# Preface

Please read this user manual before using the Essence coffee machine and keep it for reference. This user manual is valid for the machine supplied by the manufacturer, including the options installed by the manufacturer. The manufacturer accepts no liability for any damage resulting from incorrect or improper use of the machine, or resulting from modifications that have not been authorised by the manufacturer. This user manual gives instructions on the operation and maintenance of the machine. Moreover, it gives solutions to irregular behaviour that may occur.

This user manual cannot be regarded as a substitute to the training and instruction, but must be seen as an addition to the training, and as such only used for reference purposes. Activities for which proper training is required are marked and should only be carried out by trained staff. Instructions for installation and reparation are available in a technical manual. When the machine needs maintenance only original parts of the manufacturer should be used. Only properly trained personnel may carry out repairs, install the machines or transport the machines.



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### 1. Safety

### 1.1 Safety risks

- Be careful! This machine serves hot drinks.
- The outlet of the machine may tap drops of hot liquid in between ordering drinks.

## 1.2 Safety and warnings

- Put the brewer outlet down during daily maintenance (see 5.1, step 4)
- Do not use aggressive cleaning products or abrasives to clean (parts of) the machine.
- Be careful! The water system (boiler, pipes, etc.) may contain hot water.
- Do not shake the machine while in use.
- Do not use water in or near the machine unless the instructions explicitly give direction to do so.
- Do not use a damaged machine. If in doubt, contact your supplier first.
- Do not leave the key in the door when leaving the machine unattended.
- If a fault occurs, disconnect the machine from the electricity supply and from the water supply.
- Do not lean on the door when open.
- Do not use an extension cable.

- Connection on the water supply must be according to national regulations.
- The machine may only be in locations where it can be overseen by trained personnel.

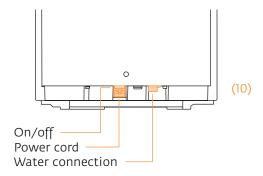
#### 1.3 Norms and standards

The machine is built according to CE norms and complies with the following standards:

- Machine standard: 89/392/EEG.
- EMC standard: 89/336/EEG.

The machine complies with the following norms:

- EN 292: Safety of machines.
- UL and Cul 751: norm vending machines.



### 2 Description of the machine

#### 2.1 General

This is a semi-automatic hot drink machine, with (optional) vending accessories. Always place a cup before pressing a drink selection key. You can adjust for weaker or stronger taste with the up/down scroll keys (3). Your supplier can make further adjustments to the strength and sizes of the drinks.

# **2.2** The machine exterior and interior See fold out.

### 2.3 Display and keys

## 2.3.1 Drink selection keys

There are five drink selection keys (4). The left part of the water key gives one cup of hot water, the smaller right part on the water key gives hot water continuously. Optionally this key will give steam.



Two cups of espresso or double espresso



Large coffee



Hot water or steam while key pressed

### 2.3.2 Display and service keys

The display (2) shows the selected drink, strength settings, messages and counter read outs. The up/down scroll keys (3) allow to adjust the strength. The '<' escape and '>' enter keys allow to cancel or confirm messages on the display.

### 2.3.3 Service keyboard

This service keyboard (A) is used for cleaning (see 5) and for reading the counters (see 4.2). The service engineer uses it to change the settings of the machine.

Key \* = Program key

Key 4 = Rinse mixer

Key 5 = Run grinder/coffee I

Key 6 = Run grinder/coffee II

Key 7 = Rinse brewer

Key 8 = Run brewer

Other keys are used by the service engineer.

<b>7</b>		9
4	Coffee I	Coffee I
1	2	- "
Abort	Recei ve	Send
<b>3</b> (c	C	#
Program		

### 2.4 Type plate

The type plate (C) shows:

- Manufacturer
- Serial number
- Type/model specification
- Date of construction
- Water connection

## 2.5 Technical specifications

Dimensions of the machine: Width 550 mm/21.7 inch Height 605 mm/23.8 inch Depth 500 mm/19.7 inch Weight (empty) 30 kg/66.2 lbs

Electrical connection 240 Volt AC +/- 10%, 50 Hz +/- 2% max. capacity 3,0 kW 110 Volt AC +/- 10%, 50 Hz +/- 2% max. capacity 1.4 kW

Water pressure 0,5 - 6 bar (50 kpa - 600 kpa).

Without water connection: use the hand filled water tank.

Hourly performance: approx. 120 cups depending on product and volume.

