

# **Bolero 1 and Bolero 2**

## **ENGLISH MANUAL**



700.471.008 - v1.0 (EN)

HMI : V1.0.2

All rights reserved.

No part of this document may be copied and/or published by means of printing, photocopying, microfilming or by any other means whatsoever without the prior written consent of the manufacturer. This also applies to the included drawings and/or diagrams.

The information in this document is based on data that was available at the time the design, the material characteristics and the operating methods were published, meaning that this document is subject to change.

For this reason, the instructions are merely a guideline for the installation, maintenance and repair of the machine displayed on the front cover.

This document applies to the standard version of this machine.

The manufacturer therefore declines all liability for any damage arising from specifications that deviate from the standard version of the machine delivered to you.

This document has been compiled with the utmost care. However, the manufacturer cannot be held liable for any errors it contains or the consequences thereof.

## Table of contents

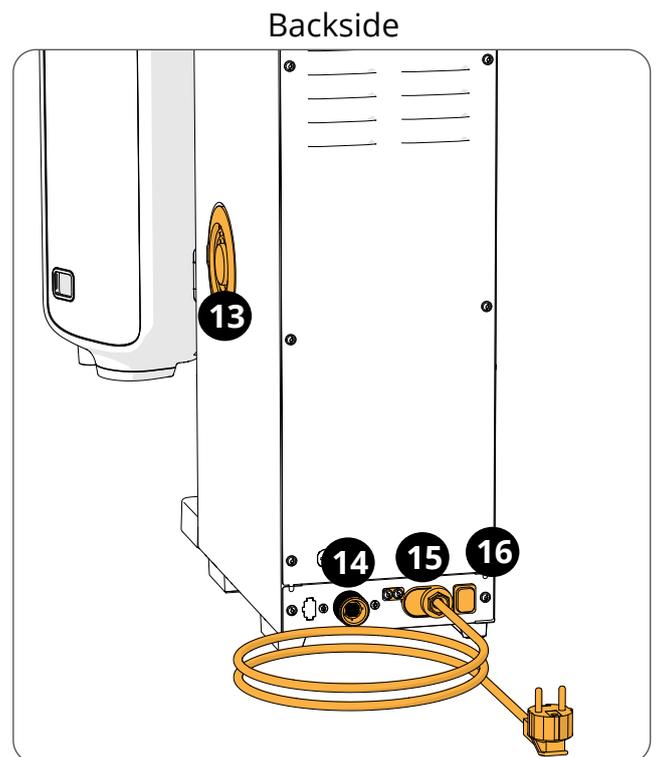
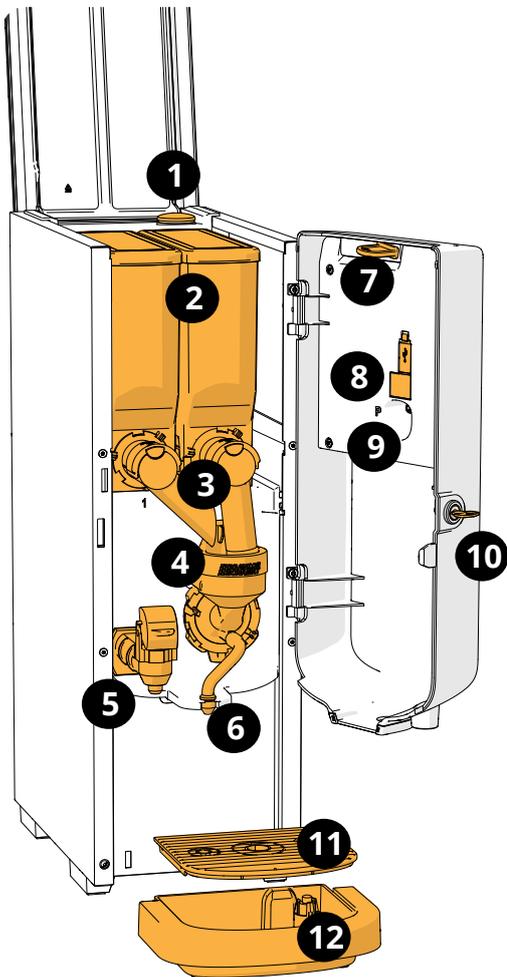
<b>1. Parts and functions</b>	<b>1</b>
1.1 Parts	1
1.2 Additional water softener filter	1
1.3 Controls	2
<b>2. Start up</b>	<b>3</b>
<b>3. Your beverage</b>	<b>6</b>
3.1 Personalize your beverage	6
3.2 Cancelling instant related beverages	7
3.3 Hot water tap	7
3.4 Screensaver	8
3.5 Energy saving mode (ECO)	8
<b>4. Cleaning</b>	<b>9</b>
4.1 Daily cleaning	9
4.2 Weekly cleaning	11
<b>5. Program menu</b>	<b>13</b>
5.1 Maintenance menu	14
5.1.1 Rinse the mixing system	15
5.1.2 Descale	17
5.1.3 Water filter management	24
5.1.4 Hotkey rinsing function	27
5.1.5 Cleaning management	28
5.1.6 Descale management	30
5.1.7 Canister calibration	33
5.1.8 Pump calibration	36
5.1.9 Input test	38
5.1.10 Output test	41
5.1.11 Cleaning instructions	44
5.1.12 Counters	47
5.2 Beverages menu	52
5.2.1 Select beverage	53
5.2.2 Change beverage name	55
5.2.3 Change beverage price	56
5.2.4 Recipes	58
5.2.5 Select ingredient canisters	63
5.2.6 Change ingredient name	65
5.3 Machine menu	66
5.3.1 Year	67

