USER MANUAL

«VITRO S5»

ESPRESSO
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CAUTIONS

General

- Before using this dispenser, this manual must be read carefully.
- This automatic dispenser has been designed and built in accordance with all safety legislation in force.
- AZKOYEN, hereby guarantees that these machines comply with the following directives:
  - CE Machinery Directive 2006/42/EC and its amendments
- This document contains private property information protected by legislation on intellectual property. All rights are hereby reserved. No part of this document may be photocopied, reproduced or translated without the prior written consent of AZKOYEN.
- AZKOYEN hereby declines all liability for damages caused to persons or things as a result of the following:
  - Incorrect installation.
  - Inadequate electrical and/or hydraulic installation.
  - Deficient cleaning or maintenance.
  - Incorrect use of the machine.
  - Using non-original replacement parts or making unauthorised modifications
- AZKOYEN hereby reserves the right to introduce, without prior notice, all improvements to this model derived from its constant research.
- This appliance is not designed to be used by persons (including children) with reduced physical, sensory or mental capabilities, lack of experience or knowledge, unless they are supervised or have been instructed in its use by somebody responsible for their safety. (60335-1:2002/a2:2006). Children should be supervised to ensure that they do not play with the appliance.
- Given the characteristics of some food products, these may lead to incorrect operation of the machine if used beyond the parameters of temperature and relative humidity recommended in this manual.
- If it is necessary to move the machine avoid:
  - Tipping the machine.
  - Dragging or lifting it with some kind of pulling system (rope, straps, etc.).
  - Shaking or striking the machine, no matter whether it is in protective wrapping or not.
Installation

- These machines are designed EXCLUSIVELY FOR INDOOR USE. They must not be installed in places that may be exposed to sprayed water, and they likewise must not be cleaned using sprayed water.
- The machine should be installed in locations that meet the recommendations of temperature, electrical and water installations, weights, etc., in this manual and performed by qualified personnel.
- The plug of the machine has an earth connection. The outlet must be connected to a good earth connection and must be located in an accessible position once the machine is installed.
- THE INSTALLATION AND OPERATIONS REQUIRED FOR INITIAL START-UP OF THESE MACHINES MUST BE PERFORMED BY QUALIFIED PERSONNEL.

Maintenance

- The user or person responsible for refilling and cleaning the device must follow the instructions set forth in this manual.
- For refilling, only use food products prepared specifically for these kinds of vending machines. Do not touch the product with your hands, and prevent liquids from falling inside the product hoppers.
- All elements that require tools to be disassembled must only be handled by qualified technical personnel.
- This manual is an integral part of the machine, and as such, it must always remain inside the same so that it may be consulted at any time.
- Water must be prevented from freezing in the interior of the machine. If any maintenance task is going to be performed and the machine is going to be disconnected for a long period of time, the boiler must be emptied.

Electrical

- THE MACHINE HAS COMPONENTS THAT OPERATE AT DANGEROUS VOLTAGES. DO NOT DISCONNECT ANY COMPONENT. ONLY TECHNICAL SERVICE IS AUTHOURISED.
- Ensure that the electrical installation, the outlet and the automatic circuit breaker have the appropriate sizes for machine consumption.

Symbols used on the machine

FOR ANY ADDITIONAL INFORMATION THAT IS NOT SPECIFIED HEREIN CONTACT YOUR DISTRIBUTOR OR ACCESS THE TECHNICAL MANUAL FROM AZKOYEN'S OFFICIAL WEBPAGE

This symbol on a label indicates if you need more information, you can be found in the User Manual.
CHAPTER 1. GENERAL CHARACTERISTICS

1.1.- Description of the VITRO S5 line.

The machines of the AZKOYEN VITRO range are TABLETOP type dispensers of coffee and soluble drinks, and they are especially designed for use in places with average coffee consumption, such as waiting rooms, medium sized offices, etc.

Depending on the type of services offered, the machine is equipped with soluble product hoppers and can include groups with their respective hoppers, to offer coffee, tea, etc.

