



*espresso coffee machines*



## MANUAL FOR USE AND MAINTENANCE

S25



## WEEE

**Disposal of equipment by the users in the territory of the European Union (WEEE), according to standards 2011/65 / EU, 2011/19 / EU and 2015/863 / EU, relating to the reduction of the use of dangerous substances in electrical and electronic equipment, as well as waste disposal.**



The symbol of the crossed waste bin indicated on the equipment or on the packaging means that the product at the end of its lifetime must be disposed of separately from all the other waste. The separate collection of this equipment coming at the end of its lifetime is organized and run by the importer/distributor. The user who should have to dispose of such equipment should get in touch with the importer/ distributor and follow the procedure they have adopted for the separate disposal of the equipment coming at the end of its lifetime. The proper separate disposal of disused equipment so that it can be recycled and treated according what is environmentally compatible contributes to avoid possible negative the Environment and on Health and allows the reutilization and/or the recycling of the materials the equipment is composed of.

The improper disposal by the user causes the enforcement of the administrative sanctions according to current regulations.



## GENERAL WARNINGS

Read carefully the instructions and warnings contained in this manual and in the `INSTALLATION INSTRUCTION MANUAL`, 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 "INSTALLATION REQUIREMENTS FOR THE USER".

### **Attention!**

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

## SAFETY NORMS

### **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.

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 people to use the appliance.
- Access to the appliance's service area must be restricted to those people with the relevant practical experience and familiarity with the appliance itself, especially in terms of safety and hygiene.
- This appliance can be used by children aged from 8 years and above, and person with reduced physical sensory or mental capabilities or lack of experience and knowledge, if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Before carrying out any routine maintenance or cleaning operation, disconnect the appliance from the mains power and close 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 not IPX protection against water and therefore, it cannot be installed in areas where it may be subject to jets of water.



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- The appliance has class I protection against electric shocks.
  - The noise emitted by the appliance during normal operation is less than 70 dB.
  - The maximum altitude at which the machine may be installed is 8000 meters.
  - Children shall not play with the appliance.
  - Cleaning and use maintenance shall not be made by children without supervision.
  - These instructions are also available in an alternative format, e.g. on a website.

 **Attention!**

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

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## INSTALLATION REQUIREMENTS FOR THE USER

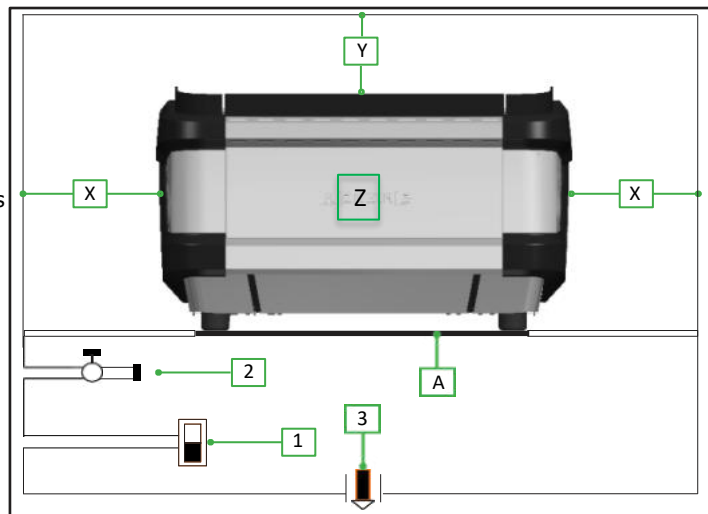
The appliance must be placed on a flat and stable surface and a surface height for the appliance of no less than 1.2 metres from the ground. Check this important requirement, since the manufacturer cannot be considered liable for any damage caused by the instability of the appliance.

While preparing the systems, take into account that a hole is needed on the bearing surface in order to carry out all electric and water connections through the opening below where a water softener will need to be placed, if recommended by the installation engineer.