5.3.2	Date .....	68
5.3.3	Time .....	69
5.3.4	Language .....	70
5.3.5	Screensaver .....	71
5.3.6	Background .....	73
5.3.7	Display brightness .....	74
5.3.8	Audio .....	75
5.3.9	Boiler temperature .....	76
5.3.10	Energy control (ECO) .....	77
5.3.11	Security settings .....	79
5.3.12	Network settings .....	84
5.3.13	Connected devices .....	85
5.3.14	Reset to factory settings .....	86
5.4	Software .....	88
5.4.1	Machine & software information .....	89
5.4.2	Error history .....	90
5.4.3	Warning history .....	91
5.4.4	Import machine settings .....	92
5.4.5	Export machine settings .....	94
5.4.6	Update software .....	96
5.4.7	Export machine log .....	98
5.4.8	Update history .....	100
5.5	Online info .....	101
<b>6.</b>	<b>Messages and errors .....</b>	<b>102</b>
6.1	Warning messages .....	102
6.2	Errors .....	104
<b>7.</b>	<b>Appendix .....</b>	<b>106</b>
7.1	Filter information and water hardness .....	106
7.2	Door switch functionality .....	106
7.3	Basic configurations per machine .....	106
7.4	PIN code security settings .....	107
7.5	Special functions .....	108
7.5.1	Cancel beverage on/off .....	108
7.5.2	Quick rinse .....	108
7.5.3	Demo mode on/off .....	108
7.6	How to create media files .....	109
7.6.1	Screensaver .....	109
7.6.2	Background .....	109

# 1. Parts and functions

## 1.1 Parts

1. Descaling cap
2. Canisters
3. Canister outlet
4. Mixing unit
5. Hot water tap
6. Beverage outlet
7. Safety key
8. USB connection
9. Program button
10. Door-key
11. Drip tray plate
12. Drip tray with float
13. Ventilation system
14. Water inlet
15. Electrical connection
16. On/off switch



## 1.2 Additional water softener filter

To enjoy your beverages even more and improve the performance of your Bolero, we recommend installing a water softener filter. You can request one from Bravilor Bonamat BV.

- *When you install a water softener filter you must notify the Bolero of its presence as described in section "5.1.3 Water filter management" on page 24*

### 1.3 Controls

The basic buttons are described underneath.

Overall the Bolero reacts after the release when a button is pressed.

