LA SPAZIALE

INSTRUCTIONS MANUAL FOR THE INSTALLER

S1 Vivaldi

LSI 005 -UK- REV. 05

CONFORMITY DECLARATION CE

MANUFACTURER: **La Spaziale SpA**

ADDRESS: **Via E. Duse, 8 - Casalecchio di Reno (BO) ITALIA**

HEREBY DECLARES THAT:

The espresso coffee machine **S3 Via Spresso** conforms to the directions in the following DIRECTIVES:

2004/108/CE (Electromagnetic Compatibility Directive) with application of the following (parts/ clauses) of harmonized standards:

- **EMISSION: EN 55014-1 + EN 61000-3-2 + EN 61000-3-3**
- **IMMUNITY: EN 55014-2**

2006/95/CE (Low Voltage Directive) with application of the following (parts/clauses) from harmonized standards:

- **EN 60335-1**
- **EN 60335-2-75**
- **IEC 60335-2-75**
- **IEC 60335-2-15**

EC Declaration of Conformity to the Directive 97/23/EC Pressurised Equipment Directive – PED

MANUFACTURER: **La Spaziale SpA**

ADDRESS: **Via E. Duse, 8 - Casalecchio di Reno (BO) ITALIA**

HEREBY DECLARES THAT:

On the espresso coffee machine **S3 Via Spresso** the pressure assembly is composed of a boiler complete with safety and adjustment devices, used for rapid preparation of espresso coffee, steam and infusions. **This assembly conforms to the essential requirements of the Directive 97/23/EC and to national laws acknowledging it, following the conformity assessment procedure below:**

- **UNI 9887 Regulations, ISPESL collection rev. 95**

The assembly also satisfies the following EC Directives:

- **2006/42/CE - 2006/95/CE - 2004/108/CE**

Franca Cacciari (CEO)

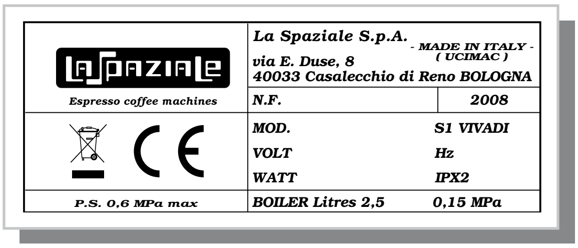
Cacciari Franca

INDEX

1 GENERAL NOTES

1.1 PLATES

The appliance rating plate is located in the inner right-hand section; to have access to it , remove the drip-tray (1).

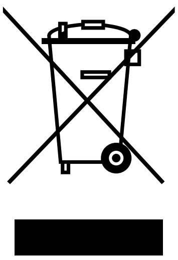


1.2 GENERAL WARNINGS

WARNING!
Electric and water systems must be already provided as needed by the customer in order to allow the proper installation of the machine. The installer is not allowed to modify the existing system prearranged by the customer (see chapter 1.5 “Installation” in the “Use and Maintenance” manual provided with every machine).

WARNING!
The appliance must be installed where use and maintenance are restricted to qualified staff.

Disposal of the equipment by the users within the European Community (WEEE) in compliance with the article 13 of the legislative decree issued on 25 July 2005, nr151 ”Implementation of the directives 2002/95/CE, 2002/96/CE and 2003/108/CE, concerning the decrease in the usage of dangerous substances in the electrical and electronic equipment and the disposal of waste”



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 to what is environmentally compatible contributes to avoid possible negative effects on 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.

1.3 THE MACHINE OUTFIT

- A 1 set of filterholders with spouts
- B 1 set of filters
- C 1 set of shower heads
- D 1 tool to remove shower heads
- E 1 brush
- F 1 coffee doser
- G 1 manual coffee tamper

WARNING!
This equipment is to be used only for the purpose it was intended for. Any other use is therefore to be considered as improper and irrational. The manufacturer is not liable for any damage caused by improper, wrongful or unreasonable use.

1.4 WARNING FOR THE INSTALLER

Read carefully the instructions and warnings included in this manual and in the manual "USE AND MAINTENANCE" since they provide important indications concerning the installation of the equipment.

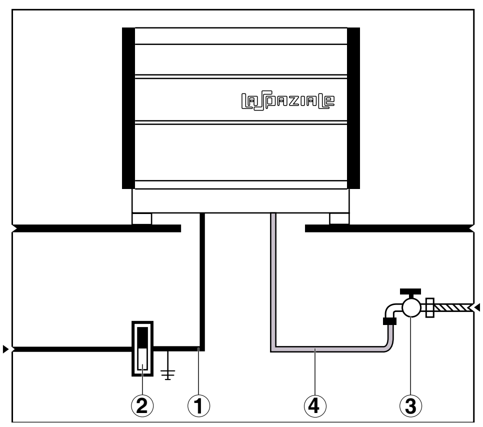
- Make sure that the customer has prearranged the system following the instructions of the "Manual for Use and Maintenance" enclosed with the machine. Moreover, verify the solidity of the bearing surface where the machine will be placed.
- Check that the power absorption of the electric system made by the customer corresponds to the maximum value stated on the machine plate.
- The electric safety of this appliance will be fully achieved only after its proper connection to ground carried out according to the regulations in force.
- The equipment must be supplied exclusively with cold drinkable water.
  The maximum mains pressure (static pressure) must be 0,6 Mpa.
- The machine should not be enclosed.
- The machine needs to be installed so that the disconnection plug from the electric main source remains accessible.
- If in doubt, regarding the above mentioned important requirements, (with reference to the system arranged by the customer) please consult qualified staff.
- The appliance is not supposed to operate in the external environment, that is to say directly subject to atmospherics.
- The machine has to be installed so that the upper grid for cups placement is at a height superior to 1,5 mt from the floor.

