
Victoria Arduino



USER HANDBOOK

Translation of the original instruction

Congratulations,

By purchasing the VA358 WHITE EAGLE   you have made an excellent choice.

The purchase of a professional espresso coffee-maker involves various elements of selection: the name of the manufacturing firm, the machine's specific functions, its technical reliability, the option of immediate and suitable servicing, its price. You certainly evaluated all these factors and then

made your choice: the VA358 WHITE EAGLE  .

We think you have made the best choice and after every coffee and cappuccino you will be able to assess this.

You will see how practical, convenient and efficient working with VA358 WHITE EAGLE  .

If this is the first time you have bought a **Victoria Arduino** coffee machine, welcome to high quality coffee-making; if you are already a customer of ours, we feel flattered by the trust you have shown us.

Thanks of the preference.

With best wishes,

Victoria Arduino



C

US

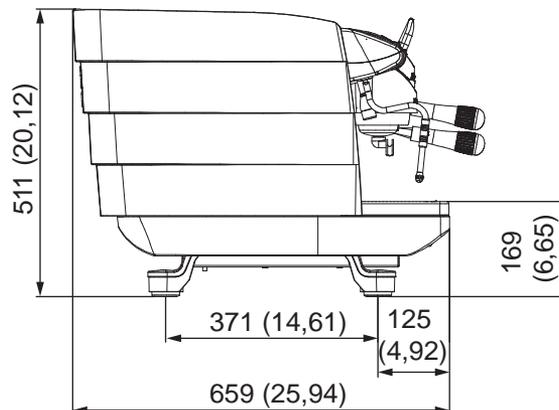
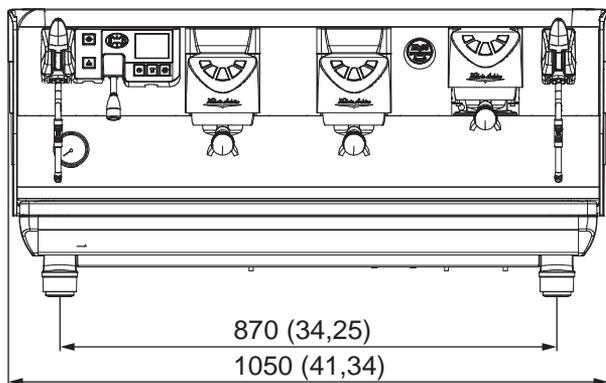


SANITATION



ENGLISH

TECHNICAL CHARACTERISTICS



NOTE: The image shows the dimensions for the 3-groups.
The version 2 groups is reduced to 230 mm in length.

Digit

	2 Groups		3 Groups	
NET WEIGHT	71 kg	156 lb	91 kg	200 lb
GROS WEIGHT	87 kg	191 lb	111 kg	244 lb
POWER	4500 W		5200 W	
CAPACITY STEAM BOILER	11,4 l	385,48 oz	17,3 l	584,98 oz
VOLTAGE	380 V three-phase 50 Hz			

T3

	2 Groups		3 Groups	
NET WEIGHT	74 kg	163 lb	95 kg	209 lb
GROS WEIGHT	90 kg	198 lb	115 kg	253 lb
POWER	7600 W		9500 W	
CAPACITY BOILER GROUP	0,7 l	23,67 oz	0,7 l	23,67 oz
CAPACITY STEAM BOILER	11,4 l	385,48 oz	17,3 l	584,98 oz
VOLTAGE	208 - 240 V three-phase 50 - 60 Hz			

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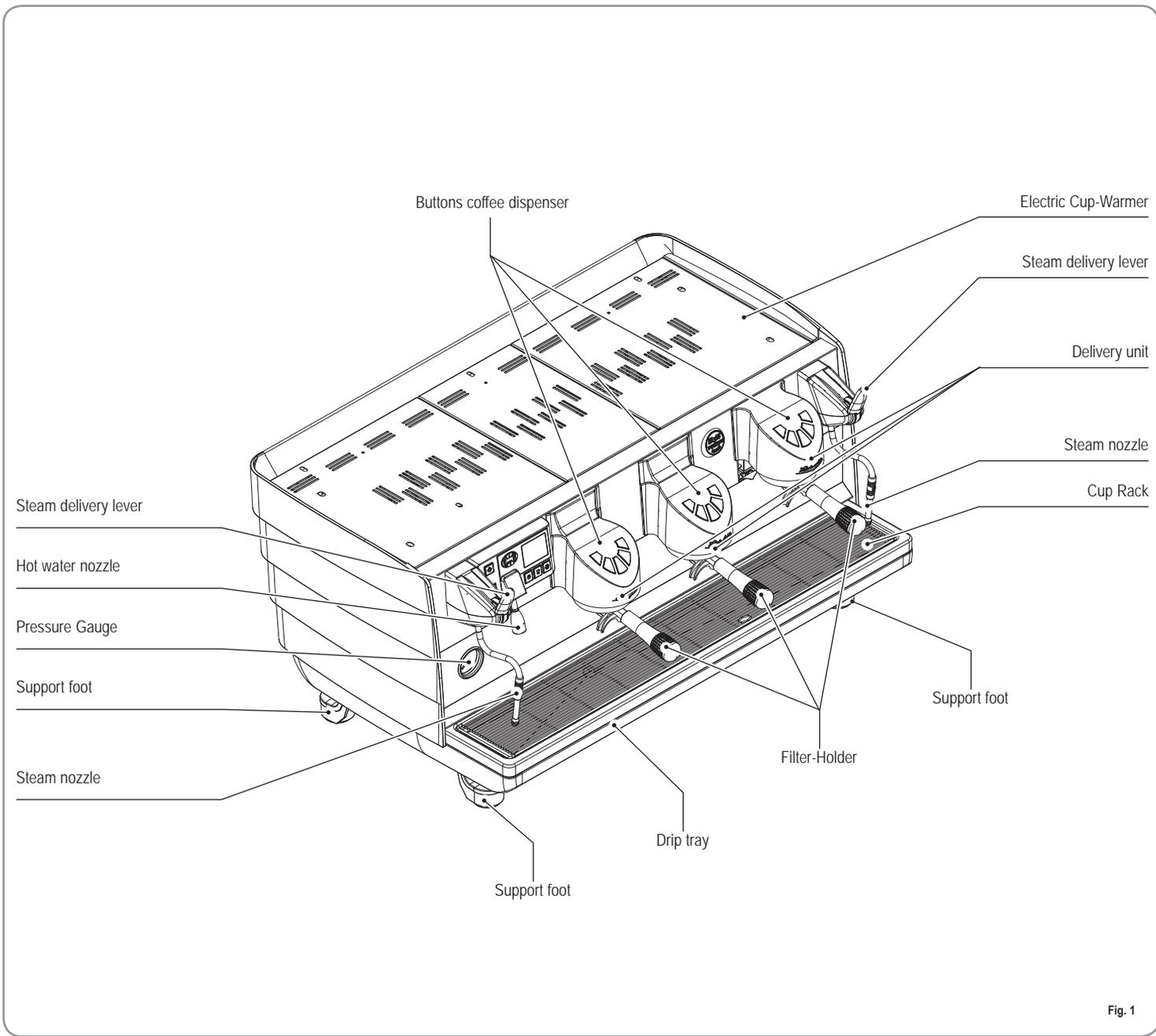
BOILER DIAGRAM VA358 WHITE EAGLE T3 3 GR 69