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

The minimum size of the opening below is:

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



LEGEND	
RIF.	DESCRIPTION
1	Multi-pole power switch with a switch-contact gap of at least 3 mm
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)



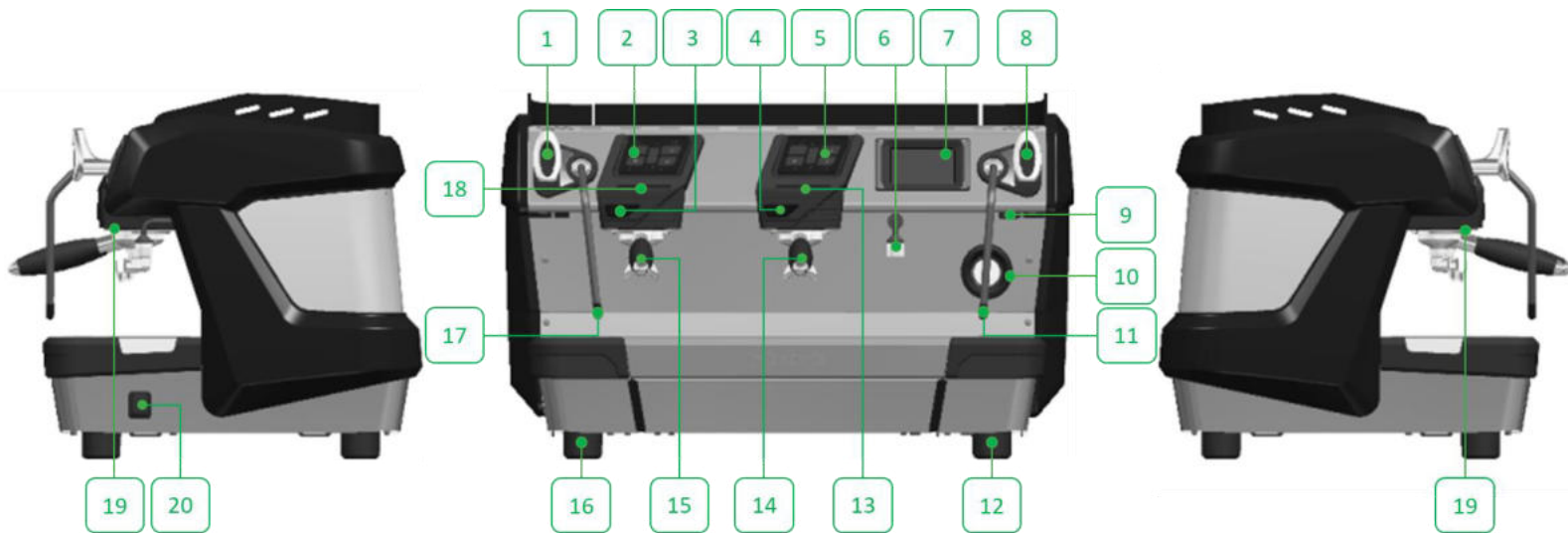
- Between the water mains and the water inlet pipe of the appliance, there must be a tap to stop the water flow if necessary (2 - Pict. 1).
- Water mains pressure must be within the range of 1 and 5 bar. If this requirement is not met, please consult the manufacturer.
- The appliance is supplied without a plug. It is supposed to be directly connected to the power supply and therefore, it is necessary to fit a multi-pole power switch with a switch-contact gap of at least 3 mm or more beforehand, according to the regulations in force (1 - Pict. 1).
- The drain pipe of the appliance must be directly connected to a suitable open drain siphon, previously installed by the customer (3 - Fig. 1). 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.



## GENERAL DESCRIPTION OF THE MACHINE



### LEGEND:

- |                            |                                     |                       |                     |
|----------------------------|-------------------------------------|-----------------------|---------------------|
| 1- Left steam lever        | 6- Water supply wand for infusions  | 11- Right steam lever | 16- Left front foot |
| 2- 2-group touchpad        | 7- Main display                     | 12- Right front foot  | 17- Left steam wand |
| 3- 2-group digital display | 8- Right steam lever                | 13- 1-group RGB Led   | 18- 1-group RGB Led |
| 4- 1-group digital display | 9- USB port                         | 14- 1-cup portafilter | 19- Drip Tray Led   |
| 5- 1-group touchpad        | 10- Water mains/pump pressure gauge | 15- 2-cup portafilter | 20- Main switch     |





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## PACKAGING REMOVAL

After removing the packaging, check the integrity of the appliance, in case of any doubt do not use it and contact the manufacturer. Packaging materials must not be left within the reach of children as they may represent a potential danger.