1.2.- Main characteristics

<table>
<thead>
<tr>
<th>Dimensions (mm)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>590</td>
</tr>
<tr>
<td>Height / Height with stand</td>
<td>775 / 1630</td>
</tr>
<tr>
<td>Width</td>
<td>480</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>55 ± 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical specifications</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>according to the characteristics plate (+6V/-10V)</td>
</tr>
<tr>
<td>Maximum consumption</td>
<td>1200W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Characteristics of the water supply system</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Types of water service connections</td>
<td>Water supply system, stand-alone on stand or with an incorporated tank.</td>
</tr>
<tr>
<td>Min. pressure of the water supply system</td>
<td>min 0,098 MPa.; Max. 0,98 MPa</td>
</tr>
<tr>
<td>Curb cock diameter</td>
<td>¾” M</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Products and serving selection system</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity per soluble product hopper</td>
<td>3 l</td>
</tr>
<tr>
<td>Number of selections</td>
<td>12</td>
</tr>
<tr>
<td>Number of pre-selections</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other characteristics</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum working inclination</td>
<td>2º (on any axis)</td>
</tr>
<tr>
<td>Sound level</td>
<td>&lt;80 dB(A)</td>
</tr>
<tr>
<td>Optimum exterior temper. Environment</td>
<td>1ºC &lt; T &gt; 40ºC; &lt;65% Rel. hum.</td>
</tr>
</tbody>
</table>
1.3.- Description of the main components

Fig. 1
1 Coffee bean Hopper
2 Cabinet
3 Mixers
4 Espresso coffee unit
5 Coffee bean tray
6 Liquid spill tray
7 Soluble product hoppers

Fig. 2
8 Information screen
9 Sellection buttons
10 lift cup
Fig. 3
1 Hopper
2 Hopper flow gate
3 Mill regulating handle
4 Upper piston
5 Lower unit
6 Unit securing lever
CHAPTER 2. INSTALLATION AND START-UP

2.1.- Choosing a machine location

Before choosing the location for your “VITRO S5” machine, keep in mind that if any maintenance or repair work has to be performed, it is possible that the interior of the machine may have to be accessed from the rear. A place must be selected where it is possible to eventually turn the machine around in order to be able to open the rear.

2.2.- Levelling

Remove the screws that fasten the machine to the transport pallet.

If your machine is not going be installed on a “VITRO S5” machine stand, mount the leg supports that are provided as attachments and level the machine adjusting the legs as needed.

2.3.- Electrical installation

The voltage of the electrical installation must correspond to the voltage indicated on the characteristics plaque located on the back of the machine, and it must not exceed the limits set in each country.

Maximum consumed power: according to the characteristics plaque.

2.4.- Water inlet

Prepare a water inlet in accordance with the indications of the general characteristics table, in the place in which the machine is to be situated. The distance between this water inlet and any electric socket must be at least 1 m. In any event, observe the European Directives.

2.5.- Machine installation on a STAND.

The machine must be positioned on a piece of furniture or support such that it is stable and cannot be accidentally tipped over.

AZKONYEN can supply a stand especially designed for this range of machines. If you would like more information, consult your distributor.

1. Punch-out the residual waste opening (only for Espresso and Fresh Brew machines)
2. Position the machine on the stand and fasten it using hex screws and washers.
3. Remove the black cap from the base of the machine to clear the drain hole.
4. Drill a drain hole in the plastic tray using an Ø 8 drill bit (you will see the “blind” hole to be drilled at the bottom of the tray.).

5. Remove the sensor cable from the spill tray, fastened to the coin box bracket, and lead it to the waste bin of the stand as shown in the figure. Fasten it to the shelf using the ties that have been provided.

6. Attach the tube for liquid waste to the tray of the machine and guide it to the corresponding container.

7. Place the waste container as shown in the images. The tube used for the solid wastes must coincide with the funnel through which the espresso coffee packets drop in all machines equipped therewith.
Waste container assembly according to the type of machine

Fresh Brew

Coffee grounds tray

Stand-alone container area

Tubes for solid wastes

Solid wastes container

Liquid waste container

Espresso & Instant

Sensor

Ties
2.6.- Changing the product and price sign
Disconnect the machine and remove the plastic nut that fastens the top of the buttons.

Pull back the cover to remove the selections menu. Press on the side of the label holder to release the row of labels you want to change. Replace it with the desired label and press down on the label holder until the selections menu is fastened in place.

Once the necessary operations have been made, restore the cover and the cups container back to their correct position.