#### Noise level:

- Standby 0 dB
- Regular coffee 58 dB
- Espresso using whole beans 68 dB

#### 3 Installation

### 3.1 Installing the machine

Installation, transportation and adjustment of the machine should only be carried out by properly trained service personnel. Their instructions about transportation, unpacking and installation of the machine, are available in the technical manual.

## 3.2 Placing the machine

Place the machine on a level surface in a hygienic dry room, with a temperature between 5°C and 40°C (40F - 100F).

### 3.3 Switch off the machine

If the machine will not be used for some time, for example over the weekend, it is recommended to switch off the water supply and the electricity. The main (on/off) switch (10) is located on the back of the machine.

### 4 Using the Essence



### 4.1 Preparing a drink

- 1 Place cup under outlet.
- 2 Set the strength of your beverage using the up/down scroll keys (3).
- 3 Press a drink selection key (4). After cup is filled, the display will signal 'beep' and indicate 'coffee ready'.

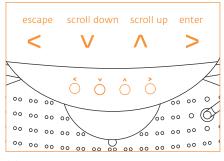


Place the outlet extension (magnetic) if small cups are used.

### 4.2 Reading out the counters

Use the service keyboard (A) and the scroll keys (3). With the '<' escape key you can leave any menu item to return to the previous menu item.

- 1 Press the 'program\*' key twice on the service keyboard. A menu appears on the display.
- 2 Go to 'counters' by using the up/down scroll keys.
- 3 Press '>' enter to go into the counters menu.
- 4 Scroll down to 'free' or 'paid' counters and press '>' enter. The display shows the counter scores.
- 5 Press '<' escape key to end the counters read out.



(3)

### 5 Maintenance and cleaning

## 5.1 Daily maintenance

Not performing the daily maintenance work has a harmful influence on the quality of the products and can lead to malfunctioning of the machine.

## Step 1. Refill

- 1 Unlock (1) and open the doors.
- 2 Refill topping (see 6.3) and coffee (see 6.2) if required.

### Step 2. Cleaning the topping outlet

- 1 Rotate the topping outlet (G) upwards and take it off.
- 2 Clean it with a dry brush.
- 3 Be sure it is dry when replacing it.
- 4 Turn it downwards.

### Step 3. Cleaning the coffee funnel

- 1 Remove the coffee funnel (H)
- 2 Clean it with a dry brush.
- 3 Be sure it is dry when replacing it.

# Step 4. Flushing mixer and CoEx® brewer

- 1 Remove the drip tray (9) by pulling it towards you.
- 2 Place a jug under the brewer outlet.
- 3 Click the brewer outlet (K) down and pull the lock forward.
- 4 Press key 4 on the service keyboard. Hot water will flow through the mixer. Hold key until clean water comes out.
- 5 Press key 7 on the service keyboard to flush hot water through the CoEx® brewer. Repeat flushing until clean water comes out.
- 6 Unlock the brewer outlet by pushing the lock inwards.









(K)

(K)

### Step 5. Cleaning the outlet extension

- 1 Remove the outlet extension by pulling it down (magnetic, see 4.1)
- 2 Clean it with a brush and hot water.

# Step 6. Cleaning the waste container and the internal drip tray

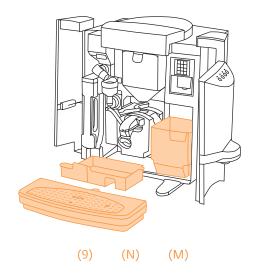
- 1 Remove the waste container (M). Empty it and clean it.
- 2 Remove the internal drip tray (N). Empty it and clean it.
- 3 Clean bottom of the machine with a dry brush or a soft damp cloth.
- 4 Replace the waste container and the internal drip tray.

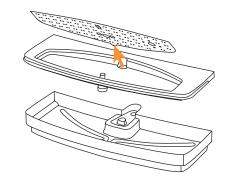
## Step 7. Cleaning the drip tray

- 1 Take the grid (8) out of the tray and remove the top part.
- 2 Empty the drip tray and flush all parts with warm water. Dry the parts.
- 3 Replace the drip tray.

### Step 8. Cleaning the exterior

1 Clean the outside of the machine with a soft damp cloth.





### 5.2 Weekly maintenance

Not performing the weekly maintenance work has a harmful influence on the quality of the ingredients and can lead to malfunctioning of the machine.

### Step 1. Open de doors

1 Unlock (1) and open the doors.

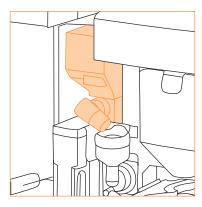
# Step 2. Cleaning the coffee canisters

- 1 Remove the coffee funnel (H)
- 2 Pull both canister locks forward.
- 3 Remove the coffee canister lid.
- 4 Remove coffee canister (E) and empty it.
- 5 Clean the coffee canister (F) with a dry brush.
- 6 Clean the coffee canister platform with a soft damp cloth.
- 7 Make sure the coffee canister is dry when replacing it.
- 8 Refill the coffee canister (see 6.2).
- 9 Open both cannister locks by pushing them back.