 **Attention!**

As the appliance has a weight higher than 30Kg, it cannot be lifted by one person alone.

 **Note!**

Proceed to dispose of the packaging materials as per norms in force in the destination country of the machine.

## STANDARD OUTFIT OF THE MACHINE

- A. One set of portafilters with respective spouts
- B. A complete set of flexible hoses for water connection
- C. One set of filters
- D. One set of showers for each delivery group
- E. One group head key to remove showers
- F. One brush
- G. A manual coffee tamper






**OPTIONAL ACCESSORIES (supplied only on request of the customer)**





**LEGEND:**

- A. Water softener
- B. Water mains impurity filter
- C. Pressure reducer
- D. Detergent
- E. Filter and portafilter extractor

**STARTING THE SYSTEM**

<p><b>1</b></p>  <p>Open water mains tap</p>	<p><b>2</b></p>  <p>Check any water leaks from pipes</p>	<p><b>3</b></p>  <p>Turn on the main switch</p>
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## ELECTRICAL SWITCHING ON OF THE APPLIANCE

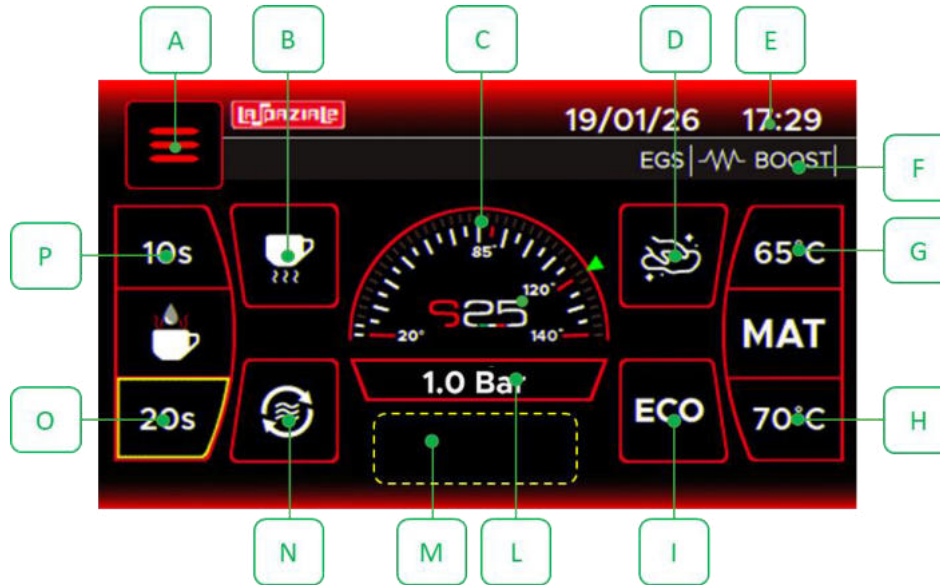
<p><b>1</b></p>  <p>Press the main switch (20 pag. 8).</p>	<p><b>2</b></p>  <p>Attach the portafilters to the groups</p>
<p><b>3</b></p>  <p>Open the taps by pulling the handles toward you while holding the wands over the drip tray. Wait for steam to come out of the wands (~15-20 min.), then close the steam taps by returning the knob to its initial position.</p>	<p><b>4</b></p>  <p>Wait for the machine to reach the operating pressure, indicated by the triangle</p>

### Note!

During the heating phase, the RGB LEDs of the groups follow the following machine status based on the boiler temperature: <math><50^\circ</math> Blue LED, <math>50^\circ\text{--}80^\circ</math> Yellow LED, <math>80^\circ\text{--}110^\circ</math> Orange LED, <math>>110^\circ</math> LED in the colour set by the user.