WARNING!
Installation must be carried out according to the regulations in force and to the manufacturer's instructions.
An improper or wrong installation may cause damage to animals, people or things.
The manufacturer is not liable for damage caused by a wrong installation.

1.5 INSTALLATION

After having unpacked the machine please check its integrity, in case of doubt do not use it and consult the manufacturer.
Packaging materials must be removed in order to prevent children from being hurt.
Place the machine on a stable bearing surface, by lifting it from its base.
Before connecting the plug into the socket of the electric system, please check that the data on the plate correspond to the ones of the installation place.

1



LEGEND

1	Power feeding cable
2	Main switch (prearranged by the user)
3	Water tap (prearranged by the user)
4	Flexible pipes at high pressure

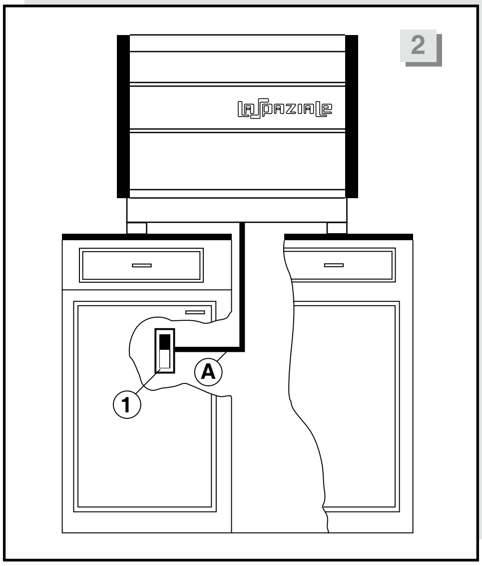
1.6 ELECTRIC INSTALLATION SCHEME

LEGEND

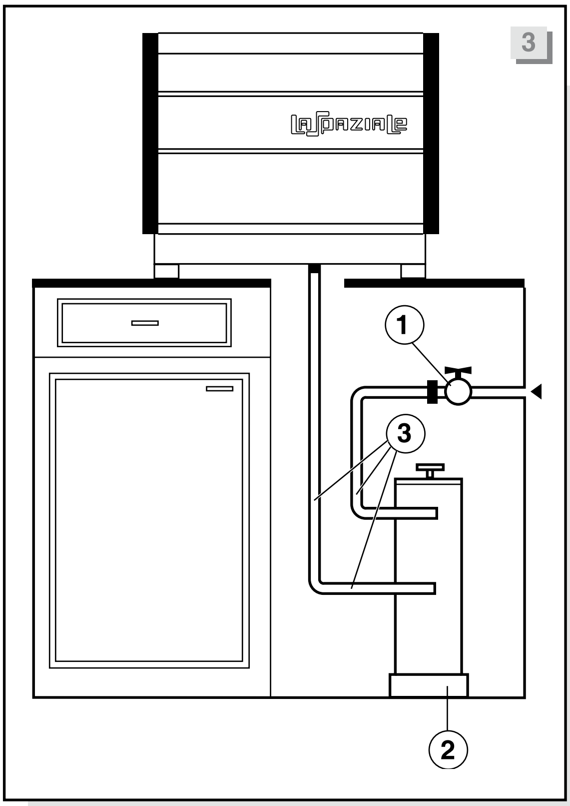
1	Main switch (prearranged by the customer)

When carrying out the electric connections, please take into consideration all warnings and indications provided so far in this manual. Furthermore, in order to avoid dangerous overheating, unwind completely the feeding cable.

a) Connect the cable (A - pict 2) directly to the socket (1 - pict 2).



1.7 WATER MAINS INSTALLATION SCHEME



LEGEND

1	Water tap (prearranged by the customer)
2	Water softener (optional)
3	Flexible pipes resisting high pressure (provided with the machine)

The equipment is supplied without water in the boiler so as to prevent the boiler from being badly damaged, should the equipment be exposed to temperatures lower than 0°.

Carry out connections according to picture 3 and take into account what follows:
- **hoses must not be kicked, squashed nor twisted;**
- **fasten firmly, but without exerting too much pressure, the threaded ring units of the hose connectors (3 - pict 3).**

THE INSTALLATION OF THE WATER SOFTENER IS RECOMMENDED IN ORDER FOR THE MACHINE TO LAST LONGER.
Install the water softener according to the instructions and regulations provided by its manufacturer. The water softener needs to be placed in an easily accessible place in order to allow the performance of the regeneration when due and generally close to the water siphon.

<u>If the water softener is not used, it is recommended to apply a filter on the water inlet pipe, in order to prevent impurities from damaging the motor pump or the machine.</u>

2 STARTING AND SETTING THE MACHINE

To start and use the machine, see the "Use and Maintenance" manual provided with the machine.

