

# Installation and maintenance guide

## Coffeemar 546G



### Contents:

- Characteristics and machine Layout
- Installation review
- Programming mode
- Function of the buttons on programming mode
- Water input
- Machine start up
- Product Loading
- Programming options
- Changing settings for products and prices
- Faults checking
- Washing the water circuit
- Draining the water circuit
- Coin mech start and review
- Recommended minimum cleaning



Read the safety instructions at page 19 of this manual before starting working on the machine.



**Jofemar**

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# Characteristics and layout of the machine:

6 [ HV: + UK x Wide x Deep

[ PP μ [ μ [ μ

: HUK: 140 Kg. - 308 lb

( 0IFWIEV:

3 RZ HUXSS0 9\$ & R9\$ &

9 HUL VHU URXOGFROCHFWROV/SURSHU

EHTRUHWUOQJ ROKHP DFKLCH

& RLO\$ FFHSWDOFH

& RLO\$ HFK - Z LUKUHXOGMEHV

for five different coin values and fraud

SURRI VHFUXUV P HDVXUH

& DSDFLW

Coffee beans	3570 gr. - 7.854 lb
3 RZ GHUGO LON	2450 gr. - 5.39 lb
& KRFRDM	2000 gr. - 4.4 lb
6 XJDU	3400 gr. - 7.48 lb
Instant coffee	720 gr. - 1.548 lb
7 HDDOGKHUEDO	1500 gr. - 2.2 lb
' UON	
& XSVDOG6 WUHU/	500
3 UHWXUMHGERLOU	370 ml. - 0.6 pt

Options:

LOHDGHU

DUGHDGHU

HOP HM P RGHP

DMVRIWCHU

- Flavour filter

DMVHOIHGQJ NQCHRUR

WHVONV

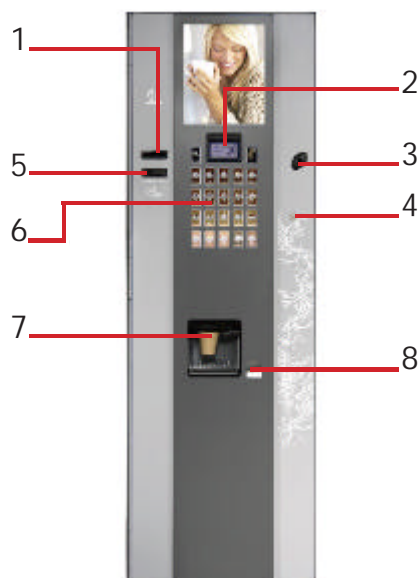
- Satellite vending unit

7 KHP DFKLCHVHMS LP DGHVRFUHFV

Z RUNOGRRU/LODOP EHQV

WMP SHUDMUHEHV HHQ & VR| &

) \ ?



XXXXXXXXXXXX X XXXXX

SWRODO Bill validator entry

2.- Graphic Display

3.- & RLOVHOM

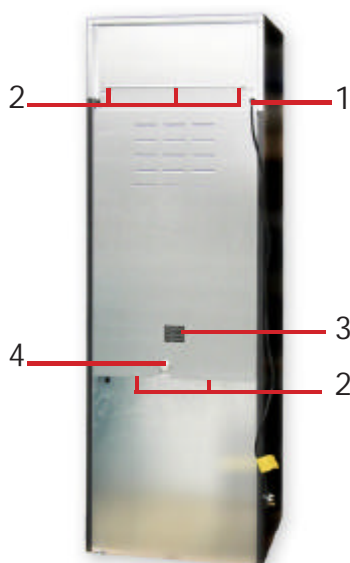
RRQFN

2 SWROD & DUGV. H VUHDGHUHQV

6.- 6 HDIFWRODOGUHXOGEXWROV

7.- Product collection output

8.- Refund output



X XXXXX XXX

0IFWEDSOX RXSXW

2.- Back component access screws

3.- Steam output

DMUOSXW

## Interior of the machine



- 1.- Main Power switch
- 2.- Coffee beans canisters
- 3.- Instant products canisters
- 4.- Cups columns
- 5.- Coin mechanism compartment
- 6.- Coffee beans dose unit
- 7.- Coffee beans brewing unit

- 8.- Instant products mixer
- 9.- Instant products mixer
- 10.- Coffee beans Brewer
- 11.- Product collection tray
- 12.- Coin box
- 13.- Wastes bag position
- 14.- Spilled liquids deposit
- 15.- Optional water deposits space

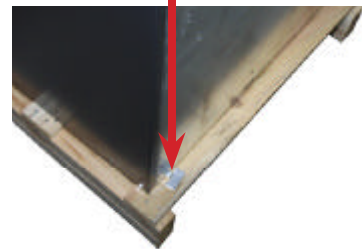
# Installation steps resume:

XXXXXXXXXX XXXXXX XXXXXX X XXXXX:

1.- Near the final location **unpack** the machine, carefully remove it from the pallet, due the machine weigh and height is recommended to perform this operation between two persons.



XXXX XXX XXX X XXXXXX XXXX  
 XXXXXX XXX XXX XXXX XXXX  
 XXXXXX XXX XXXXXX XXXX XXX  
 XXXX



2.- Level the machine, using the front adjustable paws we will be able to leave the machine levelled and **without the wheels touching the floor** so it can not be moved pushing.



XXXXXXXXXX XXX  
 X XXXXXX XXX  
 X XXXXXX XXXX X  
 XXXXXX XXX XXXX  
 XXXXXX XXXX XXX



3.- Connect the machine to the water mains or install the self feeding kit.

4.- Fill cups and stirrers.

5.- **Push the machine to its final position** and check is levelled, plug the machine to the electric main.



6.- Place the wastes bag and make sure the wasted water deposit is on place, the wasted water pipe enters the deposit and the level float hang inside it.

XXXXXXXXXX XXXXXX  
 XXXX XXXXXX X  
 XXXXXX XXXXXX  
 XXX XXXXXX XXXX !  
 XXX XXXXX XXX

XXXX XXX XXX XXXXXX  
 XXXXXX

XXXXXXXX XXX XXXXXX  
 XXX XXXXXX XXX X XXX  
 XXX XXX

7- Turn on the machine so the **water circuit starts filling up**.

8.- Fill the products canisters.



9.- Place the product labels on the buttons.

10.- Program the prices

XXXXXXXX XXX X XXXXXX XXX

11.- Insert change in the coin mechanism.

XXXXXXXX XXXXXX  
 XXXXXX

XXXXXXXX XXX XXXXXX  
 XXXXXX

12.- If necessary change product labels and doses adjustments.