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BOILER DIAGRAM VA358 WHITE EAGLE 3 GR 71

BOILER DIAGRAM VA358 WHITE EAGLE 4 GR 72

1. DESCRIPTION MACHINE



ENGLISH

Fig. 1

1.1 MAIN KEYBOARD DESCRIPTION

ENGLISH

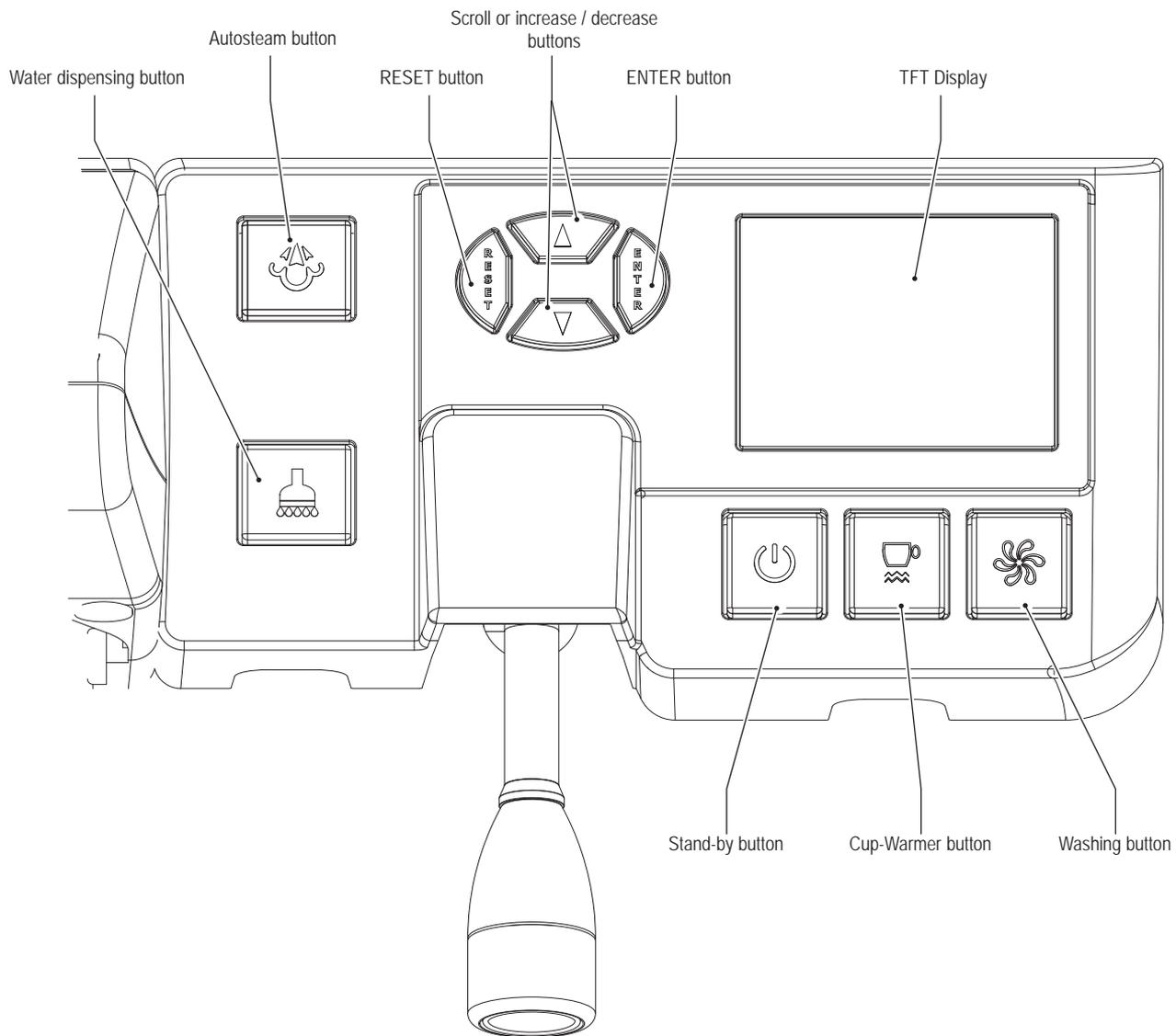


Fig. 2

1.2 GROUPS KEYBOARD DESCRIPTION

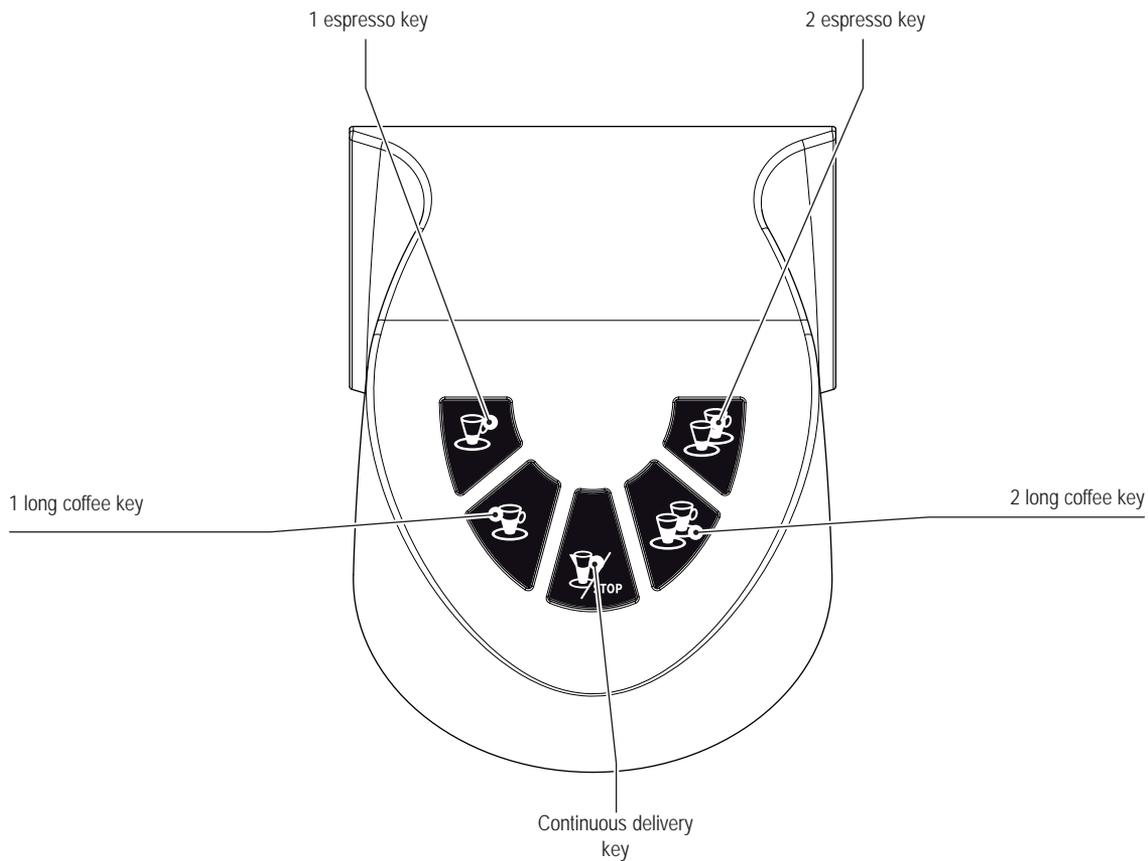


Fig. 3

1.3 ACCESSORIES LIST

ENGLISH

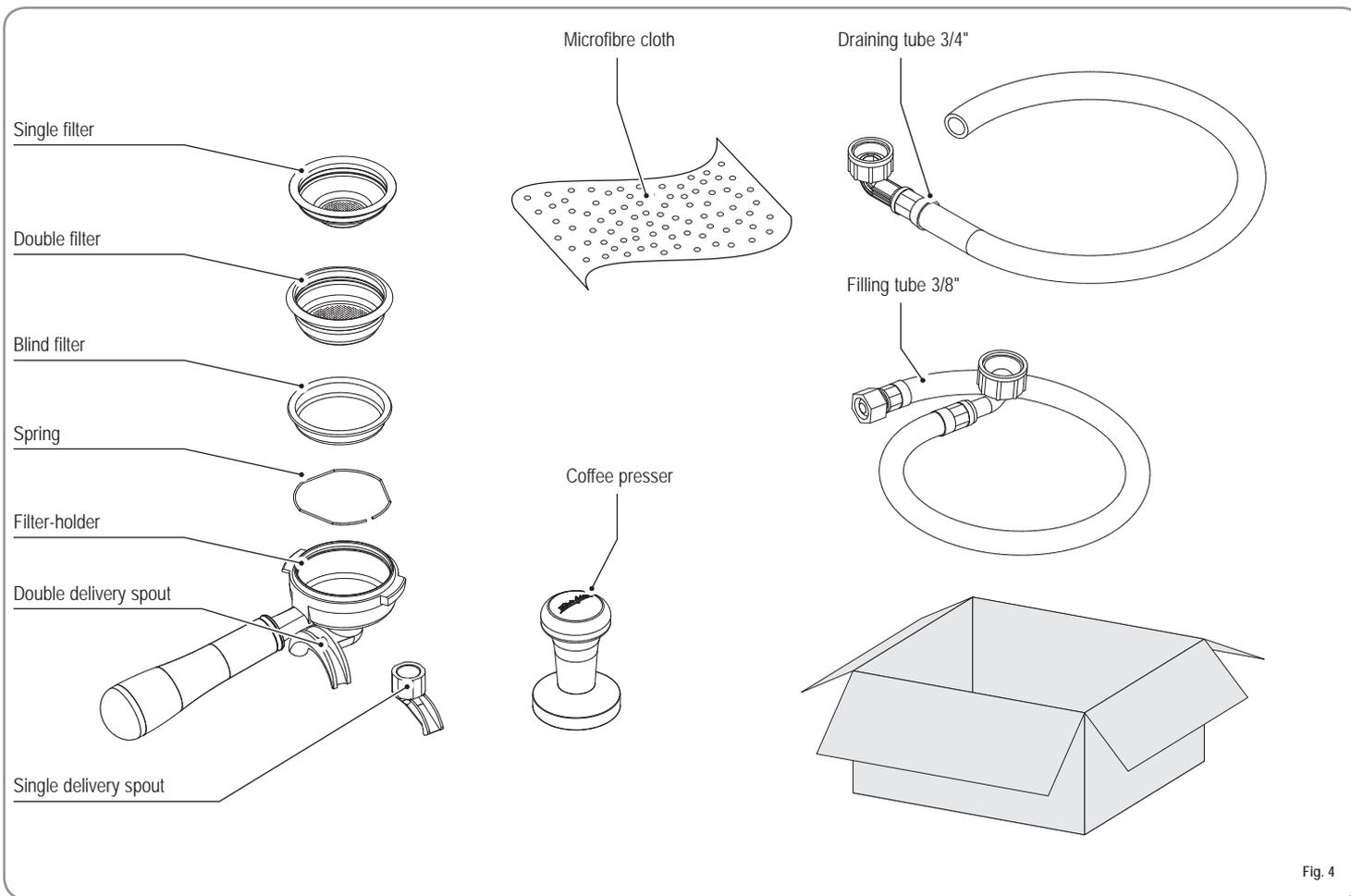


Fig. 4

DESCRIPTION	2 GROUPS	3 GROUPS
Single filter	1	1
Double filter	2	3
Spring	2	3
Filter-holder	3	4
Double delivery spout	2	3
Single delivery spout	1	1

DESCRIPTION	2 GROUPS	3 GROUPS
Coffee presser	1	1
Blind filter	2	3
Draining tube 3/4"	1	1
Filling tube 3/8"	1	1
Microfibre cloth	1	1

2. INSTALLATION AND PRELIMINARY OPERATIONS

