

AUTOMATIC MILK FOAMING SYSTEM
WITH TEMPERATURE CONTROL

STEAMAIR




TECHNICAL NOTE

ON RUMBA AND Z MACHINES

1. PRESENTATION :

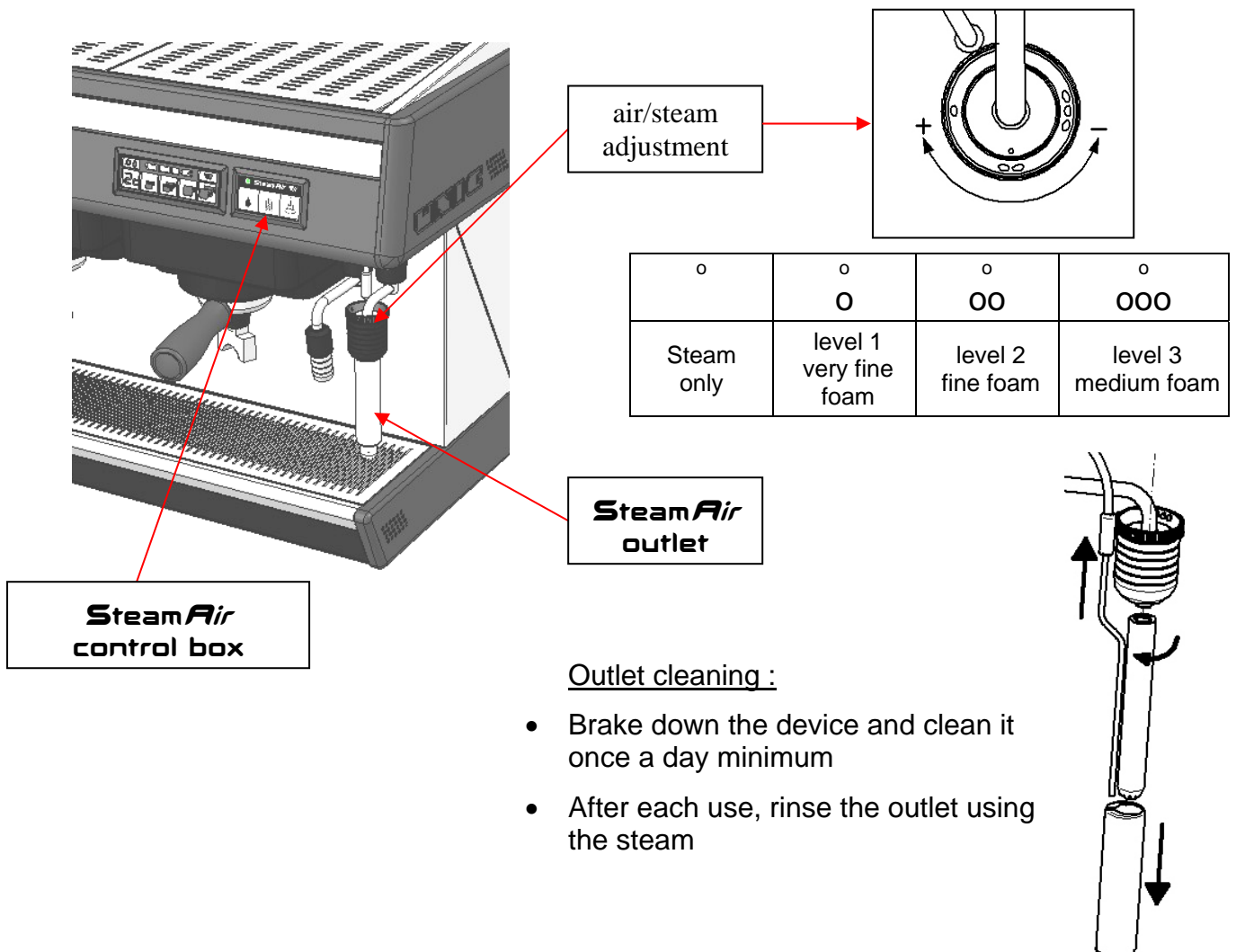
The **steamair** option allows, particularly when making *cappuccino*, to foam the milk very easily and automatically: the supply of air mixed with steam brings milk to a programmed temperature (60° to 70°) and foams it. It stops automatically when the temperature is reached which saves milk from boiling. By this way the milk qualities are preserved.