## GENERAL DESCRIPTION OF THE MAIN DISPLAY



- A- Programming touch button
- B- Cupwarmer button (optional)
- C- Boiler digital pressure gauge
- D- CLEAN button

- E- Date and Time
- F- Status bar
- G- M.A.T. 4.0 1° sel. button (optional)
- H- M.A.T.4.0 2° sel. button (optional)

- I- ECO button
- L- Boiler pressure value
- M- Alarm section
- N- Boiler wash button








- O- Hot water 1° sel. button
- P- Hot water 2° sel. button

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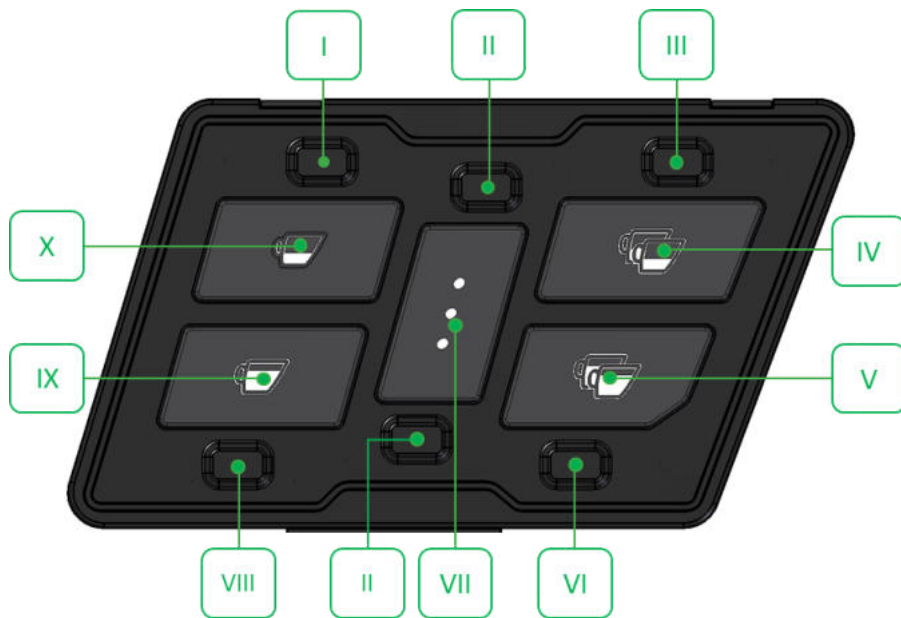


## GENERAL DESCRIPTION ON THE STATUS BAR

### LEGEND OF SYMBOLS IN THE STATUS BAR:

	E.G.S. Electronic Ground System: by enabling this function, if the brewing groups are not used for 30 minutes, a minimal amount of hot water is delivered to keep the coffee pad in the filter moist and easy to remove. The start of the cycle is highlighted 30 seconds beforehand by a countdown on the individual group.
	Boiler temperature indication: a temperature probe monitors the boiler temperature.
	Appliance heating symbol: fixed: heating mode reached, flashing: heating in progress.
	Boiler heating element management indicator: after 20 minutes of machine inactivity (i.e., no coffee, tea, or steam delivering - M.A.T.), the total power of the appliance is reduced by 2/3 to maintain the operating temperature. When a new delivering request is made, the "ECO" function deactivates.
	Indication of the management of the boiler electric heater control: the power of the machine is managed in a standard way.
	Indication of boiler electrical heater control: in the event of a significant deliver of hot water/steam, when the boiler pressure drops by 0.3 bar compared to the set point, the machine power automatically increases to restore the set point.
	Indication of the active Timer function and of next day/time switching off.