Once the machine is out of the packaging and its integrity, and that of the accessories has been checked, place it on a flat, horizontal surface and if necessary, use the adjustable feet to make sure it is correctly level:

- Turn the feet to the left to raise the machine up to a maximum of + 1 cm;
- Turn the feet to the right to lower the machine.

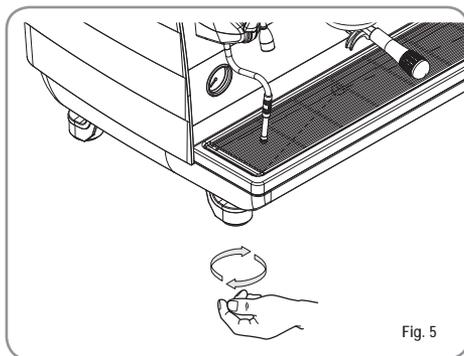


Fig. 5

It is advisable to install a softener (1) and then a mesh filter (2) on the external part of the plumbing system, during preliminaries and after levelling the machine.

In this way impurities like sand, particles of calcium, rust etc.. will not damage the delicate graphite surfaces and durability will be guaranteed.

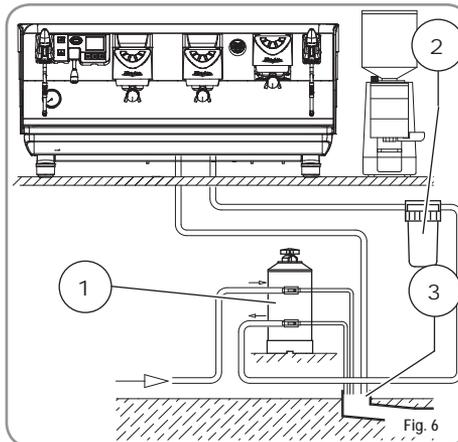
Following these operations, connect the plumbing systems as illustrated in the following figure.