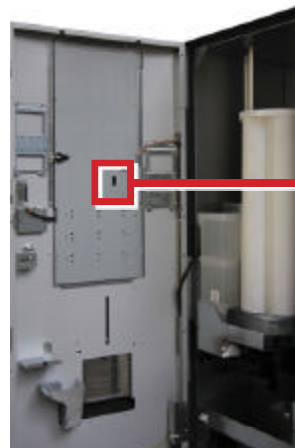
XXXXXXXX XXXXXX XXXXXX XXX  
 XXXXXX XXXXXX XXXXXX XXXX  
 XXXXXX X XXX X XXX

13.- Wash the water circuit before leaving the machine working.

# Programming mode:

## Elements of the programming system:

- 1.- Programming button  
Press this button to get into the programming mode.
- 2.- Display  
This element allows you to visualise the programming option that the machine is in and its status
- 3.- Front buttons, once on programming mode using these buttons we will move among the options and we will use them to edit the settings.

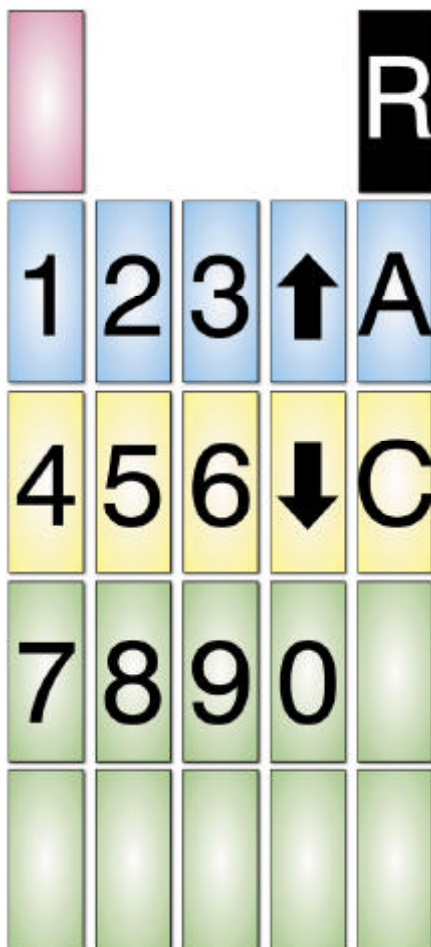




Detail of the programming button on the interior of the door


In the programming mode, the display will display the different options






## Button functions on programming mode:



  Scroll among the programming options.

 Enter the option, edit its value or enter its sub-menu.

 Exit the menu or sub-menu, cancel the editing of an option.

 /  Numeric inserting of data.



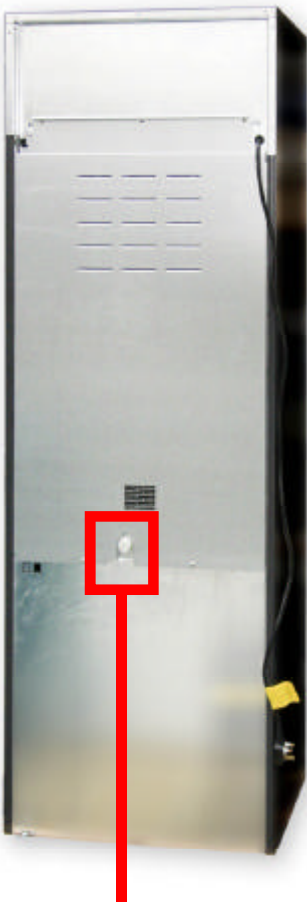
# Connecting the machine to the water mains:

Perform this operation with the machine off.

At the back of the machine we will find the water entry connection, this female, so on the water main we will need the correct male of this same measure.

**Water mains specifications:**

- Make sure the water is drinkable
- Pressure: 0,05 - 1 Mpa, on case the pressure is lower it will be needed to install a support bomb, if the pressure is higher a pressure reducer will be needed.
- Minimal internal diameter of the water tube: 6 mm
- There are available filters for lime and odour, these filters improve the water quality and therefore the coffee, also increasing the machine working life as they avoid impurities on the water circuit.



Water inlet at the back of the machine.

Once the connection is properly made it will be necessary to open it so the water enters the machine.

XXXXXXXXXXXX

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☒☒☒☒☒☒☒☒☒☒☒☒ ☒☒ ☒☒☒ ☒☒☒☒☒	☒☒☒
Minimum internal diameter on the water main tube	6 mm

# If there is not an available water main, assembling the self feeding water tank

Perform this operation with the machine off..

To access the pump unit position unscrew the back cover plate, or access by the front removing all components till you have access to the water pump position.

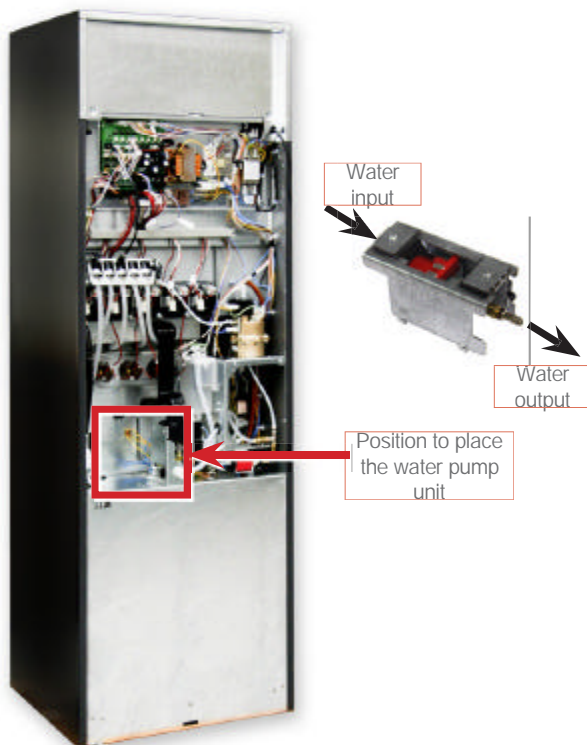
Place the water pump unit, remove the entrance and back cover cups of the pump if necessary, place it the grooves.

Disconnect the electro-valve connectors and connect them on the free terminals of the water pump.

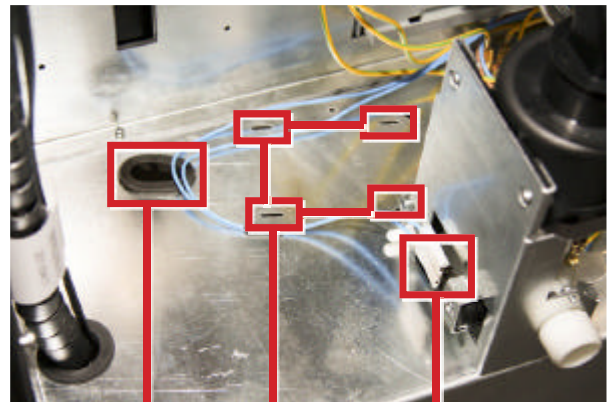
Remove the water tube from the machine electro-valve and connect it on the output of the water pump.