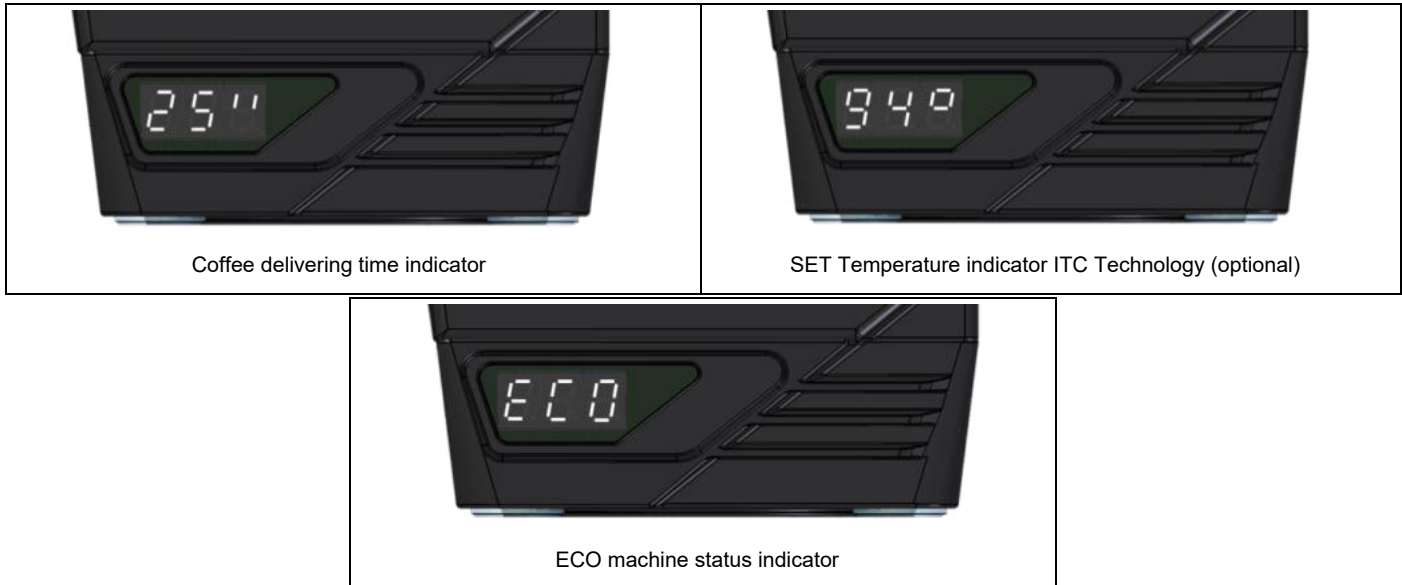
## GENERAL DESCRIPTION OF THE DELIVERY GROUP PUSHBUTTON PANEL



- |                            |                          |                          |
|----------------------------|--------------------------|--------------------------|
| I- 1 short coffee led      | V- 2 long coffees button | IX- 1 long coffee button |
| II- Free Flow led          | VI- 2 long coffees led   | X- 1 short coffee button |
| III- 2 short coffees led   | VII- Free Flow button    |                          |
| IV- 2 short coffees button | VIII- 1 long coffee led  |                          |



## GENERAL DESCRIPTION DISPLAY OF THE DELIVERY GROUP



**Note!**

In the ITC Technology version, once the delivering is finished, the seconds taken for delivering will be displayed for 5 seconds.



## COFFEE PREPARATION

# 1



Unhook the portafilter from the delivery group

# 2



Fill the portafilter with ground coffee and press it.

# 3



Securely reattach the portafilter to the group and place one or two cups under the delivery group.

# 4



Press one of the programmed dose buttons or the free flow button.

# 5



During delivering, the display shows the delivering time.

# 6



In the case of the ITC Technology version of the machine, the water extraction temperature is shown on the display (optional).

### Attention!

If you want to end a delivering process early, simply press the button again. If the machine has been inactive for more than an hour, before delivering coffee, dispense about 100cc of water only. For cleaning methods and instructions, see the specific section

## HOT WATER DELIVERY FOR INFUSIONS

# 1



Place the jug below the hot water spout.

# 2



Press one of the two buttons to eliver hot water. The dispensing stops at the end of the time programmed during installation or earlier by pressing the same button again. The temperature of the delivered water is determined by the Service Department during machine installation.

### ! Attention!

Do not press the push-button to dispense water before placing the jug below the hot water spout, to avoid possible burns.

If the machine has been idle for more than an hour, draw off approx. 200 cc empty before delivering



## STEAM DELIVERY FOR HOT BEVERAGES

# 1



Push the steam valve lever to purge.