WARNING

Avoid throttling in the connecting tubes. Assess that the drain pipe (3) is able to eliminate waste.

NOTE: In case of exercises in which the service is continuing make parts of the above at least weekly.



KEY

- 1 Softener
- 2 Mesh filter
- 3 Drain Ø 50 mm

2.1 WATER SPECIFICATIONS

Monitoring of water recipe to keep it within required levels and maintenance of filtration system is the user's responsibility.

Failing to meet and maintain water at the following levels will void the entire warranty:

- total hardness 50-60 ppm (parts per million).
- water line pressure between 2 – 4bar and water to be cold.
- min flow rate: 200 l/hr.
- filtration level below 1.0 micron.
- tds (total dissolved solids) level between 50 – 250 ppm.

- alkalinity level between 10 – 150 ppm.
- chlorine level less than 0.50 mg/l.
- Ph level between 6.5 and 8.5.

2.2 ELECTRICAL SPECIFICATIONS



CAUTION RISK OF SHORT CIRCUITS

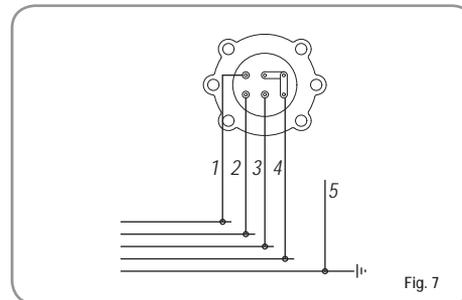
The machine must always be protected by an automatic omnipolar switch of suitable power with contact openings of equal distance or more than 3mm.

Victoria Arduino is not liable for any damage to people or objects due to not observing current security measures.

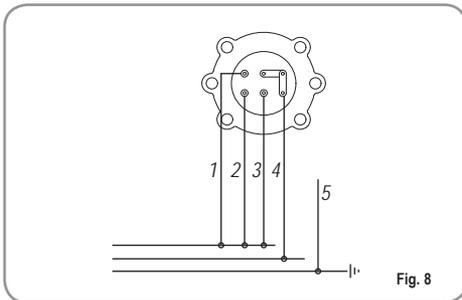
Prior to connecting the machine to the electrical mains, assess that the voltage shown on the machine's data plate corresponds with that of the mains.

If it does not, carry out the connections on the basis of the available electrical line, as follows:

- for **V 380 / 3 phases voltage + Neutral:**



• for V 230 / monophase voltage:

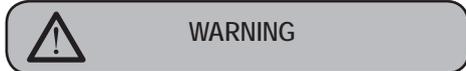


KEY

- | | |
|---------|------------------|
| 1 Black | 4 Blue |
| 2 Gray | 5 Yellow - green |
| 3 Brown | |

3. ADJUSTMENTS TO BE MADE BY A QUALIFIED TECHNICIAN ONLY

3.1 FILLING BOILER MANUALLY



This operation must be carried out with the machine is turned off.

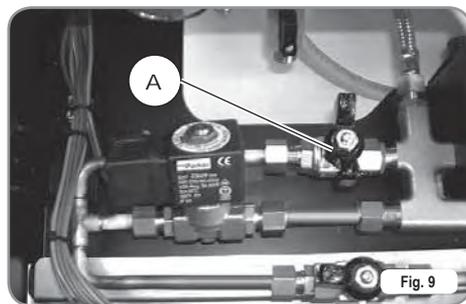
All models VA358 are equipped with a level gauge to keep the water level inside the boiler constant.

When using the machine for the first time, it is advisable to fill the boiler by hand to avoid damaging the electrical resistor and turning on the electronic protection.

If this should happen, just turn the machine off and then start it up again to complete its loading procedure.

To fill the boiler manually for the first time, proceed as follows:

- remove the grid and the drip tray;
- turn the manual "A" level tap so that water will enter the boiler;
- after about 45 seconds, shut off the valve "A" as illustrated in the following figure;



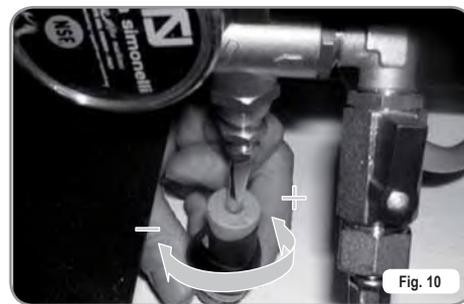
- switch on the machine.

3.2 PUMP ADJUSTMENT

NOTE: This operation can be carried out while the machine is turned on.

To adjust the service pressure of the boiler, thus regulating the water temperature, according to the various functions and needs of the coffee desired, proceed as follows:

- Remove the grid and the drip tray;
- Turn the pump registration screw, turning it clockwise to INCREASE and counter clock wise to DECREASE the pressure;



Advisable pressure: 9 bar

- The set pump pressure is displayed in the pressure gauge, inside the machine;



At the end of the adjustment process, refit the sheet metal guard on the relevant housing and secure it in place with the two side screws. Refit the drip tray and the work surface grid.

3.3 HOT WATER ECONOMISER ADJUSTMENT

NOTE: This operation can be carried out while the machine is turned on.

All models VA358 are equipped with a hot water mixer tap which adjusts the water temperature and optimises the system's performance.

To adjust the hot water economiser, turn the registration knob.

- The hot water economiser is located inside the machine;
- Turn the adjustment knob **ANTICLOCKWISE** / **CLOCKWISE** to **INCREASE** / **REDUCE** the temperature of the hot water;



Fig. 12

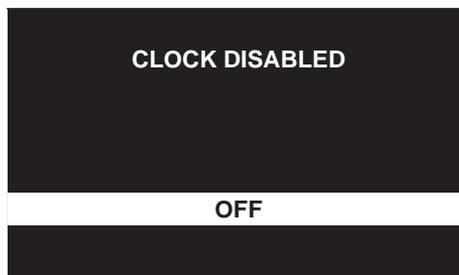
- when the operation has been completed, screw the protective panel back on.

3.4 REPLACING THE CLOCK BATTERY

The electronic control unit has a lithium battery to power the clock; the battery has an autonomy of about three years, after which it will need to be replaced.

In case of an extended period of machine stoppage, the clock can be stopped:

- with the machine off the display will read:



- hold the ON/OFF key down  for 5 sec. to release the clock.



Replacement of the lithium battery must be carried out **EXCLUSIVELY** by Qualified Technician.

Victoria Arduino cannot be held liable for any damage to people or things due to non observance of the safety prescriptions described in this booklet.

4. USE

Before starting to use the appliance, the operator must be sure to have read and understood the safety prescriptions contained in this booklet.