2.7.- Start-up
Once the tank is full or the hose is connected to the water supply system and the current tap is connected, close the door and the machine will start automatically.
2.8.- Load level labels of the hoppers

Some of the soluble products may require shorter reloading cycles in order to prevent its expiry, or the loss of properties. The machine incorporates "top-level labels" as an additional provision. These will inform the person responsible for the loading the product what is the maximum level of each hopper.

The image shows the maximum height they are to be placed on all the hoppers
CHAPTER 3. FILLING THE MACHINE

3.1.- Initial filling with soluble product

Open the machine door and lift the top cover of the machine in order to fill the hoppers. Lift the cover of the hopper to be filled and fill with product. Be careful that the product filled corresponds to product for that hopper (each hopper has a label that indicates the product to be filled).

Recommendation: The ramp on which the product falls from the hopper should be turned upwards to prevent unwanted product spillage.

Once the product has been filled, close the hopper cover and proceed to fill the next hopper.

Figure 4

3.2.- Filling with coffee beans

Remove the hopper cover and dump the content of the coffee package inside until the desired measure is reached.

If you prefer to take the hopper out of the machine in order to fill it more comfortably, remember that the hopper flow gate must be closed in order to prevent the content of the hopper from spilling (Fig. 4).

3.3.- Initial filling with water

All of the machines automatically fill the boiler when the machine is started. BEFORE CONNECTING THE MACHINE, ENSURE THAT THE MACHINE HAS A WATER SUPPLY FOR FILLING THE BOILER (check the connection to the water supply system or verify that the water tank is filled).

3.4.- Initial programming

The machine will be sent with the programming predefined by AZKOVEN. In order to modify any of the values of the functions, enter the basic menu (see chapter 4) and program the new functions.

Recommendation: It is a good idea to identify each machine in order to record accounting, consumption, incidents, etc. Function 470 is available to programme said code.

ATTENTION: THE ACTIONS DESCRIBED IN POINTS 3.3 AND 3.4 MUST BE PERFORMED WITH THE MACHINE “ON” AND THE DOOR OPEN. THEY MAY ONLY BE PERFORMED BY TECHNICAL PERSONNEL AUTHORISED BY AZKOVEN
CHAPTER 4. CONFIGURATION AND PROGRAMMING

4.1.- What is programming?
The machine is capable of performing a series of functions that you can configure. The programming is the actions that you establish in order to determine how the machine will operate in certain functions.

The machine is capable of performing a series of functions that you can configure. The programming is the actions that you establish in order to determine how the machine will operate in certain functions.

4.2.- Programming control unit
The keys of the programming control unit can be activated in two ways: by simply pressing the key once and by holding the key down for more than 3 seconds.

Operation of the programming control unit in the normal sales mode.

<table>
<thead>
<tr>
<th>SINGLE PRESS OF THE KEY</th>
<th>KEY HELD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key A</td>
<td>One free sale</td>
</tr>
<tr>
<td>Key B</td>
<td>Blender wash</td>
</tr>
<tr>
<td>Key C</td>
<td>Enters into the basic programming menu</td>
</tr>
<tr>
<td>Key D</td>
<td>Allows external programming</td>
</tr>
</tbody>
</table>

The operation of the programming control unit in accessing the functions

Press the C key of the programming keypad. If there have been incidents during service (breakdowns, empty hoppers, etc.), they will appear on-screen. Press the A key again to access the Functions menu (if there have been no incidents, pressing the C key once will suffice). The first function included in the function menus will appear.

<table>
<thead>
<tr>
<th>SIMPLE PRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Key A</td>
</tr>
<tr>
<td>Key B</td>
</tr>
<tr>
<td>Key C</td>
</tr>
<tr>
<td>Key D</td>
</tr>
</tbody>
</table>
Operation of the programming control unit in the programming mode.

There are four “editing modes” for communicating with the machine in order to program values in the functions.