Place the water deposit on the machine base, pass the water tube from the base to the pump area and connect it to the pump water entry.

Fill the water deposit.



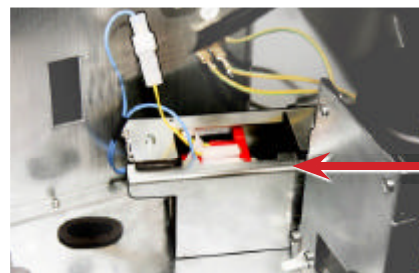
Further details of the self feeding kit are included on the very same kit



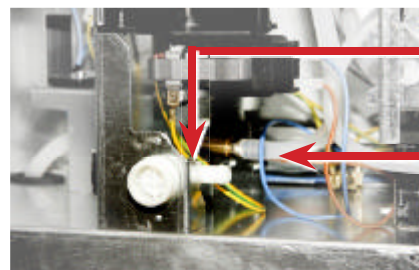
Space to pass the tube from the water deposit to the water pump.

Grooves to place the water pump unit.

Electrical connectors of the machine electro-valve, to be disconnected and connected on the pump.



Pump unit placed on the grooves and with the electrical terminals connected.

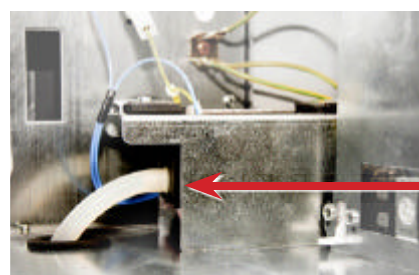


Remove the water output from the electro-valve.

Connect the tube to the pump water output.



Place on the machine base the water deposits, carry the tube from the water deposit to the pump area.



Connect the tube on the pump input

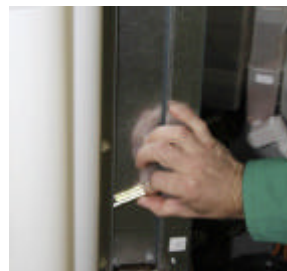
## Fill cups and stirrers

Perform this operation with the machine off..

Insert the cups on the door roulette by the top.

Remove the weight from the stirrers column, place the stirrers and place back the weight on top of them.

The machine can be adapted to several cups and stirrers sizes, check with your Jofemar provider on case you have doubts about one indicating the length of the cup and its diameter just beneath the top ring.



XXXX XX XXX XXXXX XX  
XXXX XX XXXXXXXXXX  
XX XX XXXXX XXXXX X  
XXXX XX XXXXX XX XXXX  
XX XXXXX X

XXXX XX XXX XXXXX XX  
XXXX XX XXXXXXXXXX  
XX XX XXXXX XXXXX X  
XXXX XX XXXXX XX XXXX  
XX XXXXX X



XX XXX XX XXXXX  
XXXXXXXXXXXXXX XX  
XXXXXXXXXXXXXX XX XXXX  
XXXX XX XXXXX XXXXX X  
XXXXXXXXXXXXXX XX XX  
XXXX XX XXXXXXXXX XX  
XX XXXXX

## Check the position of the wasted liquids deposit

On the machine base we will verify the wasted liquids deposit its on place and the pipe for wasted water enter the deposit.

We will also check the level detection float is inside the deposit and if we hold it in our hand the micro switch is activated.



Wasted liquids deposit, the wasted water pipe and the level detection float must be inside it.

## Turn on the machine

So the water circuit start to get fill turn on the machine using the on/off switch, this way the water will start filling the boiler and will start heating the machine.



On/off switch

XXXXXXXXXX



## Fill product canisters

The canister are filled dropping the products by its top. Each canister is labelled with the correct product to dispense depending on how the machine has been set.

Coffee beans canister has a moving led, we will need to release it so the beans can fall to the brewing unit.

Sugar canister is placed behind the cups/ stirrers unit



XXXXXXXX XXXXXXXX  
XXXXXXXXXX XXXX XX  
XX XXXXX XXXXXXXX  
X XXX XXXX XXX XXXXX  
XXXX XX XXXXXXXXXXXX  
XXXXXXXXXXXX X XXXXXXXX

## Place the waste bag

At the machine base we will find a funnel with a metal ring.

Moving it up we will be able to extract it from its position.

Pressing the ring sides we will be able to remove it from the funnel.

Once out we will place the wastes bag opening inside the ring

Then we will insert the funnel inside the opening of the wastes bag and the ring on its original position.

Place back the funnel on the machine now with the wastes bag hanging.



XXXXXXXX XXXX  
XXXXXXXXXX XXX XX  
X XXXXXXXX XXX  
X XXXXX XXX



XXXX XXXX  
XXXXXXXX XX  
XXXX XXXX  
XXXX XXXX  
XXXX XXXX  
XXXX XXXX  
XXXX



## Place the products labels

Access the internal part of the buttons using the latch of its cover.

Insert the labels by the top part of each button.

If there is any doubt we are placing the correct label press the button on vend mode and the machine will inform you of the product linked to it.