4.1 COMMISSIONING PROCEDURE OR AFTER BOILER MAINTENANCE

When commissioning the machine for the first time or after carrying maintenance switch ON the machine using the main switch positioned lower down and on the right and proceed as follows:

- 1) If the message "OFF – CLOCK DISABLED" appears on the display proceed as follows in step three.
- 2) If the display reads "OFF" press the ON/OFF  key until it reads "OFF –CLOCK DISABLED" and then proceed as described in step 3.
- 3) Switch on the machine using the ON/OFF  key and automatically after the machine has switched on, some water will be poured from the groups for about 45 seconds to make sure that the coffee boiler tanks have been properly filled.

This cycle cannot and must not be interrupted.

If this cycle is interrupted due to a power outage or if the machine is accidentally switched off from the main switch, the next time the machine is switched on, the cycle will be started again for approximately 45 seconds more.

4.2 SWITCHING THE MACHINE ON/OFF

SWITCH ON: plug the machine into the power socket and press the switch "A" so it is in position "I"; the machine will switch on.



If the self-diagnostics report anomalies or failures, the operator **MUST NOT** intervene. Please contact the Assistance Centre.

- The display, which is not illuminated, will read:



NOTE: The machine is not operational, since the main switch only powers the electronic card.



For electronic card maintenance, turn the machine off by means of the external main switch or disconnect the plug.

MANUAL SWITCHING ON/OFF

Automatic On/Off NOT PROGRAMMED

NOTE: make sure that the general switch is always on the position "I".

SWITCH ON: press the ON/OFF button  for about 2 seconds until the light  switches on.

The control unit will start up an auto diagnosis cycle to check the functions, all the selection keys will light up.

After the diagnostics stage, the "Home Page" will open on the screen":



NOTE: on completion of the check up all the selection keys are activated.

WARNING

In case the auto diagnosis indicates error or malfunction, call an assistance centre; the operator **MUST NOT** intervene.

SWITCHING OFF: press the ON/OFF button  for about 2 seconds, until the light switches off . The machine will switch off and the display will read:



Automatic On/Off PROGRAMMED

NOTE: make sure that the general switch is always on the position "I".

The machine will SWITCH OFF at the first time set for stopping the coffee maker (see the PROGRAMMING chapter and the ENERGY SAVING section).

The control unit will perform an auto diagnosis of all functions and all of the selection keys will light up.

After the diagnostics stage, the "Home Page" will open on the screen:



NOTE: once the auto diagnosis has been completed all the keys are activated.

WARNING

If the self-diagnostics report anomalies or failures, the operator **MUST NOT** intervene. Please contact the Assistance Centre.

The machine will SWITCH ON at the first programmed switch-on time (see the PROGRAMMING chapter and the ENERGY SAVING section).

NOTE: the machine can be switched on or off manually as indicated in the previous paragraph.

4.3 MAKING COFFEE

WARNING

If the sequence indicated below does not take place, see the chapter entitled "**TROUBLESHOOTING**".

- 1) After commissioning the machine, insert the desired filter (single or double inside the filter holder).

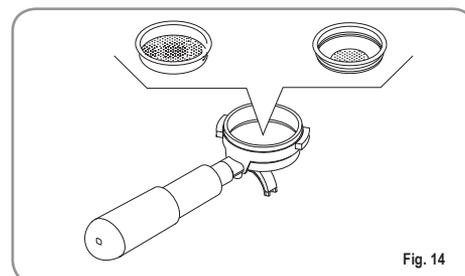


Fig. 14

- 2) Fill the doser with coffee to the brim and put the coffee inside the filter.

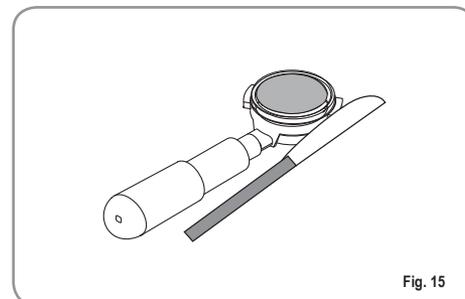


Fig. 15

- 3) Press the coffee in the filter uniformly using the appropriate presser.

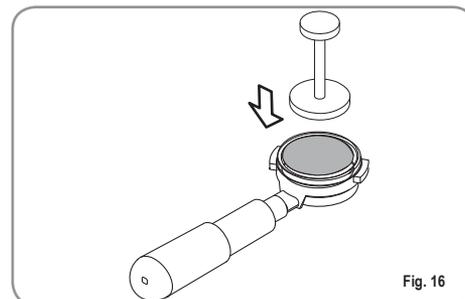
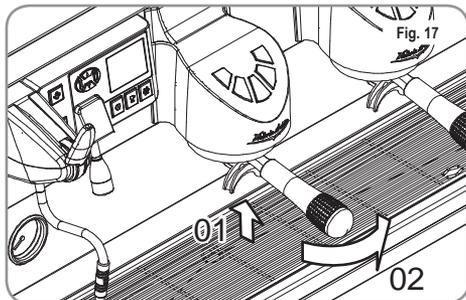
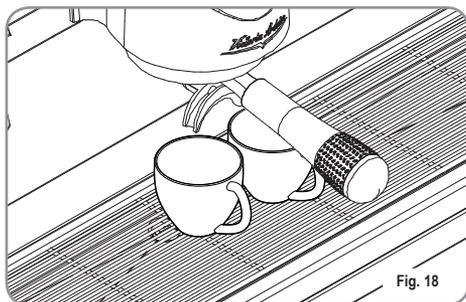


Fig. 16

- 4) Clean the edge of the filter of coffee residues and insert the filter holder into the dispensing unit.



- 5) Position the cup/s under the spout/s.



- 6) Press the relative   dispensing button for 1 cup or 2 cups of coffee.
- 7) The pump activates and starts the dispensing.
- 8) On reaching the set quantity, the pump stops and the dispensing automatically stops.

NOTE: At the end of each coffee dispensing, for the cleaning of the group, deliver water for 4-5 seconds.

4.4 USING STEAM (Manual steam wand)

NOTE: Before using the steam wand, always bleed out any condensation for at least 2 seconds or according to the manufacturer's instructions.

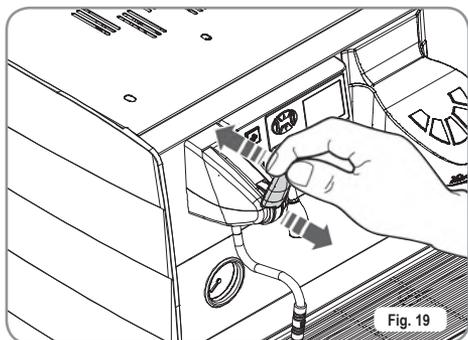
CAUTION
RISK OF BURNS OR SCALDING

While using the steam nozzle, you must pay attention to not place your hands beneath it or touch just after it has been used.

To use the steam function, pull or push the relevant lever, as shown in the figure.

By pulling it completely the lever will hold a position of maximum delivery; by pushing it, the lever will automatically give way.