<table>
<thead>
<tr>
<th><strong>Alfanumerical (AB1)</strong></th>
<th><strong>PRESSING THE KEY</strong></th>
<th><strong>SINGLE PRESS OF THE KEY</strong></th>
<th><strong>KEY HELD</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Key A</td>
<td>The digit being edited goes up one character in the table.</td>
<td>The character is validated, and it goes to editing the next digit.</td>
<td>The character being edited is not validated, and it exits from the editing mode.</td>
</tr>
<tr>
<td>Key B</td>
<td>The digit being edited goes down one character in the table.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Key C</td>
<td>Erase the digit being edited, and it returns to editing the previous digit.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Key D</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Numerical (001)</strong></th>
<th><strong>PRESSING THE KEY</strong></th>
<th><strong>KEY HELD</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Key A</td>
<td>Increases the digit being edited (if it is a sign, it changes)</td>
<td></td>
</tr>
<tr>
<td>Key B</td>
<td>Decreases the digit being edited (if it is a sign, it changes)</td>
<td></td>
</tr>
<tr>
<td>Key C</td>
<td>It returns to editing the previous digit (if it is the first number, it edits the sign, and if it is the sign, it exist and validates).</td>
<td></td>
</tr>
<tr>
<td>Key D</td>
<td>It advances to editing the next digit (if it is the first number, it edits the sign, and if it is the sign, it exist and validates).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Options List (ABC)</strong></th>
<th><strong>PRESSING THE KEY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Key A</td>
<td>The next option on the list is accessed (if it is the last option, it goes to the first).</td>
</tr>
<tr>
<td>Key B</td>
<td>The previous option on the list is accessed (if it is the first option, it goes to the last).</td>
</tr>
<tr>
<td>Key C</td>
<td>It goes up one execution level.</td>
</tr>
</tbody>
</table>

4.3.- Direct access to a function.

By keeping C pressed, the screen displays FUNCTION 000. Choose a function following the numerical editing method.

4.4.- List of functions

The following list details all of the programming functions of the machine in the order in which they are displayed on the machine, thereby indicating the message that will be displayed on the screen, a brief description of the function and a comment about how to operate with the function, if necessary.
The symbol of the editing mode that is used with the function is displayed next to each function. The symbols are the following:

- **EXE** Direct execution function.
- **ABC** Option list editing mode.
- **AB1** Alphanumeric editing mode.
- **PROP** Editing mode proper to the function
- **001** Numerical editing mode.

<table>
<thead>
<tr>
<th>Function</th>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>030 TEST MACHINE</td>
<td>ABC</td>
<td>MACHINE TEST BY OPTION LISTS. Choose the elements to test.</td>
</tr>
<tr>
<td>110 MONEY/SELECT</td>
<td>EXE</td>
<td>SALES BY SELECTION (CASH) Press the desired selection and the screen will display the amount of that selection. Press a new selection in order to continue reading the various amounts.</td>
</tr>
<tr>
<td>120 TOTAL MONEY</td>
<td>EXE</td>
<td>TOTAL AMOUNT OF SALES The requested data are displayed on screen.</td>
</tr>
<tr>
<td>201 PRICES PROGR</td>
<td>001</td>
<td>PRICES WITH COINS Press the selection and enter the new price. To program another selection, press the selection and repeat the steps. Press C to end.</td>
</tr>
<tr>
<td>204 SINGLE PRICE</td>
<td>001</td>
<td>SINGLE PRICE FOR ALL SELECTIONS Program a price. This price is assigned to all selections.</td>
</tr>
<tr>
<td>220 FREE SALE</td>
<td>ABC</td>
<td>FREE SALE Select to place the machine in free sale mode for more than one service.</td>
</tr>
<tr>
<td>300 SELECTIONS</td>
<td>ABC</td>
<td>SELECTION-SERVICE ASSOCIATION Select the name of the service to associate. Press the desired key where the service is going to be located.</td>
</tr>
<tr>
<td>315 SERV.PROGRAM</td>
<td>PROP</td>
<td>PROP SERVICE PROGRAMMING See point 4.5</td>
</tr>
<tr>
<td>420 ADVERT.MESS.</td>
<td>AB1</td>
<td>ADVERTISING MESSAGE</td>
</tr>
<tr>
<td>461 TEMPERATURE</td>
<td>001</td>
<td>BOILER TEMPERATURE Program the temperature of the boiler water.</td>
</tr>
<tr>
<td>465 AUTONOMY</td>
<td>ABC</td>
<td>STAND ALONE UNIT YES/NO Program whether the stand's stand-alone equipment is used or not.</td>
</tr>
<tr>
<td>490 HOPPER NAME</td>
<td>AB1</td>
<td>NAME OF THE HOPPERS Program the text assigned to each hopper.</td>
</tr>
<tr>
<td>491 SERV. NAME</td>
<td>AB1</td>
<td>NAME OF THE SERVICES Program the text assigned to each service.</td>
</tr>
<tr>
<td>510 DATE/TIME</td>
<td>001</td>
<td>ADJUST TIME AND DATE Program the date and then the time.</td>
</tr>
</tbody>
</table>
4.5.- Service programming.