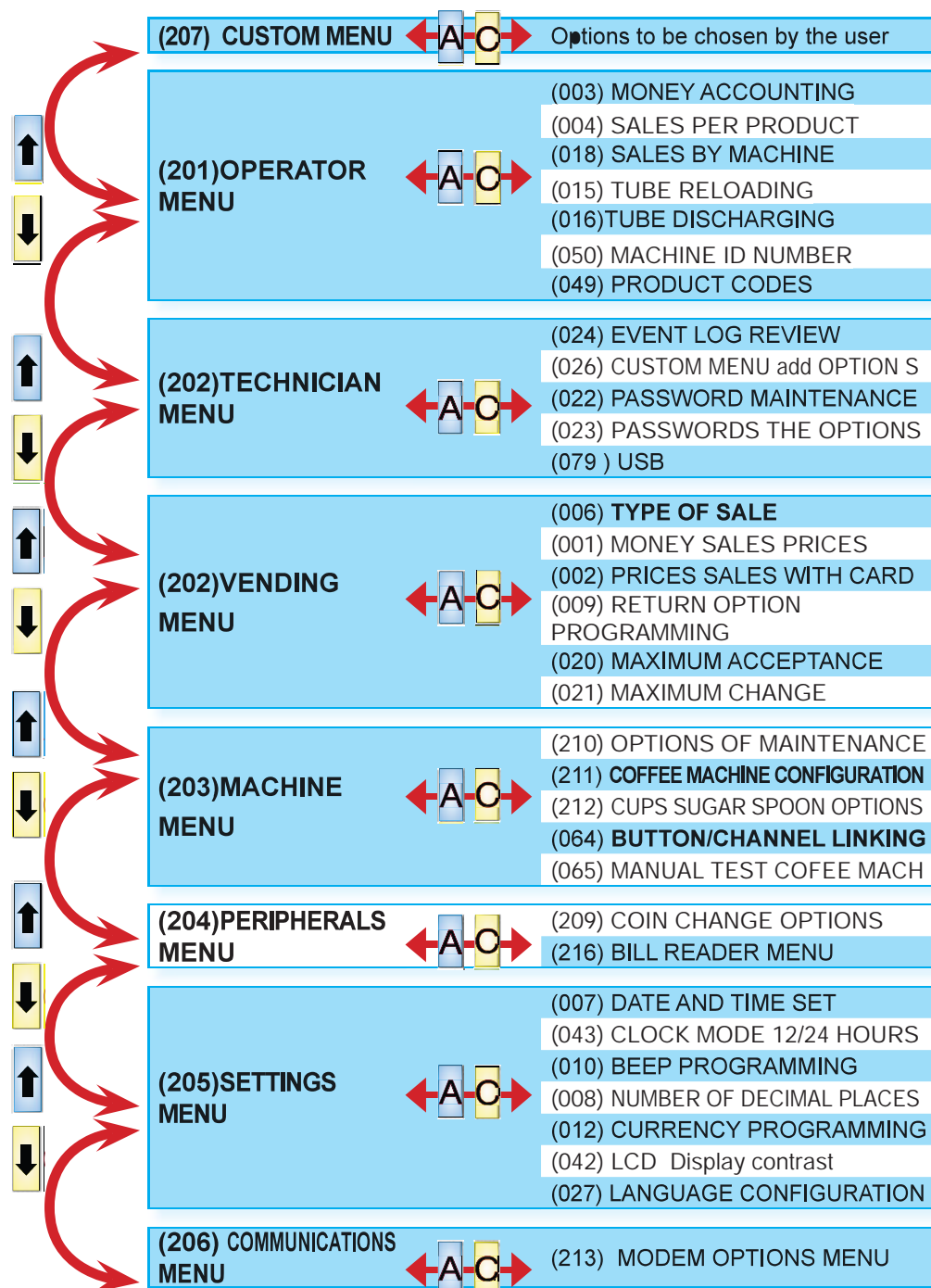


XXXXX X  
XXXXXXXX XX  
XXXX XXXX X  
XX XXXXXXXX



# Programming map:

## MAIN MENU:



## Language selection: (Spanish by default)

Scroll through the programming options until you

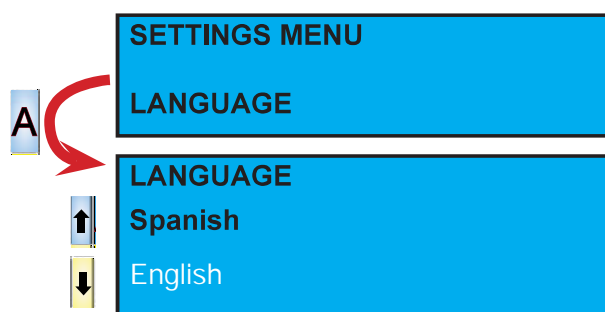
UHFK RSMRQ 6( 77,1\* 6 0 ( 18µDOGSUHW **A**

6 FURQURXJK WHRSVRQXOMD \$1\* 8\$\* ( &2 1),\* 8 5\$7,2 1 µDOGSUHW **A**

Scroll the languages until reaching the correct one and press **A** to confirm.

7KHODP HRI WHSURGXFW Z RQVH

changed, to change these names you will need to inject a doses file set on the correct language or edit the name of the product. (Machine Menu>Cups Sugar Spoon and product name)



## Set the clock:

Scroll through the programming options until you reach **SETTINGS MENU**µ and press **A**

Scroll through the options until **DATE AND TIME SET**µ and press **A**

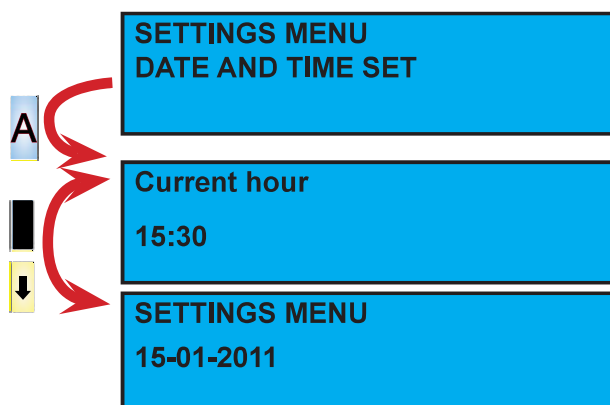
Using buttons **↑↓** we will change among changing the date or changing the hour.

Pressing **A** we will change to edit mode for date or hour.

With buttons **←→** we will move among the digits .

With buttons **↑↓** we will edit the selected digit.

Once the date or the hour is correct pressing **A** the data will be recorded.



## Pricing the selections:

Scroll through the programming options  
 XOM (1' ,1\* 0 (18' HOMDGVHOFW  
 35,&(6)25 9(1' : ,7+ 021( and  
 press **A**

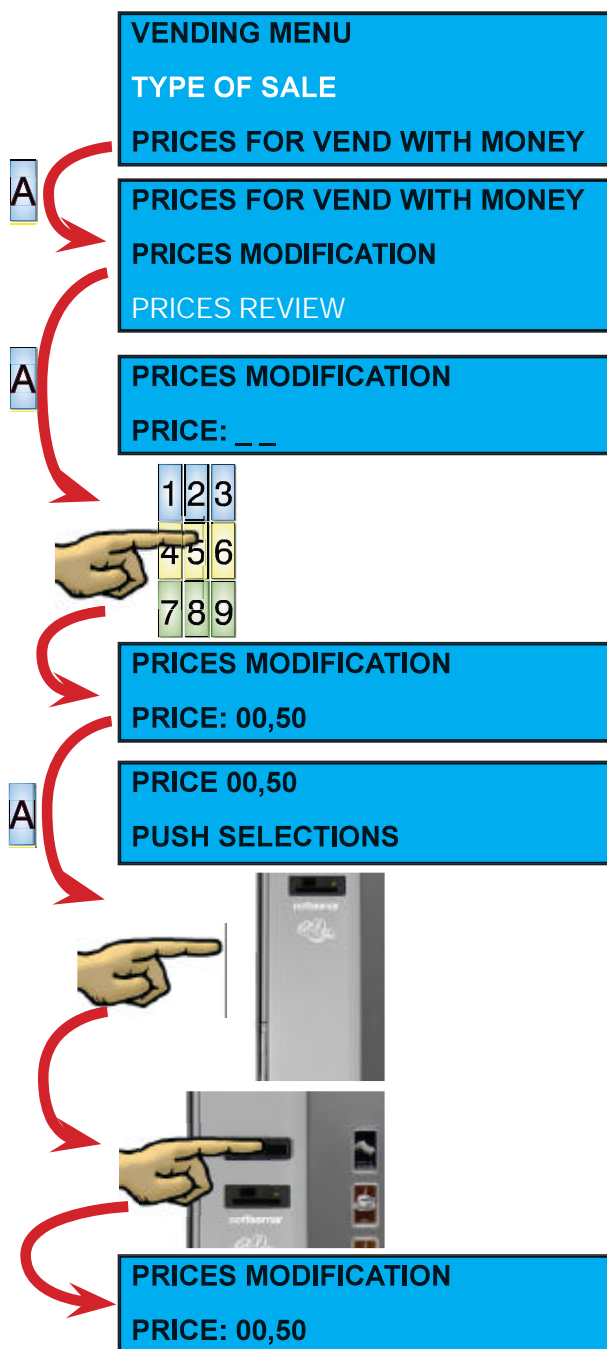
6FURXJKWHRVRO/XOM 5,&(6  
 02' ,),&\$7,21' DGSUHW **A**