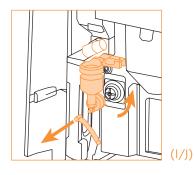


### Step 3. Cleaning the topping canister

- 1 Turn the topping outlet (G) upwards, remove the topping canister (D) and empty it (see 6.3).
- 2 Remove the topping outlet (G) and clean all topping canister parts with a dry brush.
- 3 Replace the topping outlet, in the upward position.
- 4 Clean the topping canister platform with a soft damp cloth.
- 5 Fill and replace the topping canister.



### Step 4. Cleaning the mixer



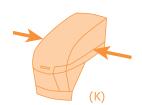
- 1 Remove the mixer tube (J).
- 2 Turn the bayonet catch counter clock wise (approx. 10°) and pull the mixer (I) parts towards you.
- 3 Rinse out all loose parts with hot water.
- 4 Replace the mixer into the machine. Assembling of the mixing system is carried out in reversed order of the disassembling.
- 5 Turn the topping outlet downwards.

### Step 5. Cleaning the CoEx® brewer

- 1 Remove the brewer outlet: Press it down and pull out the knob at the right (see 5.1, step 4). Then remove the left part by lifting it upwards.
- 2 Press the sides to split the two parts of the brewer outlet (K).
- 3 Rinse the brewer outlet with hot water while cleaning both parts, inside and outside, with a brush.
- 4 Remove the CoEx® brewer (L): pull the fixation handle upwards and pull the brewer towards you at the same time.
- 5 Rinse out the CoEx® brewer with warm water while cleaning it with a brush
- 6 Dry the CoEx® brewer and the brewer outlet.
- 7 Replace the CoEx® brewer.
- 8 Assembling of the brewer outlet on the CoEx® brewer is carried out in reversed order.

Step 6. Take a test drink







### 5.3 Monthly maintenance

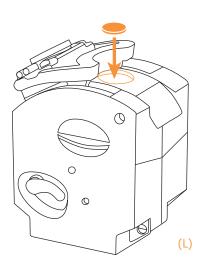
Not performing the monthly maintenance work has a harmful influence on the quality of the ingredients and can lead to malfunctioning of the machine. Apart from the weekly maintenance, the following tasks have to be performed monthly to ensure a correctly operating machine and an optimal quality of the coffee.

# Step 1. Cleaning the coffee- and topping canisters with water

- 1 Remove the coffee canister and empty it (6.2).
- 2 Remove the topping canister and empty it (see 6.3).
- 3 Rinse out the canisters with warm water until all coffee and topping residues are removed.
- 5 Make sure that each canister is dry inside and outside. If it is not completely dry, the coffee may form lumps, which may block the system.
- 6 Fill the topping canister and replace it into the machine (see 6.3).
- 7 Replace the coffee canister into the machine and fill it (see 6.2).
- 8 Open the canister locks (5.2 step 2).

### Step 2. Running a cleaning cycle

- 1 Press the program key on the service keyboard twice.
- 3 Select the cleaning cycle.
- 4 Place a cleaning pill in the CoEx® brewer.
- 5 Place a jug under the brewer outlet.
- 6 Click the brewer outlet down and pull the lock forward (5.1 step 4).
- 7 Press '>' enter to start the cleaning cycle, which takes about six minutes.
- 8 Unlock brewer outlet.

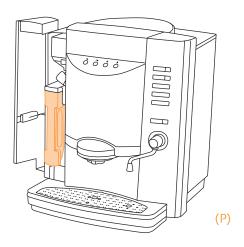


# 6 Filling

# 6.1 Filling the water tank

Only for hand fill application.

- 1 Unlock and open left door.
- 2 Remove the water tank (P) by pulling it towards you.
- 3 Fill the water tank with fresh and clean water.
- 4 Replace the water tank.
- 5 Close the door and lock it.



## 6.2 Filling the coffee canister

Fill up the coffee canister for one or two days to keep the coffee fresh. Make sure that the coffee canister remains filled with a layer of at least 4 cm of ingredients. Use ingredients which are recommended by the supplier of the machine.

Use beans and/or ground coffee in accordance with the type of your Essence machine.