► *If no button is pressed within 5 minutes, the Bolero returns to the beverage selection screen.*

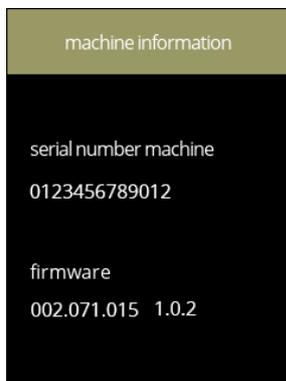
Controls	Function
	navigate
	start
	confirm (not saved yet)
	save settings
	cancel
	navigate through the available options
	increase and decrease

## 2. Start up

At start up, the Bolero can display different screens, depending on the status or the machine:

- ▶ *first install **not yet** completed, the first screen is 2b*
- ▶ *first install **already** completed, the first screen is 2a*

2a

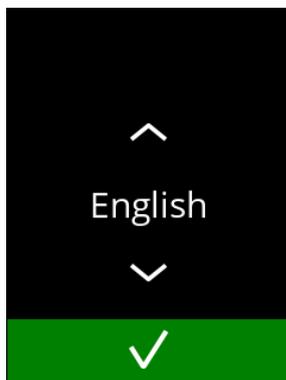


Machine information.

- After a few seconds the next screen will appear depending the status of the machine:

- ▶ *first install **already** completed, next screen is 2h or 2i*

2b

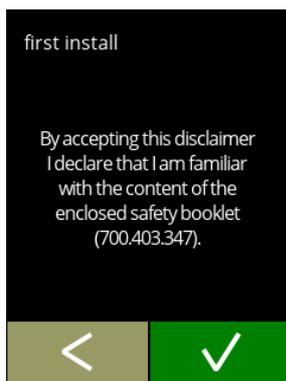


First installation select your language:

- press  or  to scroll through the available languages
- press  to confirm

- ▶ *The first installation menu is only displayed when the machine is switched on for the first time or turned on after the factory reset has been completed.*

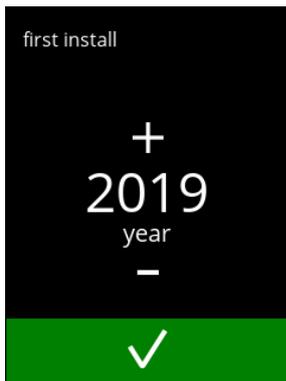
2c



Read the safety book!

- press  to go back or
- press  to confirm

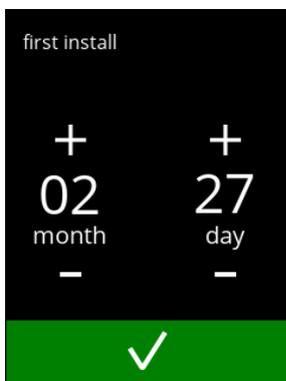
2d



Set the year:

- press **+** or **-** to set the current year
- press **✓** to confirm

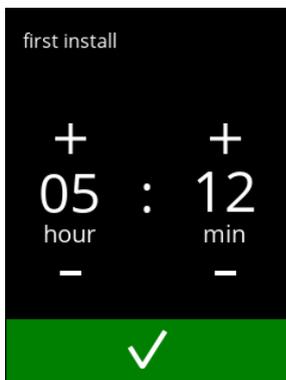
2e



Set the day and month:

- press **+** or **-** to set the current day and month
- press **✓** to confirm

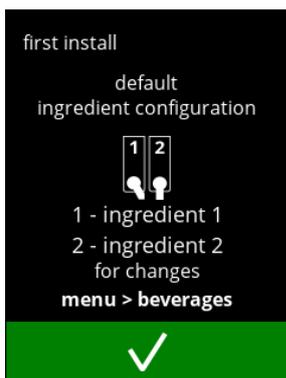
2f



Set the time:

- press **+** or **-** to set the current the hour and minutes
- press **✓** to confirm

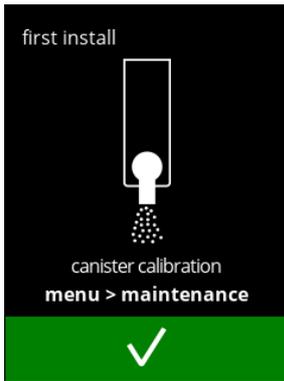
2g



Information screen:

- fill the canisters with ingredients
  - ▶ See the "List of ingredients" that comes with the machine.
- press **✓** to confirm
  - ▶ The screen depends on the configuration of the machine, see section 7.3 on page 106.
  - ▶ The values can be changed in the beverage menu, see section "5.2.5 Select ingredient canister" on page 63.