At this point we will be asked to enter a price, we'll do that using the key pad as numeric, when we have the desired price press **A**.

\$WVSRLOWHP DFKICHZ HONXVR  
 386+ 6(/(&7,216' ZHZLSUHWDO  
 the buttons which needs to vend under  
 the price entered before.

Once we have pressed all the buttons with the same price press **A** to record it.

At this moment the display will ask us to introduce a new price, we can follow the same process to establish a new price for certain selections or we can exit the option pressing **d**



## Review and reset faults on the machine:

Whenever the machine door is opened if the machine has any type of error on a component it will be shown on display and the red led will blink.

At this moment we can proceed to erase it entering programming mode



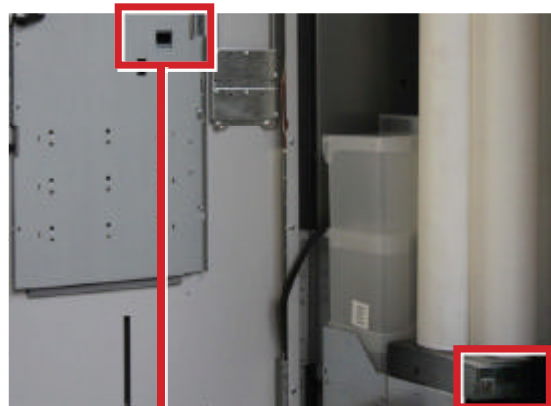
## Washing the water circuit

Press the programming button on the machine door back.

Press the cups extraction button on cups roulette base.

On this moment the pump will start working and water will flow by all the machines electro-valves cleaning this way all the water circuit.

Its recommended to perform this operation at least 5 times the first time the machine is placed



XXXXXXXXXX XX XX  
XXXXXXXXXX XX XXXX XX  
cleaning press first  
XXXX XXXXXX

XXXXXXXXXXXXXXXXXXXX  
XXXX XX XXXXXXXX XX  
XXXXXXXXXX XX XXXX XXXXXX  
XXXXXXXXXX XX XXXXXXXX XX  
XXXXXXXXXX XX XXXXXX

## Draining the water circuit

The machine comes out of factory with its water circuit empty, if the machine is transported or stored is convenient to drain the water circuit to avoid water inside the machine getting frozen.

The water circuit will be drain in two points:

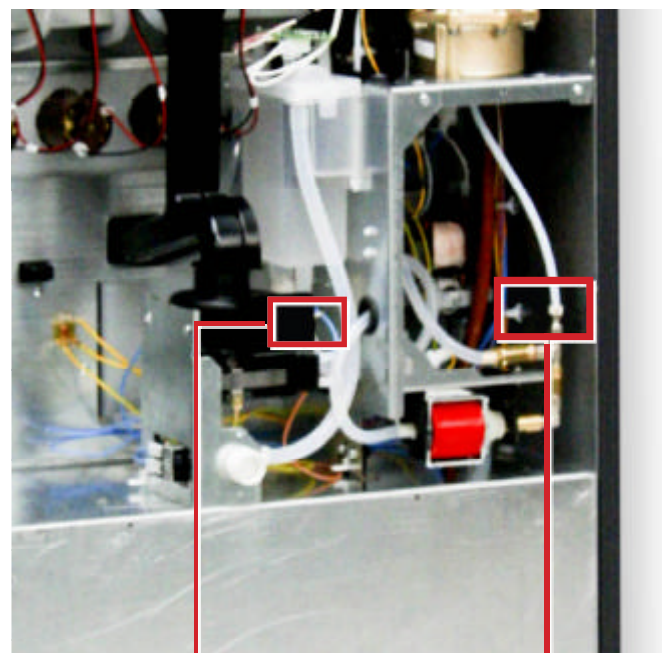
AirBreak, just releasing the metal clip from the tube which is on its base the water will go to the spilled liquids deposit.

Boiler, unscrew the lower join from the tube which comes from the boiler lower part. Its recommended to place some deposit for the water of the boiler. To finish the drain it will be necessary to enter into programming:

Scroll through the programming options until 30 \$&+,1( 0( 18 and press A

6FURXJKWHSVQ/XOM \$18\$/  
7(67 &2))(( 0 \$&+,1( DOGSUHA

A list of all machine elements will appear, ROMHDSDFHIV³: DMERLQUDQ press A.



XXXXXXXXXX XXXX  
X XXXXXXXX XX XX  
XX XXXXXXXX

XXXXXXXXXX XXXX  
XX X XXXXXXXX  
XX XX XX XXXXXXXX  
XXXXXXXXXX XX X XXXXXXXX  
XXXXXXXXXX XX XX XX  
XX XXXXX

# Change the product linked to a button:

Scroll through the programming options  
 XOMD \$&+,1( 0(18uHOMDGVHDFW  
 %877216 &+\$11(/ /,1.,1\* and  
 press **A**