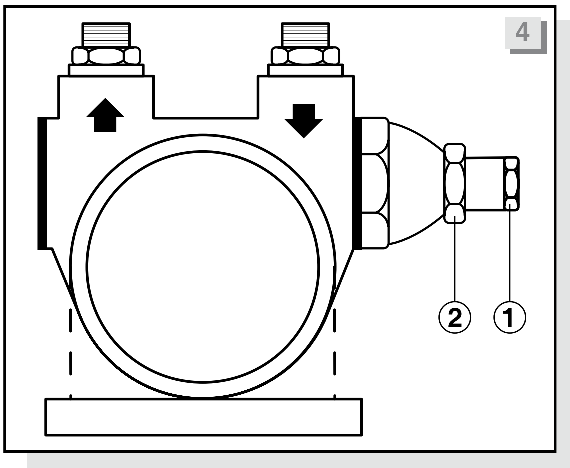
After switching on the machine, proceed with the its setting.

2.1 SETTING OF THE MOTORPUMP PRESSURE

The ideal operating pressure is supposed to be between 8 and 10 BAR.

In order to regulate the pressure turn the adjusting screw (1 - pict 4) of the motorpump after loosening the counternut (2 - pict 4).
To increase the pressure turn the screw (1 - pict 4) clockwise, to decrease the pressure turn it anticlockwise and then fasten the counternut (2 - pict 4).

N.B. In the machine the motorpump is already set at a pressure of 9 Bar.



2.2 HOW TO ADJUST THE OPERATING TEMPERATURE OF S1 VIVALDI

1. While the appliance is operating, press and hold down the ON//OFF button (27) for about 3 seconds; the line control-light (22) and the set temperature led will flash. For example, if the set temperature is 105° C, the led (18) will flash.

LIGHT No.	13	14	15	16	17	18	19	20	21	22
	●	●	●	●	●	☀	●	●	●	☀
TEMP.		85	90	95	100	105	110	120	130	°C

2. To change the operating temperature, press and hold down the hot water delivery button (23); the temperature will increase by 5°C each time the button is pressed (and the relevant indicator light will switch on and flash). At the maximum temperature of 130°C (led 21), the selection will start again from the minimum temperature of 85°C (LED 14) (cyclical function).
3. Once the required temperature has been selected, press the ON/OFF button (27) to confirm the setting; the appliance will return to normal operation.

To calibrate the delivery group temperature to a one degree (centigrade) step adjustment:

- Switch off the appliance by pressing the ON / OFF button, the green led (22) will go from fixed to flashing (machine on standby mode).
- Press and hold down the two coffees button (25) for about 3 seconds; the leds 17 and 18 will switch on to show that the calibration phase with 1°C step adjustment has been entered.
- Every time that the boiler button (26) is pressed, the leds 19, 20, 21 will switch on in sequence to show a one degree centigrade increase from the set temperature, while each time that the one coffee button (24) is pressed, the leds 16,15,14 will switch on in sequence, with each led showing a decrease of one degree centigrade compared to the set temperature.
  For example, if the set temperature is 105°C and the leds 19 and 20 switch on, the new temperature will be 105+2 = 107°C.

The operating temperature of the machine is changed exclusively for the purpose of improving the result in the cup, according to the coffee blend used.

2.3 HOW TO ADJUST THE OPERATING TEMPERATURE OF S1 VIVALDI II

1. While the appliance is operating, press and hold down the ON//OFF button (27) for about 3 seconds; the line control light (22) and the set temperature led will flash. For example, if the set temperature is 95 °C, the led (18) will flash.

LIGHT No.	13	14	15	16	17	18	19	20	21	22
	●	●	●	●	●	●	●	●	●	☀
TEMP.		91	92	93	94	95	96	97		°C

2. To change the operating temperature, press and hold down the hot water delivery button (23); the temperature will increase by 1°C each time the button is pressed (and the relevant led will switch on and flash). At the maximum temperature of 97°C (led 20) the selection will start again from the minimum temperature of 91°C (led 14) -cyclical function- .
3. Once the required temperature has been selected, press the ON/OFF (27) button to confirm the setting; the appliance will return to normal operation.

To set a delivery group temperature to less than 91°C or more than 97°C proceed as follows:

N. B.
Access to this programming function is enabled only when the set temperature for the delivery group is set to the minimum (91°C) or more than 97°C.

- Switch off the appliance by pressing the ON/OFF button (27); the green led (22) will go from fixed to flashing (machine on standby).
- Press and hold down the two coffees button (25) for about 3 seconds; the leds 17 and 18 will switch on to indicate that you have entered into the programming phase for decrease of the minimum temperature and increase of the maximum temperature.
- Every time the steam delivery button (26) is pressed, the leds 19, 20 and 21 will switch on in sequence to show a one degree centigrade increase compared to the set temperature, if starting from a temperature setting of 97°; while each time that the one coffee button (24) is pressed, the leds 16, 15 and 14 will switch on in sequence with each led showing the decrease of one degree centigrade compared to the set temperature, if starting from a temperature setting of 91°C. For example, if the set temperature is 97°C and the leds 19 and 20 switch on, the new set temperature will be 97 + 2 = 99°C.

The operating temperature of the machine is changed exclusively for the purpose of improving the result in the cup, according to the coffee blend used.