Coffee canisters (I or II):

- · Ground coffee/Beans
- · Beans/Beans
- · Ground coffee/Ground coffee

Fill up the coffee canisters:

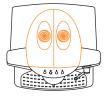
- 1 Unlock the left door.
- 2 Open the canister lid (E).
- 3 Fill with beans and/or ground coffee according to I or II.
- 4 Replace the canister lid and lock the door.
- 5 Take a test drink.

### Canister I

### Canister II



Essence BG



Essence Twin B



Essence Twin G



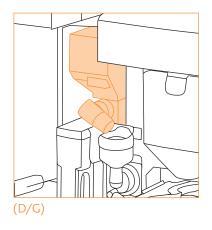
**G** Ground coffee



**B** Beans

### 6.3 Filling the topping canister

- 1 Unlock and open the left door.
- 2 Turn the topping outlet (G) upwards.
- 3 Lift up the the topping canister (D) at the front, until the positioning ridge comes out of the hole.
- 4 Pull the topping canister towards you to take it out of the machine.
- 5 Remove the topping canister lid.
- 6 Fill the canister with topping and replace the topping canister lid.
- 7 Replace the topping canister into the machine: Slide the topping canister backwards until you can fit the positioning ridge back into the hole.
- 8 Turn the topping outlet downwards.
- 9 Take a test drink.
- 10 Close the door and lock it.



### 7 Messages on the display

7.1 Error messages requiring a service engineer

supply and call the service engineer.

Switch off the machine and water

No water in boiler

There is no water in the pressure boilers.

Inlet valve/water leaking

The water system is leaking water.

Water temperature too high

A too high temperature is detected,

Shortcut temperature sensor

The temperature sensor is not functioning correctly.

Disconnected temperature sensor

This sensor is disconnected.

Sensors disconnected

The internal sensors are disconnected

Communication error

The electronic controll system is not

working correctly.

When the given solutions don't work please always contact the service engineer.

## 7.2 Messages you can solve yourself

Water tank needs filling

Wait until the water tank is filled. In hand fill mode: fill the water tank (P).

Close left door Close both doors.

Place cannister lid (E) is not placed

correctly, replace it.

Place waste container Replace the waste container (M).

Empty internal drip tray Empty and clean internal drip tray (N).

No coffee in brewer Fill the coffee canister(s), replace the

coffee funnel (H) and/or open the

canister lock.

Not enough water in your cup Empty this cup, try again.

Empty it and retry the same selection.

CoEx brewer not in position Replace the CoEx brewer (L).

No water connected Open/connect the water connection

(see 1.3) and restart the machine.

Install water tank Install the hand fill water tank (P).

Filling pressure boiler The hot water system is filling, wait.

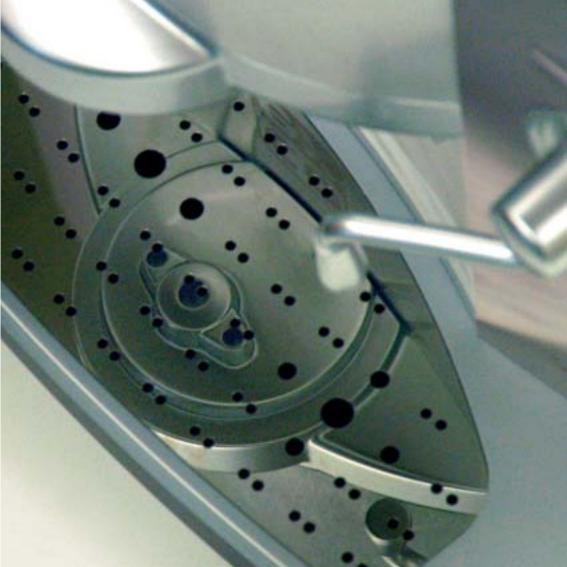
ERROR 1 The cleaning cycle in not finished.

Restart the cleaning cycle.

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### Exterior of the Essence

- 1 Machine lock
- 2 Display
- 3 Scroll keys (strength selection): escape/scroll down/scroll up/enter
- 4 Drink selection keys
- 5 Espresso or coffee outlet
- 6 Milk outlet
- 7 Hot water or steam outlet
- 8 Grid
- 9 Drip tray
- 10 On/off switch (see 1.3)

### Interior of the Essence

- A Service keyboard
- B ConfigCard and dataconnection
- C Type plate
- D Topping canister
- E Canister lid
- F Coffee canisters
- G Topping outlet
- H Coffee funnel
- I Mixer
- J Mixer tube
- K Brewer outlet
- L CoEx® brewer
- M Waste container
- N Internal drip tray
- O Internal drip tray sensor
- P Water tank