2h



Information screen:

- press **save** to confirm

► *Calibration is essential for a correct dosage of the ingredients and can be done in the maintenance menu, see section "5.1.7 Canister calibration" on page 33.*

2i

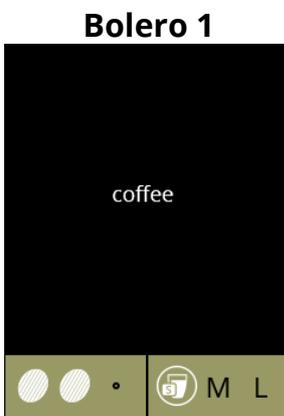


Information screen:

- press **save** to confirm

► *The date, time and language can be changed in section "5.3 Machine menu" on page 66.*

2j



The machine is ready for use.

### 3. Your beverage

If you press on name the beverage prepares immediately.

If you want to personalize the beverage select one of the icon buttons as shown below.

#### 3.1 Personalize your beverage

► These settings are used in preparing this one beverage and are not saved.



##### Options

*Strength:*

- press the beans (carousel) to select the beverage strength

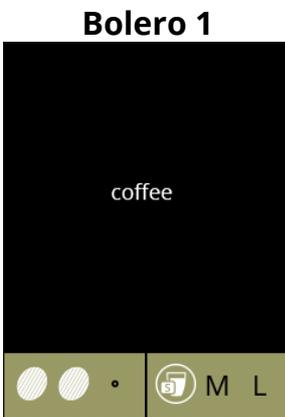


*Cup size:*

the letters (S=small / M=medium / L=large) represents the three steps in volume

- press the 'letters' (carousel) to select the beverage cup size

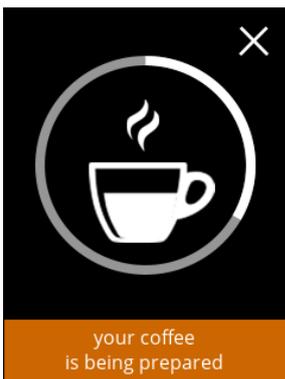
3.1a



##### Selecting your beverage

- touch the beverage of your choice

3.1b



Preparing your beverage.  
Please wait.

3.1c

## 3.2 Cancelling instant related beverages

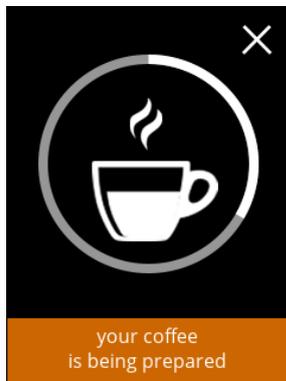
When a beverage is selected, immediately a cancel button appears.

The cancel button  may have a limited dimension but the dosing action can always be stopped wherever the screen is touched.

The cancel function is enabled by default and can only be turned off in section "5.3.13 Connected devices" on page 85.

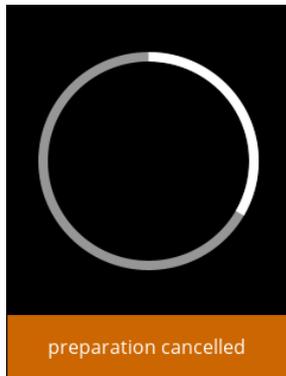
When a beverage is cancelled, the mixer continues to run for a few seconds to clean the mixer cup.

Touch somewhere on the screen to cancel your beverage.



3.2a

This screen is displayed to indicate the beverage has been cancelled.



3.2b

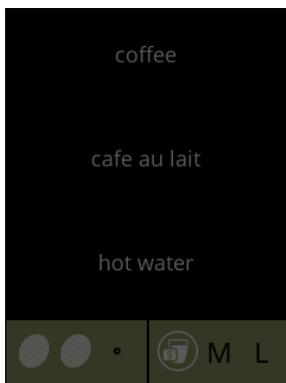
## 3.3 Hot water tap

The Bolero comes in two versions, with and without a manual hot water tap. The separate tap provides hot water for tea or soup.