Once the air/steam adjustment is defined, the operation is as follows:

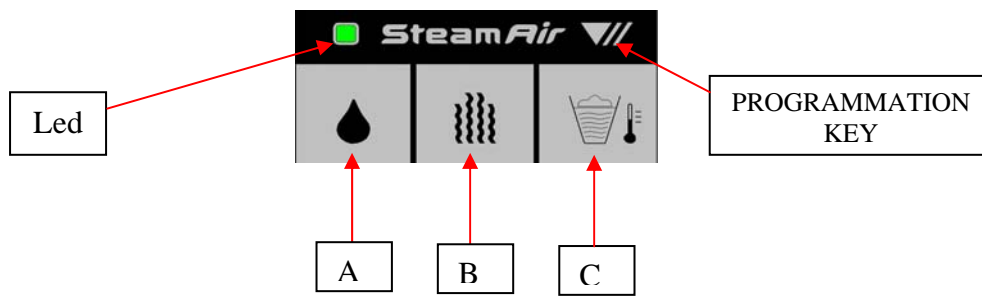
- Insert the **steamair** outlet into the milk container
- Push on the **steamair** key 
- Wait for it to stop automatically.

The **steamair** box also drives hot water and steam outlets time delays


2. COMPONENTS :




3. PROCESS:



A- HOT WATER KEY :


An impulse on the key  makes water flows during a programming time (see § 4)
You can stop it by pushing again on the key.
A safety cuts the flow after 105 seconds

B- STEAM KEY :

An impulse on the key  controls the steam outlet during a programming Time (see § 4)
You can stop it by pushing again on the key.
A safety cuts the outlet after 180 seconds


C- **STEAMAIR** KEY :

AUTOMATIC MODE: (To reach the programmed T°)

One impulse on the key  makes the **steamair** flow until the liquid reaches the preset temperature (see § 4)
You can stop it manually by pushing again on the key.

MANUAL MODE: (Over the programmed T°)

If after the stop in automatic mode (temperature reached) you wish to continue the

heating, you have to press again on .

Then you go into manual mode and the steam outlet is again activated.

To stop you will have to push again on the same key.

If you don't do it, it will be stopped automatically by one of the two safeties: after 180 seconds or when the liquid temperature reaches 96°







Note: when a safety is switched on, the led blinks.

4. PROGRAMMING :

The programming mode allows adjusting the hot water and steam delay time together with the adjustment of the **steamair** step temperature.




A. HOT WATER / STEAM DELAY TIME ADJUSTMENT :

To adjust the hot water and steam delay time you have to:

- Switch off the machine by cutting the main switch.
- Keep the key  pressed on, when switching on until orange blink of the led  which confirms that you have entered the programming mode
- Place a container under the hot water outlet and press on 
- When the level in the container is convenient press again on 
- Follow the same process to adjust steam delay time
- Press on  to confirm the new adjustment and come out of the programming mode (the led blinks twice in orange )

B. **STEAMAIR** TEMPERATURE ADJUSTMENT :

To adjust the **steamair** temperature, you need (with power on) to:

- Maintain the key  pressed on until orange blink of the led  which confirms that you have entered the programming mode.
- Press the key  paying attention to the number of blinks and colour of the led which shows the temperature adjustment registered :
The led lights in orange: it means that the adjustment is as in factory 62°C
A blink corresponds to a difference of 2°C compared to the original value;
with green colour it is below, in red it is above.




Examples:

2 green blinks means that the temperature is set to 58°C (62° - 2x 2°)

3 red blinks means that the temperature is set to 68°C (62° + 3x 2°)

- To modify the adjustment :

Each impulse on  reduces the temperature of 2°, on  increases of 2°

- Press on the key  to check the adjustment : check the number of blinks looking the colour of the led
- Press on  to confirm the new adjustment and come out of the programming mode (the led blinks twice in orange )

Note: The temperature adjustment can be done in a range of 50°C to 90°C