2.4 DOSE PROGRAMMING

1. When the machine is on (control light 22 on and fixed), press the ON//OFF (27) button and keep it pressed for about 3 seconds; the control light (22) and the one concerning the set temperature start flashing.
2. Fill with ground coffee the filterholder (11) with the one cup filter (by using the provided coffeedoser), making sure not to leave coffee powder on the upper edge of the filterholder, and press it with the suitable coffee tamper provided.
3. Fasten the filterholder (11) to the brewing group (10), placing a cup below the filterholder.
4. By pressing the one cup button (24) the delivery starts and the lights 14-15-16 turn on to show that the one coffee dose is being programmed.
5. When the coffee inside the cup has reached the desired quantity, press again the button (24) to stop the delivery.
6. You automatically return to the initial visualization.
7. Fill with ground coffee the filterholder (11) with the two cup filter (by using the provided coffee doser), making sure not to leave coffee powder on the upper edge of the filterholder, and press it with the suitable coffee tamper provided.
8. Fasten the filterholder (11) to the brewing group (10), placing two cups below the filterholder.
9. Press the two coffees button (25) to start delivery and the lights 17-18-19 will switch on to show that the two-coffee dose is being programmed.
10. When the coffee inside the cup has reached the desired quantity, press again the button (25) to stop the delivery.
11. You automatically return to the initial visualization.

☞ **N.B. Once you have entered the programming phase, to quit it you need to press the ON/OFF (27) button.**

⚠ **WARNING**
The boiler pressure is pre-set by the manufacturer and it is not possible to change it.

2.5 ECONOMY MODE FUNCTION

This mode of the machine is meant for a not so frequent use of steam or water for infusions, in fact priority is always given to the heating-phase of the group for coffee delivery. In this way, the two heating-elements are never fed at the same time, thus considerably reducing power absorption.
In order to activate this mode press the button boiler (26) and keep it pressed for about 10 seconds, the red light 21 turns on. To deactivate it repeat the above mentioned operation until the light (21) turns off.

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

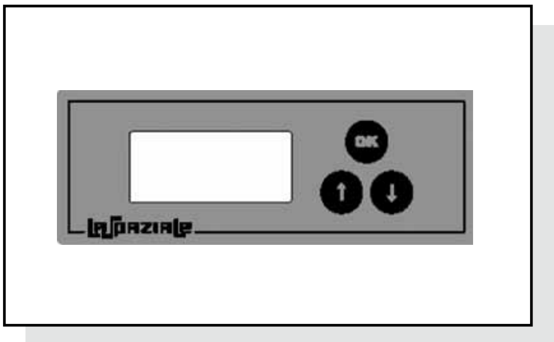
It is not possible to deactivate the ECONOMY mode on appliances with the following voltages
115 V with 15 A plug

It is not possible to deactivate the ECONOMY mode on appliances meant for the North American market.

3 DOSE COUNTER (optional)

N. B.
All appliances are equipped to operate with an additional module. To enable this function, proceed as follows:
- **Disconnect the appliance from the electric mains**
- **Move the selector on the control unit box to the ON position**
- **Reconnect the appliance to the electric mains.**

This additional module allows to manage the appliance according to a pre-loaded amount of coffee doses with the corresponding visualization of the partial and total counters for the cups of coffee delivered and with possible consequent block of the machine.



When the appliance is plugged in and therefore, even with the appliance in standby, the dose counter is powered and the display shows the main screen as illustrated here below:

Dis01927
Mem02000

01927 Number of cups of coffee that can still be delivered.
02000 Number of pre-set deliveries.

3.1 VIEW OF PARTIAL AND TOTAL COFFEE COUNTERS

Pressing the ↓ key during normal operation, the display will show:

.P.00286
.T.05963

P.00286 shows the partial number of coffee deliveries made since the last reset (the partial is the sum of 1-cup and 2-cup coffee doses delivered).

T.05963 shows the total number of coffee deliveries made since the first installation (the total is the sum of 1-cup and 2-cup coffee doses delivered).

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

3.2 PARTIAL COFFEE COUNTER RESET

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

RESET
N Y

The letter **N** will flash; if the OK key is pressed to confirm the setting, the display will return to the previous visualization; moving the ↑ ↓ keys, will cause the letter **Y** to start flashing; pressing the OK key will reset the partial count of coffee deliveries made to go back to the previous screen and the display will then show:

.P.00000
.T.05963

N. B.
Totals cannot be reset.

3.3 PROGRAMMING

N. B.
During programming, if no key is pressed for 30 seconds, the machine will automatically quite the function without storing any data.

From the main screen, pressing and holding down the OK key for 3 seconds will cause the display to show:

PIN
0###

with the zero on the left flashing.

Pressing the ↑ ↓ keys will select the first digit (values 0-9) and pressing the OK key confirms the setting, passing to the next digit, the one to the right of the previously set digit, which will start to flash. To set the next digits, proceed in the same way and after confirming the last digit of the PIN (if correct), the programming mode will open. If the PIN is not correct, it will return to the first zero on the left, flashing. To quit without setting the PIN, wait 10 seconds to return to the main screen.

N. B.
The default PIN is 1234.

When the correct PIN is entered, the display will show:

SERVICE
N Y

The letter **N** will flash; when the OK key is pressed to confirm the setting, one moves directly to the screen for setting the doses to be loaded into the machine: moving with the ↑ ↓ keys, the letter **Y** will start to flash and when the OK key is pressed, the display will show the following, flashing message:

SERVICE
ON

WARNING

It is now possible to make deliveries without remaining credit and the counters are updated.
To quit this menu, either wait for it to close automatically after 10 minutes or alternatively, enter the programming mode again, using the PIN.