4.5.1.- What is a service?
A service is the act that the machine performs every time that a customer presses a selection. When programming a service, each step that the machine needs to take to complete the selected operation must be programmed.
For example, to prepare instant coffee with milk, several actions must be performed:

1º - Pour hot water into the cup.
2º - Add coffee and stir.
3º - Add sugar.
4º - Add milk
5º - Mix.

It is also a good idea for the actions to overlap each other in order to shorten the service time and to get the optimum mixture.

The service sequence of coffee with milk in the machine could thus be stated as follows:

4.5.2.- Function 315 PROG. SERVICE.
The complete configuration of each service can be programmed at function 315.

Select the service to be programmed by pressing the corresponding selection button or using the A and B keys to locate the service.

The following may subsequently be performed:

- MODIFY an already-programmed step.
- ADD a new step to a service, or
- DELETE a step from a service.
If the option, **MODIFY A STEP**, is selected, the machine will display the CONFIGURATION SCREEN of the step:

![Configuration Screen]

Change the values using the programming control keys. The functions of the keys are as follows:

A or B - Go up or down the "steps"

C or D - Increase or decrease the amounts (move the bar forward or backward in the figure)
The water volumes are measured in seconds.

To Delete a step or to Create a new one, simply select the desired option using the B key and press D.

Also if the machine detects that a product has been programmed without water after a step has been recorded, you will be notified with a message. If there is an error, you will need to reprogram the step.

---

**WARNING!**

AFTER CHANGING THE COFFEE DOSAGE, OR AFTER ADJUSTING THE COFFEE GRIND, CHECK TO SEE IF THE SERVICES ARE CORRECT, INCLUDING THE "EXTRA COFFEE" PRESELECTION COMBINATIONS.

DO NOT EXCEED THE DOSAGE OF 8 GRAMS OF COFFEE IN THE SERVICES USING THIS PRESELECTION.
CHAPTER 5. ANOMALY CONTROL AND MAINTENANCE

5.1.- Reset
If the machine is out of service, enter and exit programming by pressing key C on the programming box twice.

5.2.- Possible incidents during a service.

- If the machine is without of coffee beans or if there is a problem with serving espresso coffee, the machine allows services of soluble product.
- Dregs tray is full. The water inlet is closed and the boiler is turned off until the machine is no longer in FDS (out of service)

5.3.- Service Meters
To facilitate maintenance, the machine is equipped with internal meters that will communicate the amount of services performed and any element that needs to be inspected.

The notification shall consist of an exclamation mark at the bottom left of the screen, similar to that shown when there is an incident. The machine can continue normal operation despite the notification.

The three meters are:
- LITRES X FILTER -> Indicates the amount of water that has passed through the filter since the last meter reset.
- ESPRESSO GROUP SERVICES -> Indicates the number of services performed by the espresso group since the last meter reset.
- FRESH BREW GROUP SERVICES-> Indicates the number of services performed by the fresh group since last meter reset.

The three meters are active, regardless of whether your machine can support different groups or not. If your machine does not include the Fresh Brew group the meter will logically remain at 0 and therefore the display will never prompt that element.

Enter programming and the display will show the affected element. Refer to the Technical manual to reset the meters.
5.4.- Disassembly of the coffee bean unit

Use the 030 function to place the group in standby.

In order to disassemble the complete lower unit, turn the anchor levers of the unit and remove the unit by pulling it outwards.

In order to remove the brewing piston,
1. Remove the fastening pin.
2. Pull up on the piston.
3. In order to completely disassemble the piston, remove the fastening clip.

5.5.- Adjustments and regulation

- Adjusting the coffee dosage. The grinder is time-controlled. The default dosage is 6.5 g
  Use the 315 function to change the grinding time and the dosage, adjusting the time of the desired services.