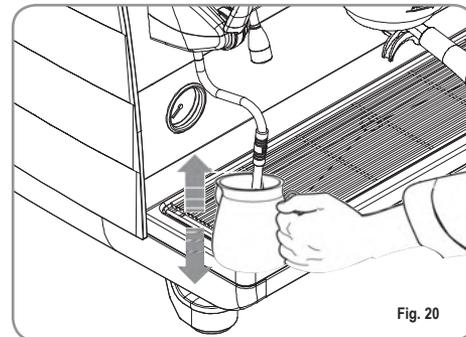
The two steam nozzles are articulated to guarantee their easy use.



4.5 MAKING CAPPUCCINO

To obtain the typical cappuccino foam, immerse the nozzle all the way into a container 1/3 full of milk (preferably cone-shaped). Turn on the steam. Before the milk starts to boil, pull the nozzle slightly up and lightly move it vertically across the surface of the milk. When you have

completed the procedure, clean the nozzle carefully with a soft cloth.



4.6 HOT WATER SELECTION

CAUTION
RISK OF BURNS OR SCALDING

While using the hot water nozzle, pay careful attention not to place your hands beneath it or touch it just after it has been used.

This nozzle delivers hot water to make tea or herb teas.

Place a suitable container under the hot water nozzle. Press the hot water select button once;

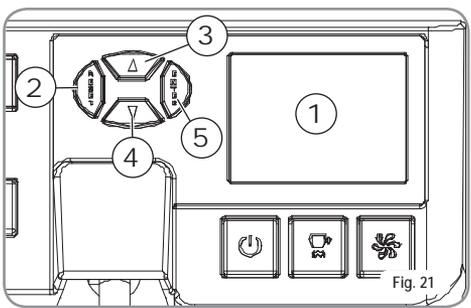
the light  will switch on.

The hot water wand will deliver water for the amount of time equivalent to the set value (see PROGRAMMING section and the DOSE PROGRAMMING section) or press the button again to stop pouring.

NOTE: Hot water can be delivered at the same time as coffee.

5. PROGRAMMING

5.1 KEY



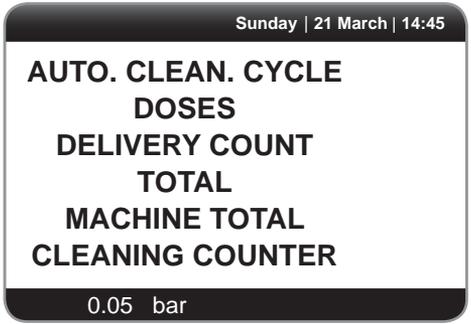
- ① LCD Display.
- ② **RESET** key: to turn the machine on and off and to exit menu.
- ③ **CURSORS** key: to scroll the menu and to increase and decrease values.
- ④
- ⑤ **ENTER** key: to access the menu.

LIST OF DISPLAY FUNCTIONS (USER Mode)

AUTO. CLEAN. CYCLE
DOSES
DELIVERY COUNT
TOTAL
MACHINE TOTAL
CLEANING COUNTER

5.2 VISUALIZATION (USER Mode)

To enter the user mode display environment, hold down the **ENTER** key for few seconds. The machine will read:



AUTOMATIC CLEANING CYCLE

- The display will show:



- Press **ENTER** and the display will read:



- The key in each unit will begin to flash on and off. Insert the blind filter into the filter-holder, add half a dose of detergent and attach the filter-holder into the unit where you intend to carry out the automatic cleaning cycle. Carrying out a cleaning cycle in more than one unit at a time is possible.
- Press the key to start the unit automatic cleaning cycle. The display will read:



where 1W indicates that the cleaning cycle has been activated within the 1st unit. Once the cycle of 15 deliveries of 5 seconds each, with a 10-second pause between each delivery, has been completed the selected unit key will begin to flash on and off again and the display will read:



Where 1R indicates that the group has been activated the rinse cycle. Press the key to start the rinsing.

- Press the **RESET** key to view the next functions or to quit the display mode.

DOSES

- The display will read:



- Press the **ENTER** key to access the settings:
 - 1 Espresso
 - 1 long coffee
 - 2 Espresso
 - 2 long coffees
 - Hot water
 - Steam
 The related buttons flashing.
- Pressing one of the flashing keys will show the corresponding programmed setting on the display.
- Press the **RESET** key to quit the display mode.

ENGLISH

POURING COUNT

- The display will read:

DELIVERY COUNT

- Press the **ENTER** key and all of the dose, hot water and steam keys will start to flash.
- Pressing one of the flashing keys will show the corresponding counter on the display.
- Hold for a few seconds the button  to reset the counter group.
- Press the **RESET** key to quit the display mode.

TOTAL

- The display will read:

TOTAL

- The key  of each group will flash and when pressed, the machine will show the number of coffees poured with the given group.
- Press the **▲ ▼** keys to view the other functions.

TOTAL GROUP
XXX

- Press the **RESET** key to quit the display mode.

MACHINE TOTAL

- The display will read:

MACHINE TOTAL
DELIVE. xxx

- Press the **▲ ▼** keys to view the other functions.
- Press the **RESET** key to quit the display mode.

WASH COUNT

- The display will read:

CLEANING COUNTER

- The key for each group  will flash and when pressed, the display will show the number of wash cycles carried out for that particular group.
- Press the **▲ ▼** keys to view the other functions.
- Press the **RESET** key to quit the display mode.

LIST OF PROGRAMMABLE FUNCTIONS (TECHNICIAN MODE)

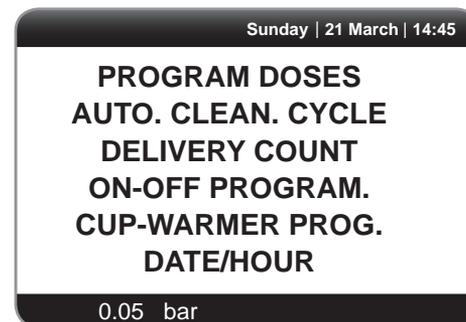
PROGRAM DOSES 
 AUTO. CLEAN. CYCLE 
 DELIVERY COUNT 
 ON-OFF PROGRAM. 
 CUP-WARMER PROG. 
 DATE/HOUR 
 POURING TIME 
 SETPOINT PRESS.  °
 FAULTS HISTORY 
 MAINTENANCE 
 SETPOINT TEMPERATURE *
 LANGUAGE 
 INFORMATION 

 Operation to be carried out **EXCLUSIVELY** by a Qualified Technician. Adjustment by **NON** qualified technicians can invalidate the guarantee.

- * T3 version only
- ° Digit version only

5.3 PROGRAMMING (TECHNICIAN Mode)

To enter the Technician Mode programming environment press and hold for a long time the **ENTER** key and wait for the acoustic signal.



PROGRAMMING DOSES

- The display will read:

PROGRAM. DOSES

- Press **ENTER** and the display will read:

PROGRAM. DOSES
SELECT

All the programmable keys will start to flash on and off.

- Press the coffee key you wish to program; the display will read:

VOLUME C.C.:

Followed by the dose amount already set by the manufacturers.

- Vary the dose, by pressing the buttons **▲ ▼**.