Confirm the letter **N** from the **SERVICE** menu and the display will read:

```
COFFEE No.
  00000
```

with the first zero on the left flashing.
The number that will be set refers to the number of coffee deliveries to be loaded into the machine, which will be added to those remaining from the previous setting (remaining credit).
Pressing the ↑ key sets the first digit (values 0-9), pressing the ↓ key moves the cursor to the right of the digit just set, which will begin to flash. To select and set the following digits, proceed in the same way; confirm the final digit on the right with the OK key, you move to the following screen. The display will show:

```
   RESET
N         Y
```

The letter **N** will flash. When the OK key is pressed to confirm the setting, the screen for changing the PIN code to enter the programming mode will open; moving with the ↑ ↓ keys, the letter **Y** will start to flash and when the OK key is pressed to confirm, the available doses and those stored to memory will be deleted before returning to the main screen.

If the letter **N** is confirmed from the screen for setting the **COFFEE No.**, the display will read:

```
 NEW PIN
N       Y
```

with the letter **N** flashing; press the OK key to confirm this setting to quit the programming mode and return to the main screen or use the ↑ ↓ keys, which will cause the letter **Y** to start flashing, then press the OK key to confirm and the display will read:

```
NEW PIN
 0###
```

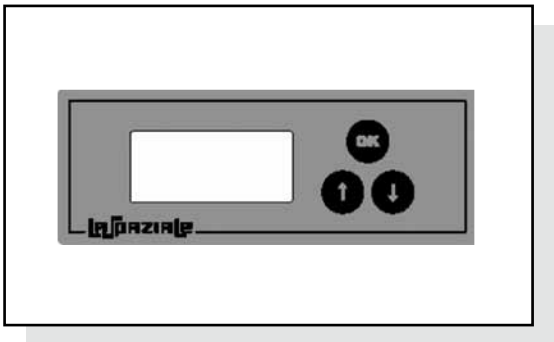
with the zero on the left flashing.

Pressing the keys ↑ ↓ will select the first digit (0-9) and pressing the OK key confirms the setting, passing to the next digit, the one to the right of the set digit, which will start to flash. To set the next digits, follow the same procedure and once the last number of the PIN has been confirmed, this will quit the programming mode to return to the main screen.

4 CLOCK / TIMER MODULE (Optional)

N. B.
All appliances are equipped to operate with an additional module. To enable this function, proceed as follows:
- **Disconnect the appliance from the electric mains**
- **Move the selector on the control unit box to the ON position**
- **Reconnect the appliance to the electric mains.**

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 electric mains; even if 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.

14 : 20
27-10-06

If the timer is set, alternatively to 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).

N. B.
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 visualization.

4.1 PROGRAMMING

When the OK 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 OK button.

4.2 LANGUAGE SETTING

Confirming the “**Select Language**” function with the OK will open the choice of language from those available: Italiano – English – Français – Deutsch – Español. Pressing the buttons ↑ ↓ will scroll through the various languages; stop at the required one, which will start to flash and select it by pressing the OK button.

4.3 CLOCK SETTING

Confirming the “**Select Clock**” function with the OK 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 OK button will confirm the selection; at this point the display will read:

Month
January

The month (January) will flash.
Pressing the ↑ ↓ buttons will select the current month and the OK button will confirm the selection; at this point the display will read:

Day
30

The date (30) will flash.
Pressing the ↑ ↓ buttons will select the current day of the month and the OK button will confirm the selection; at this point the display will read:

Year
2007

The year (2007) will flash.
Pressing the ↑ ↓ buttons will select the current year and the OK button will confirm the selection; at this point the display will read:

Time
09:18

The hour (09) will flash.

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

Daylight saving
NO / YES

The word **YES** will flash;
pressing the OK button and confirming the setting will make the daylight saving/winter time change. Pressing the ↑ ↓ buttons to select **NO** (flashing) and confirming with the OK button will mean no daylight saving/ winter time change will be made.

4.4 ON/OFF TIMER SETTING

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

Timer
OFF / ON

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

Monday

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 OK button and the display will show the switch on time for that day:

Lun 1ON
07 : 35

The two digits for the time (07) will flash; pressing the ↑ ↓ buttons selects the time and to confirm, press the OK button. The minutes (35) will automatically start to flash; press the ↑ ↓ buttons to select the minutes and then press the OK 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.

N. B.
The timer can control three different time periods. After confirming the minutes for the switch off time, pressing the OK 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 OK button, the display will read:

Tuesday
Copy

The day (Tuesday) will flash.
For the same time settings as the previous day, hold down the OK 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 OK button to set the times as described here above for Monday.

N. B.
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).

5 ALARMS DESCRIPTION

5.1 DAMAGED FLOWMETER

This alarm indicates the malfunction of the flowmeter or a too fine coffee grinding. This is shown by the turning on of the lights 14-15-16 if you are making one coffee dose and of the lights 17-18-19 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 (24) or two coffee (25) button.
If this alarms is visualized, check the gringing and then check and replace, if necessary, the flow-meter.

5.2 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 20-21 turn on.
If this alarm is visualized, check the connections of the temperature probe to the control board or replace the probe.