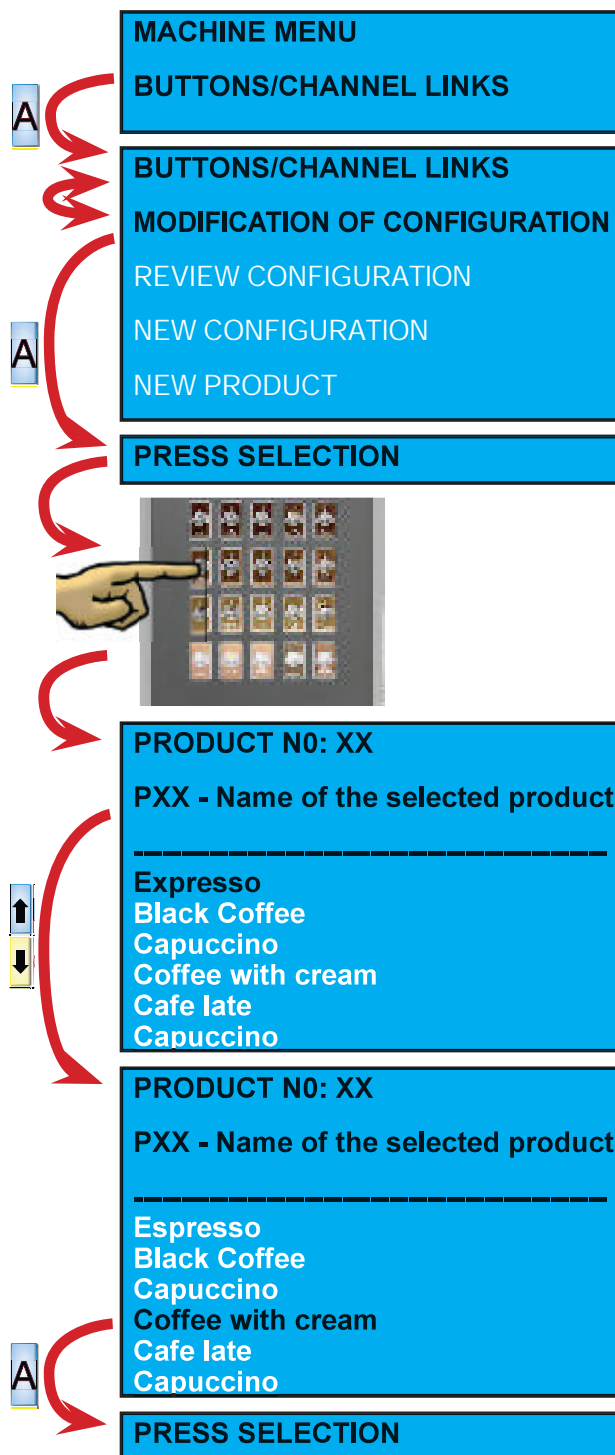
Scroll through the options until  
 '02' .),.&\$7.21 2) &21),.\*85\$7.21  
 and press **A**

At this point we will be asked to press  
 a selection, we will press the button to  
 which we want to assign a new product

The display will show the selection  
 statistical number, the channels with  
 that very same product and the name  
 of the product, beneath this information  
 the display will show the list of available  
 products, using **↑↓** we can select a new  
 product to be link to that button, pressing  
**A** the product will be recorded.

After every product is linked we will be  
 ask to press another selection to change  
 its product linked.

To exit this option press again **P**



Product N0 is the statistical number of that  
 product  
 P is the buttons linked to that selection

# Modify a product dosage

Scroll through the programming options  
XOMRX UHDFK '0 \$&+,1( 0 ( 18µDOG  
press **A**

Scroll through the options until  
'6(/(&7,21 ' 26( '\$' -8670 ( 17µand  
press **A**

The list of available products will be shown on display, using **↑↓** we can scroll among them, pressing **A** we will enter to modify the selected product dosage.

The first menu will give us opportunity to enter to modify the dosage of the different elements composing the product (the different instant powders or espresso coffee), test the product, exit without saving changes or exit saving the changes, using **↑↓** we can move among the options and pressing **A** we select the option, to enter the product dosage select the element to be modified.

The doses changes menu will give us the following options to be modified:

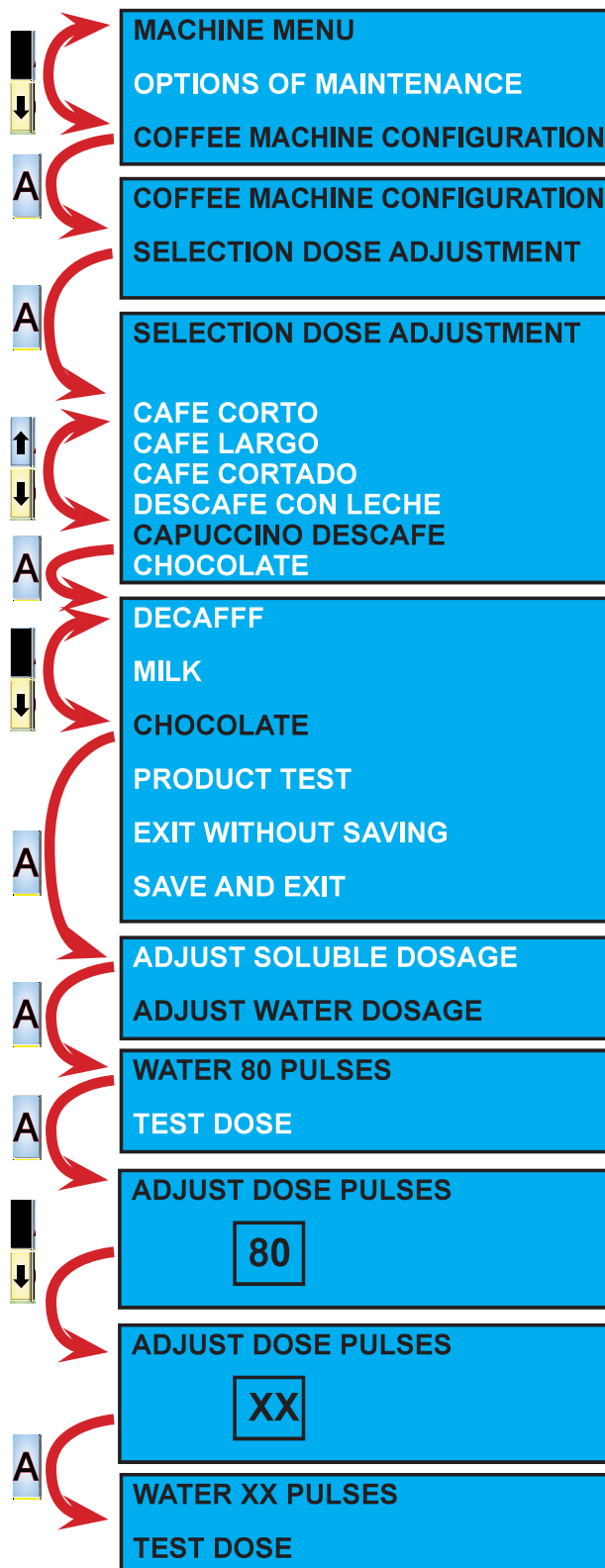
- Adjust water dosage
- Adjust instant product dosage (this is not shown on espresso coffee)

With **↑↓** we will select the element to modify and pressing **A** we will be able to enter it.

The modifying menu will show us the number of programmed pulses for the water (pulses given by the volumetric counter) or the turns programmed for the product canister spring.

Using **↑↓** we will be able to modify them, when we have set the desired data we press **A**, this will return us to the previous screen, and test the product or go back to select another device.

