must only be operated in a place where the ambient temperature is between **+5°C** and **+40°C**.

ATTENTION!

The use of any electrical appliance also requires observance of the following important regulations.

- Do not touch the appliance with wet or damp hands or feet.
- Do not use the appliance barefooted.
- Do not pull the power supply cord to unplug the appliance from the mains power.
- Do not allow children or unqualified persons to use the appliance.
- Access to the appliance's service area must be restricted to those persons with the relevant practical experience and familiarity with the appliance itself, especially in terms of safety and hygiene.
- The device is not intend to be used by people (children included) whose physical, sensory or mental capability are reduced, unless they could benefit, through the intermediation of a person in charge of their safety, of a guard or of instructions concerning the device's use. Children must be kept under surveillance to be sure they wouldn't play with the device.

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- Before carrying out any routine maintenance or cleaning operation, disconnect the appliance from the mains power and shut off the water supply tap.
- In the event of damage and/or malfunction of the appliance, switch it off completely without trying to make any direct repairs. Contact the nearest Service Centre authorised by the manufacturer.
- In order to guarantee the proper efficiency and operation of the appliance, it is fundamentally important to follow the manufacturer's instructions, and to follow a regular maintenance schedule.
- The appliance has **IPX2** protection against water and therefore, it cannot be installed in areas where it may be subject to jets of water.
- The appliance has **class I** protection against electric shocks.
- The noise emitted by the appliance during normal operation is less than **70 dB**.

ATTENTION!

Failure to comply with the above regulations could jeopardise the correct operation and safety of the appliance as well as its useful lifetime.

2.2 INSTALLATION REQUIREMENTS FOR THE USER

The appliance must be placed on a flat and stable surface and a surface height for the appliance of no less than 1.2 metres from the ground. Check this important requirement, since the manufacturer cannot be considered liable for any damage caused by the instability of the appliance. While preparing the system, take into account that a hole is needed in the bearing surface in order to make all electric and water connections through the opening below where a water softener will need to be fitted, if recommended by the installation engineer.

A hole of **10 x 10 cm** is enough in the area (a) as indicated in

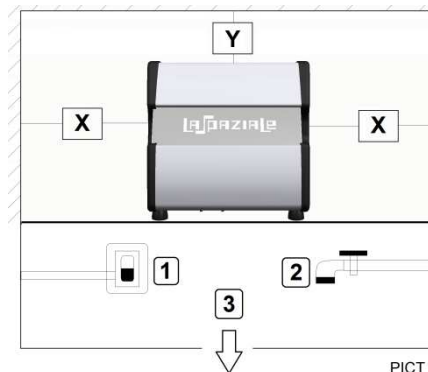
Pict 3.

The machine needs a minimum clearance of:

- height 60 cm.
- width 40 cm.
- depth 40 cm.

Between the water mains and the water inlet pipe of the appliance, there must be a tap to stop the water flow if necessary (2 - Pict.3).

- The water mains pressure must be within the range of **1 and 6 bar**.
- If this requirement is not met, please consult the manufacturer.
- The appliance is supplied without a plug. It is supposed to be directly connected to the electric mains and therefore, it is necessary to fit a single-pole switch with contact opening of **3 mm** or more beforehand, according to the regulations in force (1 - Pict.3).



PICT 3

Legend

1 Single pole switch with an opening of at least 3 mm between contacts.

2 Water supply tap

3 Drain siphon

X min. 20 cm.

Y min. 40 cm.

Z min. 10 cm.
Distance between the back of the appliance and the wall.

- The drainpipe of the appliance must be directly connected to a suitable open drain siphon, previously installed by the customer (3 - Pict.3). Do not fit the drain pipe into basins or buckets placed under the counter as this will increase the possibility of forming dirt deposits and as a result, the spread of bacteria.

 **ATTENTION!**

The appliance is supplied without water in the boiler. This is to prevent serious damage if the appliance is exposed to low temperatures. The appliance must only be supplied with cold drinking water.

2.3 WARNING/TECHNICAL DATE LABELS AND NAMEPLATES APPLIED TO THE MACHINE

In the figure below are shown the warning/technical data labels and nameplates positioned on the machine.