- By pressing the coffee key you want to program, delivery will be started up (in the meantime all the other keys will turn off).
- Once you have the required dose, press the continuous coffee key  to stop pouring.
- The display will show the new dose amount which can still be changed by means of the keys ▲ ▼ .
- Press the ENTER key to confirm the programmed dose.
- Press the RESET key to cancel programming.
- The programmed coffee key will switch off.

Hot Water

- Press the  button and make sure that it lights up. The display will read:

PROGRAM. DOSES
SECONDS X.X

The value X.X is the default setting. Press the ▲ ▼ keys to vary the hot water delivery time.

- If a new sampling is desired press the  button again.

Delivery starts. When the desired dose has been reached press the button again .

- The display will show the new dose value set which can still be changed by pressing the ▲ ▼ keys.
- Press the ENTER key or go on to a further selection to terminate the operation.
- Press the RESET key to cancel programming.

The  button will turn off.

Steam timer / temperature

- Press the  button and make sure it lights up. In those models provided with a temperature probe (optional) the control unit automatically recognizes the presence of the probe and the display will read:

PROGRAM. DOSES
STEAM. TEM. C

followed by the temperature set previously by the manufacturer.

Press the ▲ ▼ keys to vary the temperature of the beverage you want to heat. When the desired temperature has been reached, the steam delivery will automatically stop.

- In the standard version (without temperature probe), on pressing the  the display will read:

PROGRAM. DOSES
STEAM. SEC.

followed by the amount already set by the manufacturers. Press with the ▲ ▼ keys to vary the steam delivery time.

- If a new sampling is desired press the  button again.

Delivery starts. When the desired dose has been reached press the button again .

- The display will show the new value set which can still be changed by pressing the ▲ ▼ .
- Press the ENTER key or go on to a further selection to terminate the operation.
- Press the RESET key to cancel programming. The  button will turn off.

AUTOMATIC CLEANING CYCLE

- The display will show:

AUTO. CLEAN. CYCLE

- Press ENTER and the display will read:

AUTO. CLEAN. CYCLE
SELECT

- The key in each unit  will begin to flash on and off. Insert the blind filter into the filter-holder, add half a dose of detergent and attach the filter-holder into the unit where you intend to carry out the automatic cleaning cycle. Carrying out a cleaning cycle in more than one unit at a time is possible.
- Press the  key to start the unit automatic cleaning cycle. The display will read:

AUTO. CLEAN. CYCLE
i W

where 1W indicates that the cleaning cycle has been activated within the 1st unit. Once the cycle of 15 deliveries of 5 seconds each, with a 10-second pause between each delivery, has been completed the selected unit  key will begin to flash on and off again and the display will read:

AUTO. CLEAN. CYCLE
i R

- Where 1R indicates that the group has been activated the rinse cycle. Press the  key to start the rinsing.
- Press the RESET key to view the next functions or to quit the display mode.

DELIVERY COUNT

- The display will read:

DELIVERY COUNT

- By pressing the **ENTER** key the display will read:

SELECTION TOTAL
SELECT

- All the delivery keys will start to flash on and off. By pressing one of the delivery keys the amount of the deliveries made will be visualised.
- Hold down the **RESET** key for 3 seconds to reset.

NOTE: The continuous coffee equals one delivery.

- Press **▼** key and the display will read:

MACHINE TOTAL
DELIVE. XXXX

This indicates the total amount of deliveries made.

- Hold down the **RESET** key for 3 seconds to reset.
- By pressing the **▼** key the display will read:

CLEANING COUNTER

To access the automatic cleaning counter press **ENTER**.

- The keys  , on the machine will begin to flash; when the group key is pressed, the display will show the number of wash cycles carried out. Hold down the **RESET** key for 3 seconds to reset.

ON-OFF PROGRAM.

- The display will read:

ON-OFF PROGRAM

- By pressing the **ENTER**, the display will read:

MONDAY
ON 07:30 OFF 23.30

where the ON and OFF values indicate when the machine will turn on and off.

- Press **▲ ▼** to change the day forward and backward.
- Press **ENTER** to vary the programmed starting up time (the message ON 07:30 will start to flash on and off).
- Use the **▲ ▼** keys to vary the starting up time.
- Press **ENTER** to confirm and to go on to the programmed switching off time (the message OFF 23.30 will start to flash on and off).
- Use the **▲ ▼** keys to vary the switching off time.
- Confirm by pressing **ENTER**.
- To de-activate the on/off function on weekly day-off, press **RESET**.
The display will read:

DAY OFF

(to reinstate, press **RESET**)

After the word **SUNDAY**, by pressing **▼** again, a beep will signal that you have come to the following page.

CUP-WARMER PROGRAMMING

- The display will read:

CUPWARMER PROG.

Programming time

- Pressing **ENTER** will cause the display to read, for example:

CUP-WARMER PROG.
ON XX OFF xx

The message ON XX will begin to flash; use the **▲ ▼** keys to change the cup warmer open time (from 0 to 60 min).

- Press **ENTER** to confirm and pass to the cup warmer OFF time (from 0 to 60 min).

NOTE: Setting one of the two ON/OFF values to 0 will automatically bypass the function.

- Press  key for few seconds to pass to the next page.

DATE/HOUR

- The display will read:

DATE/HOUR

- By pressing the **ENTER** key, the display will read for example:

MONDAY 08:22
01 FEBRUARY 2016

The times will start to flash on and off.

- Vary the hours and the minutes by using the key ▲ ▼ .
- Confirm by pressing the ENTER key.

Once the hours and the minutes have been varied press **ENTER** again and vary the day, the month and the year by using the same procedure as described above.

On completion press **ENTER** to go on to the next page.

DELIVERY TIME

- The electronic system control delivery times according to the coffee grinding fineness.
- The display will read:

DELIVERY TIME

- When the **ENTER** key is pressed, the display will read:

DELIVERY TIME
XXX

Using the ▲ ▼ keys, it is possible to select XXX as:

- **NOT ACTIVE:** pouring times will not be shown.
- **TIMED:** It will be displayed delivery times.
- **PERSISTENT:** It displays the time of the last delivery.
- Press **ENTER** to confirm and pass to the next step.
- Press **RESET** to return to the previous page without confirming.

SETPOINT PRESS.

Allows to chose the pressure/ temperature in the working status.

SETPOINT PRESS.

When the **ENTER** key is pressed, the display will read:

SETPOINT PRESS.
XX.XX BAR

Press ▲ ▼ to adjust the work-press/temp point.

- Press **ENTER** to confirm and pass to the next step.
- Press **RESET** to return to the previous page without confirming.