When we have made all the changes  
VHDFW ; ,7 6\$9,1 \* &+\$1 \* ( 6µ



# Load of the coin changer:

## First load of the coin changer J-2000:

If the tubes of the coin changer are totally empty, do the first initial load:

Press once button 1 of the coin changer to get to option 25 and insert coins in this order(\*)

- Three coins for tube 2
- Three coins for tube 3
- Three coins for tube 4
- Three coins for tube 1
- Three coins for tube 5

### Important notes:

- Every time you introduce three coins for one tube, the slide will move: Wait until it stops and then proceed with the next tube.

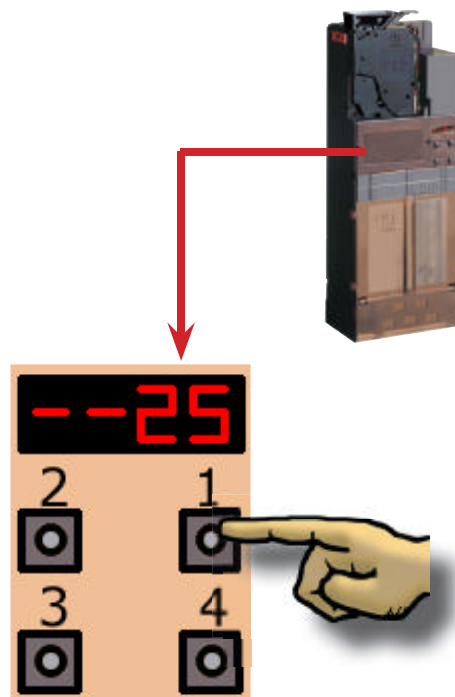
- The coin changer will get out of programming mode after the last coin is inserted. If this happens without completing the first initial reload, go back to option 25 and finish the reload.

2 QFH\ RX·YHGRQHWHILWGD\ RX P D  
reload the tubes in any order.

### After reloads through the machine (recommended):

6 FURON RSWRO´µRI WHP DFKLOH  
SURJUDP LOJ´5HGDGRI &KDQJH7XEHM  
and insert coins in any order

Pressing buttons 1 to 5 will show you the value of the coin and how many coins there are in that tube.



Insert three coins in the correct order to each tube

Reloading of  
change tubes



(\*) The combination of change of the coin changer and order of the first load you may consulted in the manual of the coin changer J-2000.



# Checking and resetting faults on the coin mechanism

## Functioning of the coin changer programming:

Button 1:

To go into programming mode and scroll through the options

Button 2:

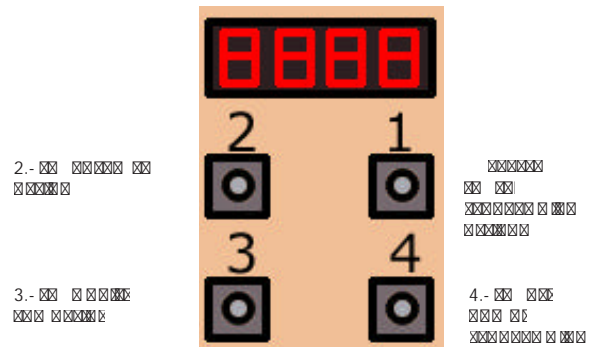
To get into a specific option and go through its different fields.

Button 3:

To consult that option or modify the data of that option.

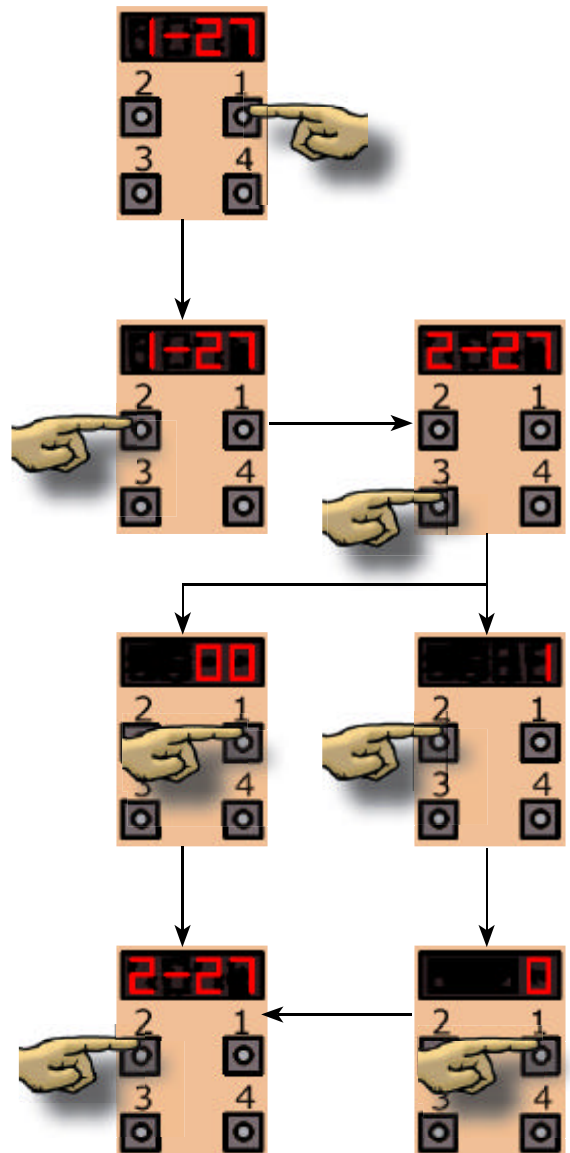
Button 4:

To get out of the programming



## Checking and resetting faults:

- 1.- Press button 1 until you get to option 27
- 2.- Press button 2 to see all the fields of option 27
- 3.- On each field press button 3
- 4.- In case another number different than 0 appears on the display of the coin changer, it will be necessary to press button 2 to reset the faults
- 5.- To get back into the field that you were in before press button 3, press button 1 and continue with the checking



## Recommended cleaning:

Turn off the machine before for cleaning.

Clean daily or very frequently with an  
slightly wet cloth:

- Product canisters chutes
- Product collection trays
- Product wipers (disassemble them from its position to do the cleaning more easy)
- Cups and stirrers chutes

Make sure all these components are completely dry before turning on the machine.

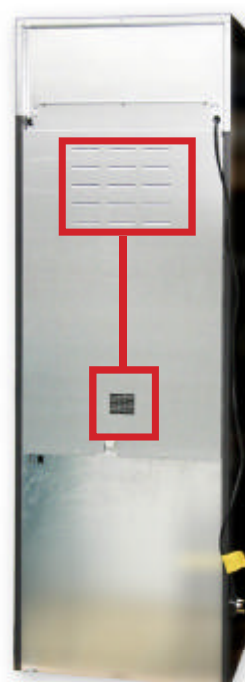
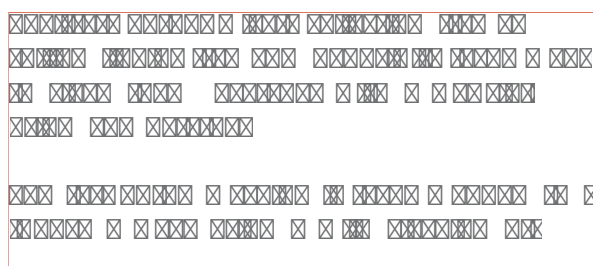
Clean the rest of the machine weekly using a non abrasive detergent diluted on water.