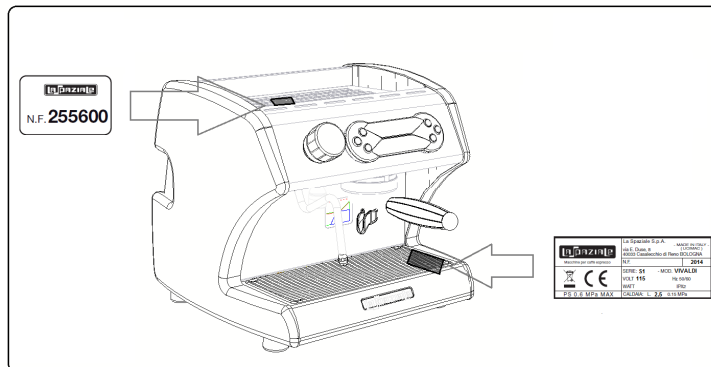
ATTENTION!

Dedicate the time necessary to familiarise yourself with these labels.

Ensure that they are readable and keep them clean or replace those that have deteriorated or illegible (both the text and the graphics).

Use a soft cloth, soap and water to clean the labels. Do not use solvents, petrol, etc..

If a label is positioned on a component part that has to be replaced, ensure that the new component has the same label applied or a new one.



3. REMOVING THE PACKAGING

After unpacking the machine, please check its integrity; in case of doubt, do not use it and consult the manufacturer. Packaging materials must not be left within children's reach since they are potentially dangerous.

 **ATTENTION!**

The appliance weight is more than 30 kg and therefore, it cannot be moved by a single person alone.

 **TAKE NOTE!**

Dispose of the packaging as per the norms in force of the country in which the machine is utilised.

3.1 STANDARD EQUIPMENTS OF THE MACHINE

- A. 1 set of filter holders with relative spouts
- B. 1 complete set of hoses for connection to water mains
- C. 2 sets of filters
- D. 1 set of shower heads
- E. 1 wrench for shower head removal
- F. 1 brush
- G. 1 blind filter
- H. 1 manual coffee tamper
- I. 1 set group-head gasket

4. COMMISSIONING THE MACHINE

- Open the water supply valve as envisaged in the preparations for installation (See Pict. 3 on page 8 - Rif. 2).
- Check for any water leaks from the hosing/connections.
- Switch on the main breaker as envisaged in the preparations for installation (See Pict. 3 on page 8 - Rif. 1).

5. SWITCHING ON THE MACHINE

- Insert the plug into the socket of the electric system, the control light (D) starts flashing to show the connection to the electric main source (Stand-by).
- Press the ON / OFF (E) button and keep it pressed for about 3 seconds, the red light (D) from flashing becomes fixed to show the actual turning on of the machine. At the same time the lights of the coffee group temperature (H) turn on fixed for about a second (checking of the electronic part). The light corresponding to the set temperature starts flashing to indicate that the group is being heated up and the automatic refill of the boiler starts until the water level foreseen by the manufacturer is reached.
Once the filling process is finished, the light of the boiler (F) starts flashing to indicate that the boiler is being heated up; after the first switching on, the boiler doesn't work until the group has reached the set temperature.
- Fasten the filterholder (4) to the brewing group.
Wait until the set temperature is reached, making sure that the leds on the control panel (H) switch on progressively as the temperature increases.
The visualization of the leds will start as soon as the temperature reaches the minimum value (85°C for the VIVALDI), when the corresponding led switches on and continues until the appliance reaches operating Temperature (the led goes from flashing to fixed).

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- When the group has reached the set temperature the heating of the boiler starts (light boiler F flashing), once it reaches the set the light becomes fixed. Every time the temperature of the group or of the boiler drops under the set, the relative led, indicating the operating temperature, starts flashing (heating phase) until the set temperature is reached. The machine is now ready to be used.

N.B. The operating temperature is the temperature of the machine during standard operation.

⚠ WARNING!

To activate and deactivate the boiler mode press the “BOILER” (26) button. Every time you turn on the machine the boiler is in service.

When the boiler is turned off, it is impossible to make hot water and steam deliveries. The machine can also operate in the economy mode (see relative paragraph).

5.1 COFFEE PREPARATION

- Unfasten the filterholder (4) from the brewing group and insert the filter for one or two cups.
- Fill it with ground coffee, (using the coffee doser provided) making sure not to leave coffee powder on the upper edge of the filterholder (4), and press it with the suitable coffee tamper provided.
- Reattach the filter holder (4) to the group so that it is secure but not excessively tight.
- Place one or two cups below the filterholder (4)
- Press the button corresponding to one cup (A) or two cups (I) to start the delivery. Once the desired quantity of coffee programmed is reached, the delivery automatically stops.

If you want to stop in advance the delivery, which was started with one of the buttons with preset doses, it is enough to press the same button again.

 **WARNING!!!**

While the machine is in operation, check frequently the filling level of the drip-tray (1) and, if necessary, proceed and empty it out.