# 2



Insert the steam wand into the jug containing the beverage to be heated.

# 3



Pull the steam wand lever towards you to start heating the beverage. Once finished, return the lever to its initial position.

### ! Note!

At the end of the heating, remove the jug from the steam wand and immediately clean the wand with a damp sponge.

### ! Attention

Do not deliver the steam before inserting the wand into the jug to avoid possible burns.

Before heating up the beverage (water, milk, etc.) let steam escape from the wand for at least 3 seconds to ensure condensate drainage.



## STEAM DELIVERY SYSTEM M.A.T. 4.0 (MILK ADJUSTABLE TEMPERATURE) FOR CAPPUCCINO – OPTIONAL

# 1



Place a jug of cold milk ( $\leq 4^\circ$ ) under the steam wand of the M.A.T. 4.0 system

# 2



Press one of the two M.A.T. buttons to start the delivery of air/steam, which will stop once the set temperature is reached or by pressing the same button again.

### **Note!**

At the end of the heating, remove the milk jug from the steam wand and immediately clean the wand with a damp sponge.

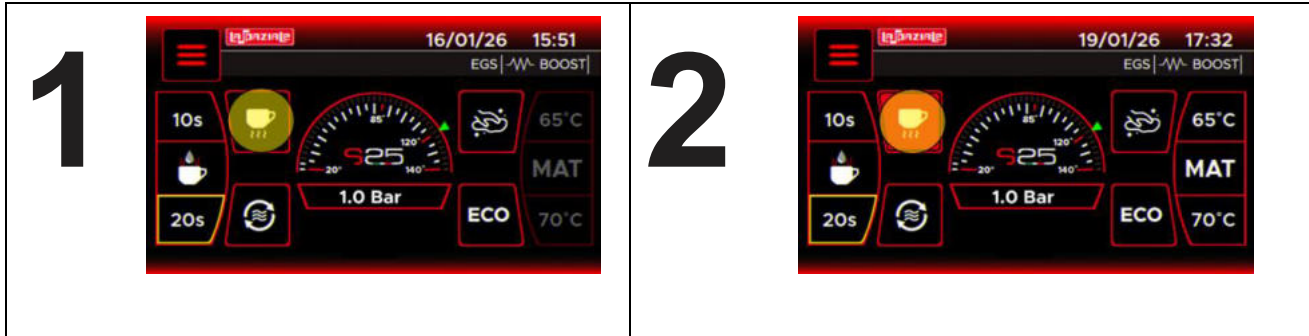
### **Attention**

Do not deliver the steam before inserting the wand into the jug to avoid possible burns.

Before heating up the beverage (water, milk, etc.) let steam escape from the wand for at least 3 seconds to ensure condensate drainage.



## ELECTRIC CUP WARMER – OPTIONAL



## ECO FUNCTION

# 1



Push the ECO button.

# 2



With the ECO function active, all delivery functions of coffee, tea and steam (M.A.T. 4.0) are disabled.

# 3



The RGB LEDs of the groups will light up in green and the ECO machine status will be indicated on the group display.

# 4



The boiler temperature rises to 85°C. Press the ECO button again to deactivate the ECO function. The machine will be ready to use in about 15 minutes.



## WASHING THE GROUPS

The GROUP CLEANING function allows you to clean the shower heads without increasing the coffee counter.

# 1



Press and hold the free flow button of the first right group for 5 seconds. The function will be active when only the LEDs of the free flow buttons of all groups are lit.

# 2



Press the free flow button to activate the cycle of the group on which you wish to start the cleaning cycle.

# 3



The GROUP CLEANING cycle consists of 5 seconds of water delivery from the selected group, followed by 5 seconds of STOP, allowing the use of the brush to clean the shower heads.

# 4



To stop the cycle on a single group, press the free flow button. To exit the GROUP CLEANING mode, press the free flow button of the first right group for 5 seconds to exit the GROUP CLEANING function.

## BOILER WASHING FUNCTION

1



Press the BOILER WASHING button.

2



The machine delivers hot water for 2 minutes from the spout and then automatically refills the water into the boiler.