Always review the steam output and the ventilation grid at the machine back P D N O J V X U H W K U H I V O D A H O P H O A obstructing these.

For the cleaning of machine parts in contact with food it is required the use of chlorinated products based in linear alkybenzene sulfonate (LAS) and Branched Chain Sulfonate (ABS). Several cleaning products contains this composition, check its label to make sure it accomplish this specification.

Do not clean the machine with a water jet.

**On general taking care of our machines and maintain them clean enlarges its working life and obtains higher fidelity from the customers.**



# WARNING!

Read the following instructions carefully before installing the unit:

- ◇ Take the machine down from the pallet and remove the metal chucks to place it on the floor before opening and removing the packaging.
- ◇ When discarding packaging material or an old machine, please consult about recycling.
- ◇ Before connecting to mains, make sure that the power supply characteristics coincide with those of the machine.
- ◇ The power cable plug should be installed so the machine can be easily disconnected from mains.
- ◇ If the power cable is damaged, it should be replaced by the manufacturer or after sales service or similar qualified personnel to prevent hazards.
- ◇ Place a rubber protection around the power cable in the slot of the lid of the cable winding recess.
- ◇ Do not burn or throw away the battery. Batteries should be disposed of in accordance with local laws and regulations and can be recycled.
- ◇ Protect the machine against humidity, dust, dirt, etc. You should particularly avoid any obstruction of the ventilation grilles.
- ◇ Do not clean the machine with concentrated products as they may attack the paint and alter the colour.
- ◇ Frequent cleaning, can prevent breakdowns and extend the machine's life.
- ◇ The machine should be installed in a vertical position, both laterally and back to front, with a P D I P X P I C O D M R O R I a ?
- ◇ The machine can be used by children over 8 years old and by people with reduced physical, sensitive or mental capabilities or with the lack of experience or knowledge, if the proper supervision or instructions regarding the proper use of the machine has been provided and understand the hazards involved. Children must not play with the device. The cleaning and maintenance to be done by the user must not be done by unsupervised children.
- ◇ Access to servicing area should only be permitted to persons with a knowledge of and practical experience in the machine, particularly with regard to health and safety.
- ◇ Do not reuse pipes or tubes, always use the ones from the machines or the ones which comes with the self-feeding kits.
- ◇ As this device can be optionally connected to the water supply network, the accessories used to do so must fulfil the legal requirements of the country where it is placed.
- ◇ If you need to replace the power supply cable, please replace it with the appropriate one for your country:

Argentina, Jofemar code 5500014.  
Australia, Jofemar code 5500006.  
Spain (STANDARD), Jofemar code 5500000.  
UK, Jofemar code 5500011.  
Switzerland, Jofemar code 5500004.  
USA, Jofemar code 5500010.

# Programming resume

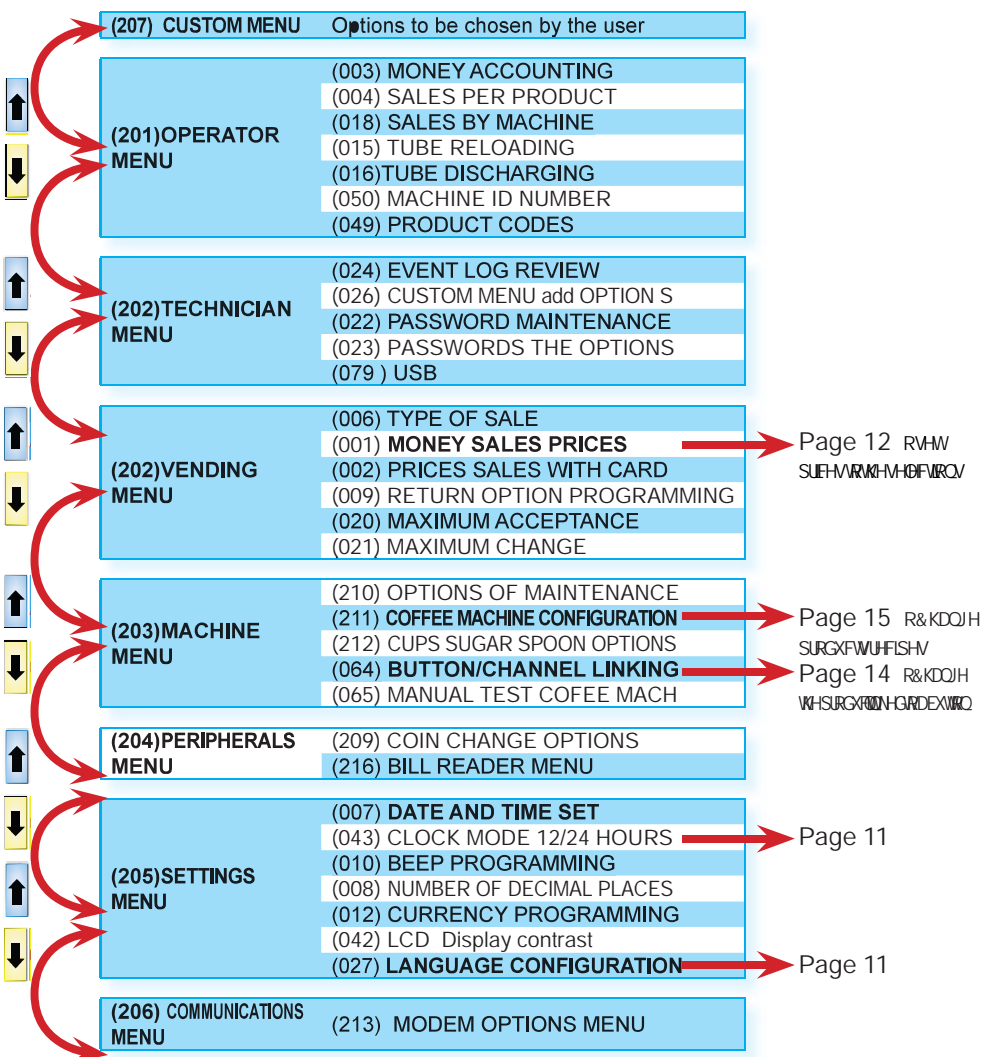


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- Scroll among the programming options.
- Enter the option, edit its value or enter its sub-menu.
- Exit the menu or sub-menu, cancel the editing of an option.
- Numeric inserting of data.

## MAIN MENU:



**Jofemar**

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