5.3 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 19-20-21 turn on. To eliminate the visualization deacivate the boiler pressing the button 26 and the machine can keep working even without the boiler being on.
If this alarm is visualized, check the connections of the temperature probe to the control board or replace the probe.

5.4 DAMAGED HEATING ELEMENT TRIAK 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 20-21 are flashing.
If this alarm is visualized, replace the triak.

5.5 DAMAGED HEATING ELEMENT TRIAK OF THE BOILER (only with the boiler turned on)

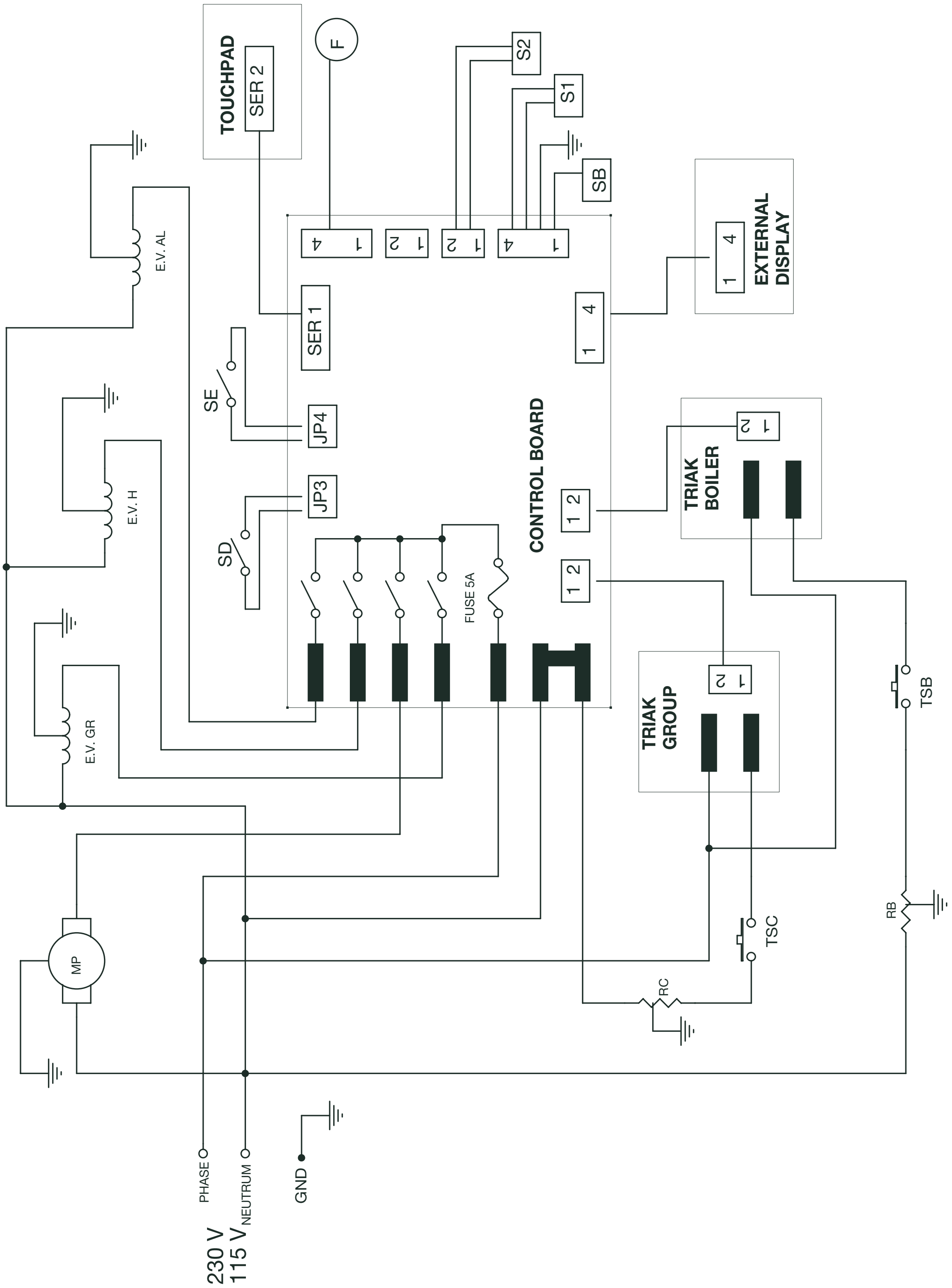
This alarm is a blocking one, and is visualized when the triak always remains in conduction (temperature above 140°C). The lights 19-20-21 are flashing.
If this alarm is visualized, replace the triak.