PRESSURE - TEMPERATURE TABLE

Bar	°C	°F
0,50	110,5	230,9
0,55	111,5	232,7
0,60	112,5	234,5
0,65	113,5	236,3
0,70	114	237,2
0,75	115	239
0,80	115,5	239,9
0,85	116,5	241,7
0,90	117,5	243,5
0,95	118	244,4
1,00	119	246,2
1,05	119,5	247,1
1,10	120,5	248,9
1,15	121	249,8
1,20	122	251,6
1,25	112,5	252,5
1,30	123	253,4
1,35	124	255,2
1,40	124,5	256,1
1,45	125	257
1,50	126	258,8
1,55	126,5	259,7
1,60	127	260,6

FAULTS HISTORY

- The display will read:

FAULTS HISTORY

- By pressing the **ENTER** key, the display will read:

ENGLISH

ERROR 01

- Pressing the ▼ key, allows you to scroll down the ten previous alarms saved in the memory. After the tenth alarm, by pressing the ▼ key again you can go on to the next page.

MAINTENANCE

- The display will read:

MAINTENANCE

- By pressing the ENTER key, the display will read:

DELIVE. 10000
01 JANUARY 2005

- Use the ▲ ▼ keys to set both values.
 - Use the ENTER key to confirm.
- Once the set delivery limit or the set maintenance date have been reached, the display will visualize the message:

MAINTENANCE

To remove the MAINTENANCE message, move the date forward or increase the number of coffees.

SETPOINT TEMPERATURE
(VERSION T3 ONLY)

- It is possible to access this function by pressing the ENTER key.

The ▲ ▼ key serves to adjust the temperatures of the boilers and units; the ENTER key is used to confirm and pass to the next value. When the last unit has been confirmed, the function returns to the main menu.

Pressing the RESET key moves to the next value to be adjusted; any changes made will not be saved.

SETP G1: Unit 1 temperature
SETP C1: Boiler 1 temperature
SETP G2: Unit 2 temperature
SETP C2: Boiler 2 temperature
SETP G3: Unit 3 temperature
SETP C3: Boiler 3 temperature
SETP G4: Unit 4 temperature
SETP C4: Boiler 4 temperature

SETPOINT TEMPERATURE

- When the display reads:

SETPOINT TEMP.

- Pressing the  key for a few seconds will open the OFFSET function.
 - The ▲ ▼ keys serve to adjust the OFFSET of the various unit boilers.
 - The ENTER key confirms and passes to the next value
 - When the last unit has been confirmed, the function returns to the main menu
 - Pressing the RESET key passes to the adjustment of the next value; any changes made will not be saved.
- OFFS. G1: Group 1 offset
OFFS. C1: Boiler 1 offset
OFFS. G2: Group 2 offset

OFFS. C2: Boiler 2 offset
OFFS. G3: Group 3 offset
OFFS. C3: Boiler 3 offset
OFFS. G4: Group 4 offset
OFFS. C4: Boiler 4 offset

LANGUAGE

- The display will read:

LANGUAGE

- Press the ENTER key to visualise the language already set. Choose the desired language by using the ▲ ▼ .
- Press ENTER to confirm and pass to the next step.
- Press RESET to return to the previous page without confirming.

INFORMATION

The display shows the information of the electronic power board and of the display:

REL. POWER 0.13
REL. TFT 0.11

6. CLEANING

6.1 SWITCHING OFF

To switch the machine off press the main switch and set the machine to the "0" energy position.

6.2 CLEANING THE OUTSIDE OF THE MACHINE

The machine must be set to "0" power (switch off and disconnecter open) before any cleaning operations are performed.



WARNING

Do not use solvents, chlorine-based products or abrasives.



WARNING

It is not possible to clean the machine using water jets or standing it in water.

Cleaning the work area: remove the worktop, lifting it up from the front and sliding it out. Remove the water collection dish underneath and clean everything with hot water and cleansers.

Cleaning the bottom: To clean all the chromium-plated areas, use a soft, damp cloth.

6.3 CLEANING THE STAINLESS COFFEE-HOLDERS

The stainless coffee-holders are situated under the delivery units.



NOTE: To clean proceed as follows:

- Turn the screw placed in the centre of the coffee-holder.
- Slide the coffee-holder out and check that its holes are not obstructed but clean.
- If obstructed, clean as described.
We recommend cleaning the coffee-holder once a week.

6.4 CLEANING THE UNIT WITH THE AID OF THE BLIND FILTER

The machine is pre-set for cleaning the delivery unit with a specific washing powder.

The machine will initiate washing cycle which consists in the circulation of hot water followed by regular breaks.

We recommend carrying out a washing cycle at least once a day with special cleansers.



CAUTION RISK OF INTOXICATION

Once the filter-holder has been removed, repeat delivery operations a few times to eliminate any cleanser residues.

To carry out the washing procedure, proceed as follows:

- Substitute the filter with the delivery unit blind filter.
- Fill it with two spoonfuls of special cleanser powder and insert it into the unit filter-holder.
- Press one of the coffee keys and halt it after 10 seconds.
- Repeat the procedure several times.
- Remove the filter-holder and carry out a few deliveries.

6.5 CLEANING FILTERS AND FILTER-HOLDERS

Place two spoonfuls of special cleanser in half a litre of hot water and immerse filter and filter-holder (without its handle) in it leaving them to soak for at least half an hour. Then rinse abundantly with running water.

8. MACHINE FUNCTION MESSAGES

DISPLAY AND KEY INDICATIONS	CAUSE	EFFECT	SOLUTION	NOTE
DIAGNOSIS OF ERROR	At the time of the diagnosis the system presents faults within the control unit EPROM.	If after 90 sec of machine functioning the water level is not re-established.		
DELIVERY ERROR	On reaching delivery time limit (120 seconds) the doser doesn't send out its set commands.	The display indicator and the 'continuous' key belonging to the relative unit will flash on and off.	Press the RESET key or one of the keys ▲ ▼ .	
DOSER ERROR	If the doser doesn't send out its set commands within the first three seconds from delivery onset.	If the delivery isn't manually halted, the maximum time limit (120 sec) will be blocked.	Press the RESET key or one of the keys ▲ ▼ .	
LEVEL ERROR	If after 90 sec of machine functioning the water level is not re-established.	The display indicator will flash on and off. The pump is deactivated. The resistor and all the functions are halted.	Turn the machine off and then turn it on again. All its functions will be re-activated.	
PRESSURE ERROR	When the machine's temperature is higher than 130°C.	The display indicator will flash on and off and the resistor is de-activated.	The system will be re-established as soon as the temperature goes below 130°C.	The boiler is provided with a manual refitting safety thermostat; if the resistor is not re-established, call a qualified technician.
OVERCURRENT ERR.	Incorrect electrical input caused by a malfunction in one of the machine charges.	The display reading will flash. The pump will switch off. The heating element and all other functions will be disabled.	Switch off the machine and send for a specialist technical engineer.	
FINE GRINDING	The machine registers values different from the set values.	A much longer delivery time.	Modify grinding degree and press the key RESET or one of the keys ▲ ▼ .	By leaving the machine in the programming state, within 10 minutes from the last selection, the system will return to the previous configuration and the display will indicate its reestablishment of normal functioning.
COARSE GRINDING	The machine registers values different from the set values.	A much shorter delivery time.	Press the RESET key or one of the keys ▲ ▼ .	



More info



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MACHINES**

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