3



Press the BOILER WASHING button again to interrupt the washing cycle early.

### Note!

Place a container under the hot water spout to empty it from time to time. It is recommended to carry out the boiler washing cycle every day at the end of work.

### ! Attention!

Use protective gloves to avoid possible burns.



## CLEANING FUNCTION

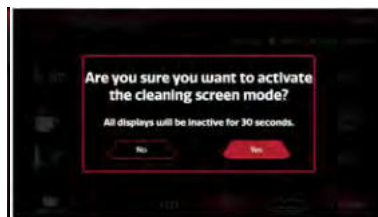
The CLEANING function temporarily disables the capacitive display, allowing you to clean the glass.

1



Push the CLEAN button.

2



Press "YES".

3



For 20 seconds the displays are disabled. After this, the display returns to the Work screen.

### Note!

Clean the body of the appliance using neutral detergents so as not to damage it. Remember not to use abrasive sponges as they could damage the body panels.



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## ORDINARY MAINTENANCE BY THE USER

### **Nota!**

To ensure the efficiency of the appliance and its correct functioning, it is essential to follow the manufacturer's instructions by carrying out cleaning and ordinary maintenance.

### **Attenzione!**

Cleaning and routine maintenance operations must be carried out by the user in accordance with the manufacturer's instructions given below. Before carrying out any cleaning operation, disconnect the appliance from the electrical power supply. Cleaning and routine maintenance operations must be carried out when the appliance is cold, wearing protective gloves to avoid abrasions.

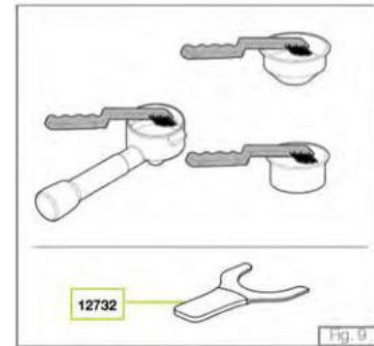


## EVERY DAY AT THE END OF WORK

- Replace the water in the boiler using the BOILER WASHING function (see chapter 5.8, page 21).
- Then clean the portafilters and filters\* with the appropriate brush, making sure that no deposits remain inside the portafilters. For the filters, check that all the holes are clean.
- Clean the delivery groups.

\*) To easily remove the filters, you can use the COMPLETE FILTER EXTRACTOR code 12732 (accessory available on request).

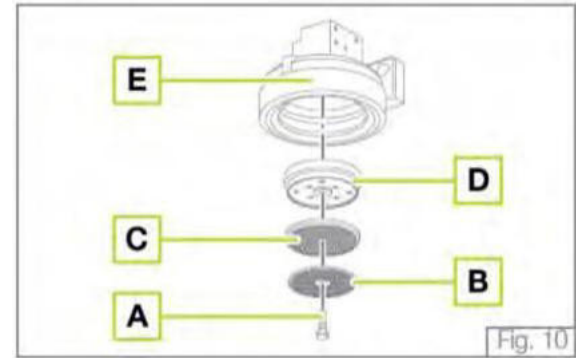
- Also clean the shower heads under the groups with a brush between one dispensing and the next.
- Clean the drip tray and the cup grid, using commercially available detergents if necessary.



## EVERY 3 DAYS

After turning off the appliance, remove the shower heads with the wrench, brush them thoroughly, making sure all the holes are clean. Then reassemble everything following the sequence shown in the figure.

- a. Fastening screw
- b. Small shower head
- c. Large shower head
- d. Diffuser
- e. Delivery group



### Attention!

Every day at the end of the work and after performing the daily cleaning, switch off the appliance by turning the system's electrical switch to the "0" position and closing the water mains tap.

### Attention!

Do not use jets of water to clean the appliance.



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## **WATER SOFTENER:**

If, due to a strong presence of scale in the water supply, the installer deems it appropriate to install a water softener, for maintenance (periodic regeneration), follow the instructions of the water softener manufacturer

## **MACHINE BODY:**

Clean the body of the machine using mild detergents to avoid damaging it. We recommend not using abrasive sponges as they may damage the body panels.



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