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

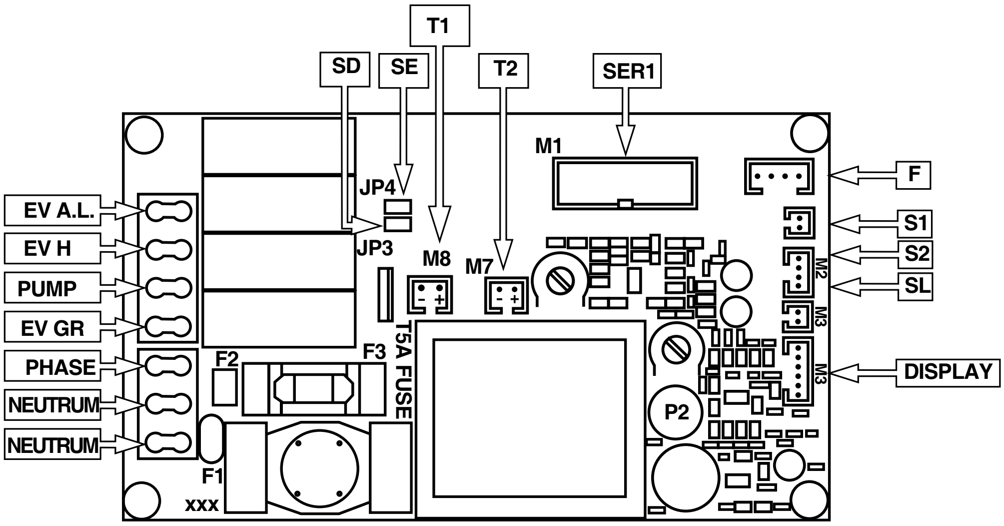
This is a blocking alarm that is visualized when the water filling of the boiler has remained on for more than 3 minutes.
The control light nr 13 starts flashing. In order to delete this alarm, deactivate the boiler by pressing the button 26, the machine can keep working without the boiler being on.
If this alarm is visualized, check the automatic refill system for the boiler.