5.2 POURING HOT WATER FOR PREPARING INFUSIONS

- Place the pitcher below the hot water output (9).
- Press the hot water delivery push-button (C).
- The hot water delivery starts (at this stage the pump is working).
- Once the desired quantity is reached, stop the delivery by pressing the same button (C).

5.3 STEAM DELIVERY

- Insert the steam wand (8) in the pitcher containing the drink to be heated up.
- Turn the steam knob (2) anticlockwise, regulating the steam flow according to need.
- At the end of the heating phase of the drink, stop the steam delivery by turning the steam knob (2) clockwise.
- Remove the pitcher from the steam wand (8) and clean immediately with a humid sponge the steam wand from possible residues of the heated drink.

5.4 ECONOMY MODE

This mode is meant for less frequent uses of steam and water for infusions, in fact priority is always given to the heating of the group for coffee delivery rather than to the heating of the boiler.

In this way the two heating-elements are never fed at the same time, with a consequent remarkable power saving.

In order to activate this mode press button boiler (E) and keep it pressed for about 10 seconds, the red light F turns on. To deactivate it, follow the same procedure again, until the light F turns off.

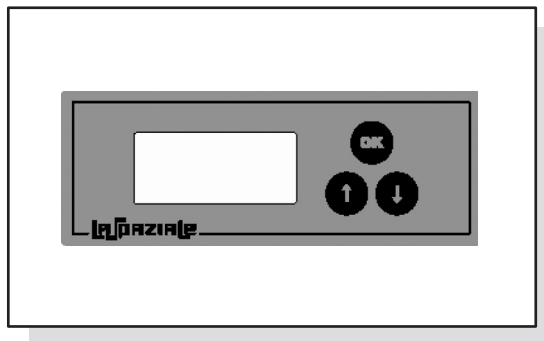
WARNING!

This mode can be activated on appliances with the following voltages: 230 V 115 V with 20 A plug

It is not possible to activate the ECONOMY mode on appliances with the following voltages
115 V with 15 A plug.

6. DOSE COUNTER (OPTIONAL)

This additional module is meant to manage the appliance according to a pre-loaded quantity of coffee doses with the relevant visualization of the partial and total counters for the cups of coffee delivered and the consequent block of the machine.



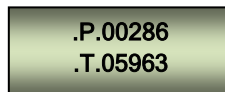
When the appliance is plugged in and therefore, even with the machine in stand-by, the dose counter is powered and the display shows the main screen as illustrated below:



01927 is the number of the coffee deliveries which are still allowed.
02000 is the number of the coffee deliveries which are pre-loaded.


6.1 VIEW OF PARTIAL AND TOTAL COFFEE COUNTERS

Pressing the button during normal operation, the display will show:




P.00286 refers to the partial counter of cups of coffee delivered since the last reset (the partial number is the sum of 1-cup and 2-cup coffee delivered).

T.05963 refers to the total counter of cups delivered since the appliance was installed (the total number is the sum of 1-cup and 2-cup coffee delivered).





Pressing the  button again or waiting for 30 seconds without operating on the module will cause the display to show the main screen again.


6.2 PARTIAL COFFEE COUNTER RESET

When viewing the partial and total numbers of cups of coffee delivered, if the  button is pressed and held down for 3 seconds, the display will show:



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The letter **N** will flash; if the  button is pressed to confirm the setting, the display will return to the previous information viewed; moving the   buttons, will cause the letter **Y** to start to flash; pressing the  button will reset the partial counter of the cups of coffee delivered and return to the previous screen and the display will then show:



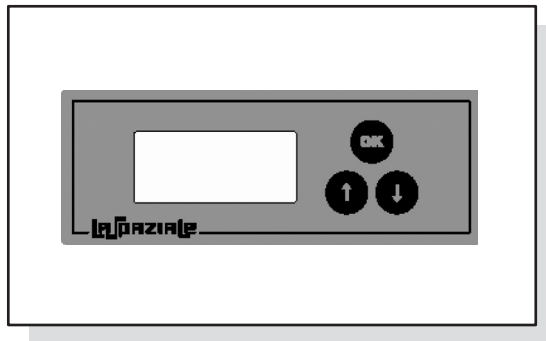
.P.00000
.T.05963

 **TAKE NOTE!**

Totals cannot be reset.

7. CLOCK / TIMER MODULE (OPTIONAL)

This additional module serves to set the time for the appliance to switch on and off for each day of the week.