- Adjusting the grind point. The grinder leaves the factory regulated in the optimum grind position. If you want to change the degree of ground of the coffee, proceed as follows:
  - Machines with grinder M03. The grinder adjustment lever is located on top of the Group (M). Use it to adjust the degree of ground of the coffee you want. You can move one or two positions of the regulator with the grinder motor running, to avoid locking the wheels with the coffee
Adjusting the water temperature in the boiler. The machines are equipped with a single boiler, therefore the programmed temperature will be implemented in both the espresso services as well as in the services of other soluble products.

The manufacturer recommends a temperature between 88 °C and 92 °C. Use the 461 function to program the temperature values.

It is important to avoid that the water exceeds its point of boiling. In cities to the level of the sea the pressure is of 1 atmosphere and the temperature of boiling of the water is of 100 °C, however, as increases the height decreases the pressure atmospheric and decreases the temperature of boiling. Therefore, it is important verify this factor in cities to more than 1500mts on the level of the sea and avoid that the temperature of the water in the boiler exceeds the temperature of boiling.

Verify that the dosage is correct whenever an adjustment is made and perform a few coffee services to ensure proper operation.
CHAPTER 6. CLEANING THE MACHINE.

6.1.- Components that require regular cleaning

1. Sensor level of liquid wastes
2. Coffee grounds dregs tray (espresso machines only)
3. Liquid spill tray
4. To clean lift cup (by pressing B in the programming box and closing the door instantly of the machine with lift cup down)

Depending on the number of services that the machine provides, the machine components must be cleaned more or less regularly.

The following table details the recommended cleaning and frequency:
Once a week or every 700 services
- Clean the mixer (Press B in the programming unit).
- To clean lift cup (by pressing B in the programming box and closing the door instantly of the machine with lift cup down).
- Clean the surface of the mixer area.
- Clean the drip tray, it is located at the back of the door.
- Clean the services compartment.
- Empty the waste tray of coffee beans.
- Remove the product hoppers and clean the base of the area.
- Clean the front of the machine after performing the operations.

Once a month or every 5,000 services
- Remove the mixer blades and the nozzle support. Wash with hot water.
- Clean intake manifolds.
- Remove the product hoppers and clean the base of the area.
- Remove the cups container and check to see if there is sugar build up (espresso machines).

Once a year or every 25,000 services
- Perform all of the above.
- Change the coffee filter of the group (see 5.4).
- Wash the filter using the Cleaning Cycle (see 6.2), or retreat to thoroughly clean with detergent.

Once every 4 years or every 20,000 services
- Check the wheels of the grinder and replace if necessary. This task can only be accomplished qualified personnel.

For use in USA
Food contact parts must be washed with detergent, rinsed with clean water, and sanitized with an approved sanitizer and air dried in accordance with the FDA FOOD Code. We recommend STERA SHEEN, approved by NSF sanitizer.

6.2.- Cleaning cycle for the group brewing chamber
For hygiene reasons, this process should be performed at least once every three months in order to eliminate coffee particles from the brewing chamber, or 10,000 services.
Use special detergent tablets for super-automatic coffee machines. There are tablets weighing 2 to 3 g available on the market.

Before starting this operation
that the dregs tray is fitted on the machine, as liquids will fall in it.
You also need a cleaning tablet ready for use.
Once the machine starts the cleaning cycle, it cannot be stopped. If you want to stop the cycle for any reason, you must switch the machine off and turn it back on again. When the cleaning cycle has finished, the machine will resume normal service.

To run the cleaning cycle:

For correct cleaning, you should remove the brewing piston and clean the upper filter with cleaning paper or a brush to eliminate any particles which may remain on the filter. To dismantle the piston, follow the instructions in 5.4.

6.3.- Exterior cleaning

**Do not use a spray!** Use warm water (between 20º C and 40º C) and any of the following products: dishwasher detergent, neutral shampoo for hair or glass cleaner without alcohol.

**Rinse** with an aqueous solution of vinegar (acetic acid) at a 2% concentration and **dry** with a soft cloth or chamois.

In the event of persistent stains (grease, beverages, etc.), use a solution of water and sanitary alcohol (96º ethanol) at a 1% concentration.