6 DIAGRAMS

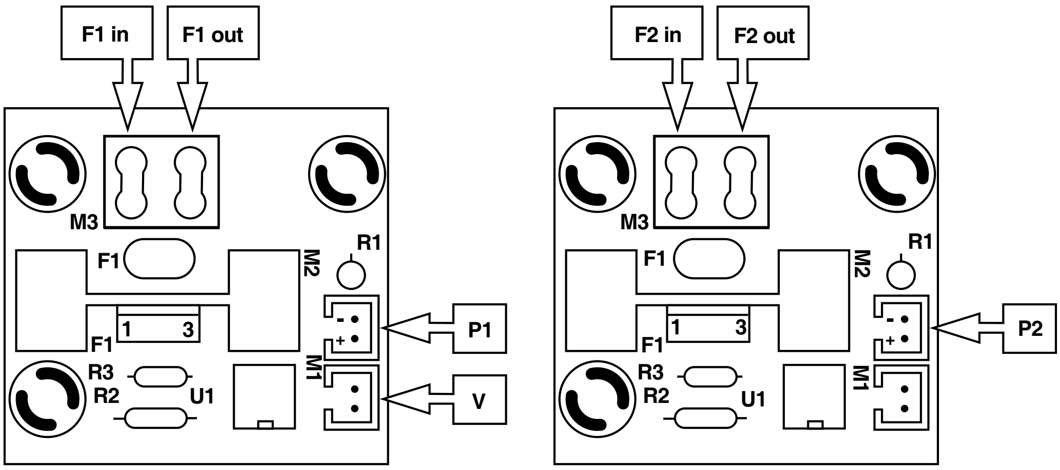
6.1 ELECTRIC DIAGRAM



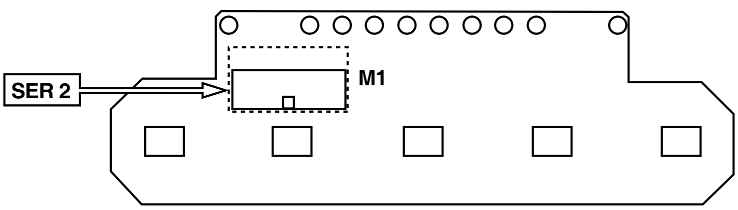
6.2 CONTROL BOARD DIAGRAM



6.3 TRIAK DIAGRAM



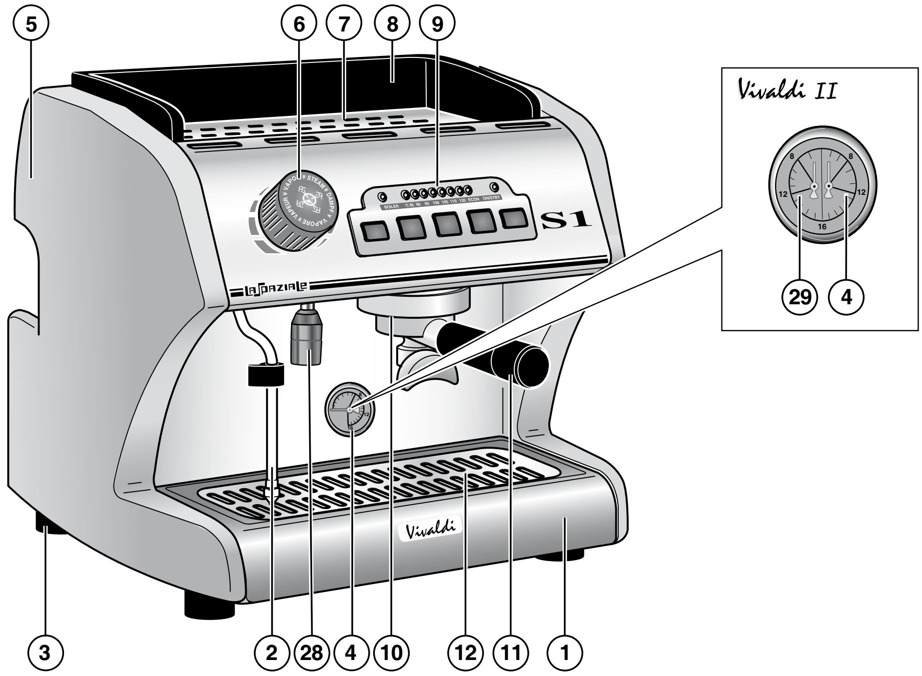
6.4 LED CIRCUIT DIAGRAM



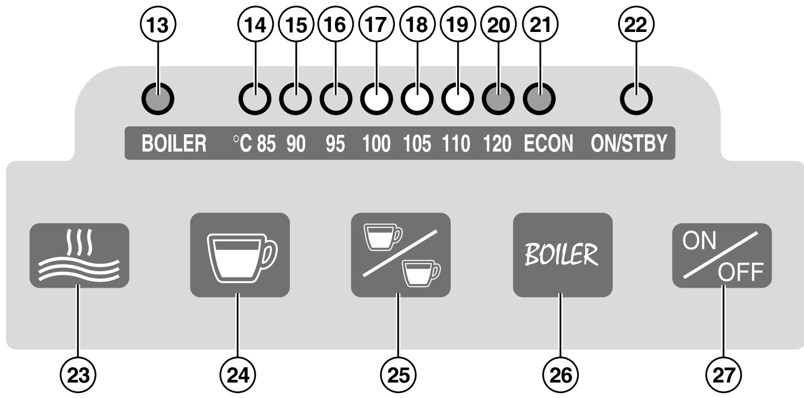
6.5 DIAGRAM LIST

EV GR	Coffee brewing group electrovalve
EV H	Hot water delivery electrovalve
EV AL	Automatic refill system electrovalve
T1	Connection on control board of the triak feeding the boiler heating element
T2	Connection on control board of the triak feeding the group heating element
P1	Connection of the control board on the triak feeding the boiler heating element
P2	Connection of the control board on the triak feeding the group heating element
SER1	Connection control panel on control board
SER2	Connection control board on control panel
F	Flowmeter
F1in	Phase inlet into the triak feeding the boiler heating element
F1out	Phase outlet from the triak feeding the boiler heating element
F2in	Phase inlet into the triak feeding the group heating element
F2out	Phase outlet from the triak feeding the group heating element
S1	Boiler temperature probe
S2	Brewing group temperature probe
SL	Boiler water level control
V	Ventilator connection
MP	Motorpump
RC	Brewing group heating element
TSC	Safety thermostat for brewing group heating element
RB	Boiler heating element
TSB	Safety thermostat for boiler heating element
SE	Economy lock selector
SD	External display selector

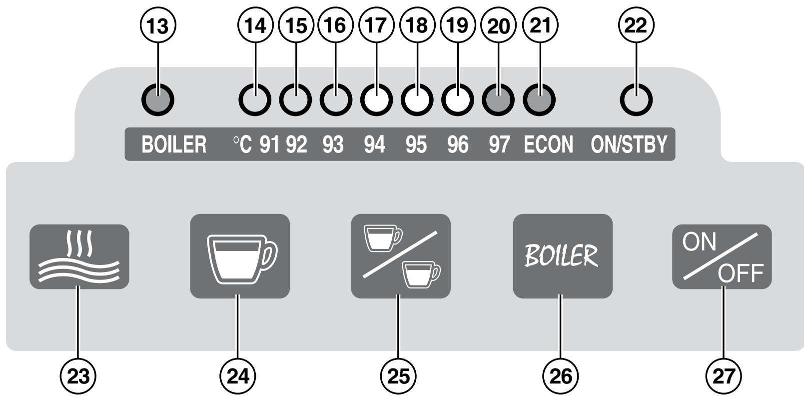
7 COMPONENTS



Vivaldi



Vivaldi II



7.1 LIST OF COMPONENTS

1	Drip Tray
2	Steam Wand
3	Foot
4	Boiler pressure manometer (steam and hot water delivery)
5	Side
6	Knob for steam delivery
7	Upper grid
8	Cup guard
9	Control panel
10	Brewing group
11	Filterholder
12	Drip Tray grid
13	Boiler state led
14	Water temperature led for coffee 85 °C (91°C on the VIVALDI II version)
15	Water temperature led for coffee 90 °C (92°C on the VIVALDI II version)
16	Water temperature led for coffee 95 °C (93°C on the VIVALDI II version)
17	Water temperature led for coffee 100 °C (94°C on the VIVALDI II version)
18	Water temperature led for coffee 105 °C (95°C on the VIVALDI II version)
19	Water temperature led for coffee 110 °C (96°C on the VIVALDI II version)
20	Water temperature led for coffee 120 °C (97°C on the VIVALDI II version)
21	Economy mode control light
22	Line control light
23	Hot water delivery button
24	1 coffee delivery button
25	2 coffees delivery button
26	Boiler on and off/Economy function on/off button
27	ON/OFF button (machine on/off)
28	Hot water output
29	Motor pump pressure gauge

06/2017

La Spaziale S.p.A.

Via E. Duse, 8
40033 Casalecchio di Reno
Bologna - (Italy)
Tel. +39 051 611.10.11
Fax +39 051 611.10.40

E-mail: info@laspaziale.com
Web Site: www.laspaziale.com

Caffè d'autore