Plug the appliance into the mains power; this way even with the appliance on standby, the clock module (TIMER) will be powered and the display will show the logo «**La Spaziale**» for 3 seconds, followed by the software version and then the current time and date.



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If the timer is set, instead of the date it is possible to see the time that the appliance will next switch on if it is switched off (ON 14:30), or the time that the appliance will next switch off if it is on (OFF 21:30).

TAKE NOTE!



This only happens if the operations will occur before midnight of the current day.

If the Timer is not set, the message “**Timer Off**” will be shown under the time.

7.1 PROGRAMMING

When the  is pressed and held down for 3 seconds from the main screen, the display will read:


SELECT
TIMER

Using the   buttons, it is possible to select the other possible settings, which are:


SELECT
LANGUAGE



SELECT
CLOCK

To set one of the three possible choices, stop at the required screen and press the  button.




7.2 SETTING

Confirming the “**Select Clock**” function with the  button, it is possible to proceed to set the current date/time; the display will read:






DAY
MONDAY

The day of the week (Monday) will flash.

Pressing the   buttons will select the current day of the week and the  button will confirm the selection; at this point the display will read:






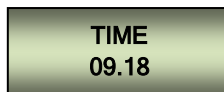
The month (January) will flash.

Pressing the   buttons will select the current month and the  button will confirm the selection; at this point the display will read:









The date (30) will flash.

Pressing the   buttons will select the current year and the  button will confirm the selection; at this point the display will read:







The hour (09) will flash.


Pressing the buttons   will select the current hour and the  button will confirm the selection; at this point the minutes (18) will start to flash; pressing the buttons   will select the minutes and the  button will confirm the selection; at this point the display will read:



The word **YES** will flash;

pressing the  button and confirming the setting will make the daylight saving/winter time change. Pressing the buttons   to select **NO** (flashing) and confirming with the  button will mean no daylight saving/winter time change will be made.

7.3 ON/OFF TIMER SETTING

Confirming the “**Timer Select**” function with the  button, it is possible to set the appliance on/off times with the weekly timer; the display will read:



The word **ON** will flash; pressing the  button and confirming the datum will pass to

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the setting to switch

the appliance on and off using the timer. If the   buttons are pressed, this selects **OFF** (flashing)

and confirming with the  button means the appliance will not be controlled by the timer and switching on and off will be controlled manually.





Confirming with **ON**, to set switching on and off by timer, the display will read:




The day of the week will flash; pressing the   buttons will scroll through the days of the week; confirm the day to be set, in this case, Monday, using the  button and the display will show the switch on time for that day:




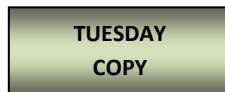
The two digits for the time (07) will flash; pressing the   buttons selects the time and to confirm, press

the  button. The minutes (35) will automatically start to flash; press the   buttons to select the minutes and then press the  button to confirm. The function automatically passes to set the switch off time and the word **Mon 1°ON** on the display will become **Mon 1° OFF**. The procedure for selecting the hour and minutes for switching off is the same as for switching on.

TAKE NOTE!

The timer can control three different time periods. After confirming the minutes for the switch off time, pressing the  button it is possible to select, for the same day, another two switch on and off times for the appliance. The procedure is identical to the one described here above. If only one switch on and one switch off time is required for the whole day, it is sufficient to set the first time period and then to set the same switch on and off times for the other two time periods, coinciding with the OFF time of the previously set time period.


After setting the first day and confirming the OFF time for the third time period with the  button, the display will read:




TUESDAY
COPY

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The day (Tuesday) will flash.

For the same time settings as the previous day, hold down the  button for 3 seconds to copy all of the settings and the display will move to the next day. Repeat the operations until the day in which different timer settings are required.

The day will flash; press the  button to set the times as described here above for Monday.

TAKE NOTE!

To leave the machine on for more than one day, it is necessary to set the OFF time for the selected day and the ON time for the next day so that there is a one-minute difference (OFF 23:59 - ON 00:00).

8. ALARMS DESCRIPTIONS

VOLUMETRIC DOSING SYSTEM FAULTY

This alarm indicates the malfunction of the flowmeter or a too fine coffee grinding. This is shown by the turning on of the lights **85-90-95** if you are making one coffee dose and of the lights **100-105-110** if you are making a two coffee dose.

The machine keeps delivering coffee without stopping at the programmed dose, in order to stop it press the one coffee (A) or two coffee (I) button.

If this alarm is visualized call the authorized assistance centre.

DAMAGED TEMPERATURE PROBE OF THE GROUP

This alarm is a blocking one, and is visualized when the temperature probe of the group is in short circuit (temperature above 145°C) or is interrupted (temperature inferior to 60°C). The lights **120-ECO** turn on.

If this alarm is visualized call the authorized assistance centre.

DAMAGED TEMPERATURE PROBE OF THE BOILER

(only with the boiler turned on)

This is not a blocking alarm and is visualized when the temperature probe of the boiler is in short circuit (temperature above 145°C) or is interrupted (temperature inferior to 60°C). The lights **110-120-ECO** turn on. To eliminate the visualization deactivate the boiler pressing the Boiler button **G** and the machine can keep working even without the boiler being on.

If this alarm is visualized call the authorized assistance centre.

DAMAGED STATIC RELAY OF THE GROUP

This alarm is a blocking one, and is visualized when the triak always remains in conduction (temperature above 140°C). The lights **120-ECO** are flashing.

If this alarm is visualized call the authorized assistance centre.

DAMAGED STATIC RELAY OF THE BOILER

(only with the boiler turned on)

This alarm is a blocking one, and is visualized when the triak always remains in conduction (temperature above 140°C). The lights **110-120- ECO** are flashing.

If this alarm is visualized call the authorized assistance centre.

DAMAGED FILLER UP OF THE BOILER (only with boiler on)

This is a blocking alarm that is visualized when the water filling of the boiler has remained on for more than 3 minutes.

The Boiler light **F** starts flashing. In order to delete this alarm, deactivate the boiler by pressing the boiler button **G**, the machine can keep working without the boiler being on.

If this alarm is visualized call the authorized assistance centre.

9. REGULAR MAINTENANCE OF THE EQUIPMENT BY THE USER

In order to grant the efficiency of the equipment and to maintain its proper operation, it is necessary to follow the manufacturer's instructions carrying out a regular cleaning and maintenance program.

WARNING!

The cleaning and ordinary maintenance operations, must be carried out by the user according to the following manufacturer's instructions.

Before carrying out any kind of cleaning operation, disconnect the appliance from the electric main source.

The cleaning and ordinary maintenance operations must be carried out when the machine is cold and using protective gloves to avoid excoriations

For the cleaning of the machine do not use water jets.

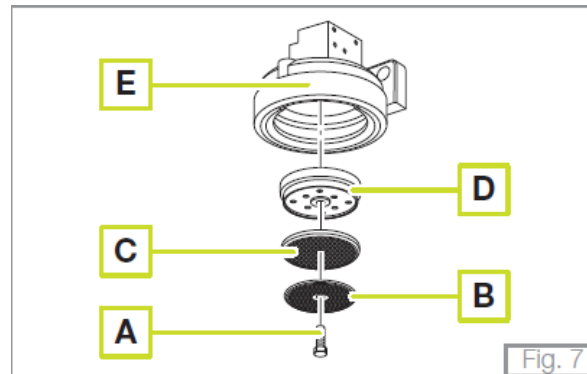
9.1 DAILY AT THE END OF THE JOB

- Disconnect the machine, let it cool down and then proceed with the cleaning of the filterholder (4) and of the filters, making sure not to leave any dirtiness inside the filterholder. As for the filters, check that all the holes are clean (for this operation use a rough sponge).
- Clean the shower-heads below the brewing group with the brush provided with the machine.
- Clean the drip tray (7) and the drip tray grid (6) using, if necessary, regular detergents.

9.2 EVERY 3 DAYS

After turning off the machine, remove the shower-heads with the provided tool, brush them carefully, making sure that all the holes are clean. Then reassemble everything following the sequence shown below.

- A. Fastening screw
- B. Small shower head
- C. Large shower head
- D. Diffuser
- E. Delivery group



TAKE NOTE!

Do not use water jets to clean the machine.

9.3 WATER SOFTENER

If the installation of a water softener has been recommended by the installation engineer because of hard water and problems of scale deposits, it is necessary to follow the instructions of the water softener's manufacturer (periodic regeneration).

9.4 BODYWORK

Clean the bodywork of the appliance using mild detergent to prevent any damage. We recommend not to use abrasive sponges that could damage the body panels.

 **WARNING!**

Everyday at the end of the work and after daily cleaning, turn off the machine by pressing the button ON/OFF, disconnect the plug of the machine from the socket of the electric system and close the water tap.

10. TECHNICAL DATA



DIMENSIONS AND WEIGHT

L	415 mm
H	385 mm
P	415 mm
WEIGHT	35

POWER SUPPLY

VOLT	115
HZ	50/60
W	2000



espresso coffee machines

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