- The hot water tap is intended for filling a cup with plain hot water. Keep a few seconds between filling cups with hot water and/or choosing another beverage to allow the appliance to refill.
- The hot water tap is not blocked if the water temperature is too low.
  - ▶ *It is not allowed to tap hot water while preparing a beverage in order to prevent clogging.*

### 3.4 Screensaver

If the screen has not been touched for a certain time, the screensaver starts.  
The screensaver timer can be set in section 5.3.5 on page 71.



3.3a

- Touch anywhere on the screen to return to the beverage selection screen.

### 3.5 Energy saving mode (ECO)

The device is equipped with an energy saving mode (ECO) this is used to save energy consumption when the machine is not used (e.g. overnight or during a weekend).

When ECO mode becomes active, the following actions are performed:

- water level control            disabled
- boiler heating                disabled
- backlight display            set to low percentage.
- fan                                disabled



3.4a

The energy control consist out of a (customised) screensaver with a energy saving symbol as semi transparent overlay. Energy control mode (see section 5.3.10 on page 77) is dominant over screensaver mode (see section 5.3.5 on page 71).

- Touch anywhere on the screen to return to the beverage selection screen.
  - ▶ *Depending on the switch-off time, it can take a few minutes before the machine is ready for use again.*

## 4. Cleaning

It is important that the Bolero is kept clean, what can be cleaned:

### Daily

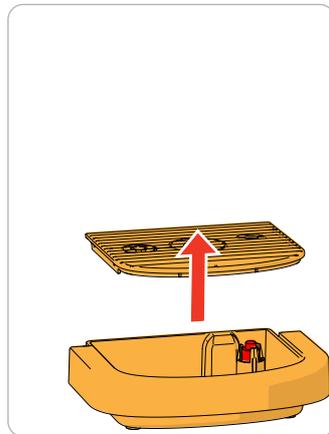
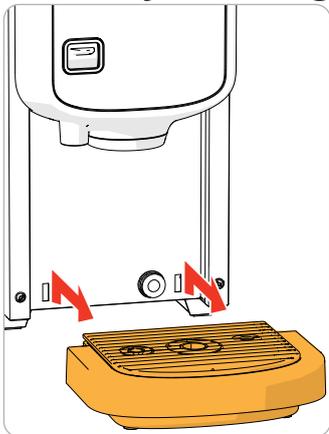
drip tray  
mixing unit  
the outside

### Weekly

canister(s)  
ventilation system  
the inside

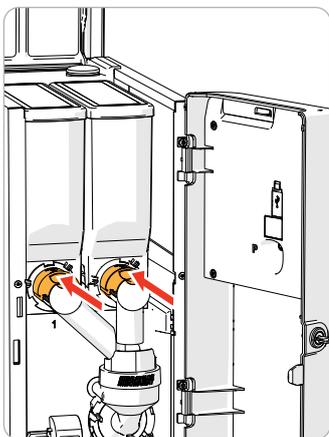
- ▶ *Never clean parts of the Bolero in the dishwasher, only if this is explicitly stated.*
- ▶ *Do not use any aggressive cleaning agents.*
- ▶ *See also the cleaning programmes in section "5.1 Maintenance menu" on page 14.*

### 4.1 Daily cleaning



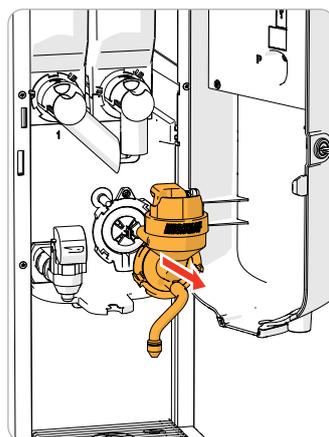
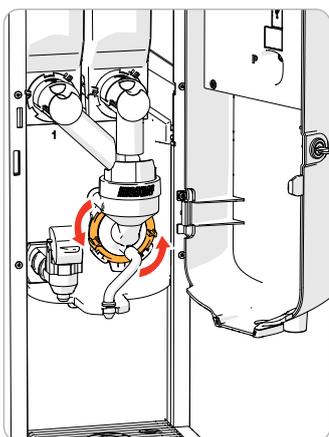
#### Drip tray:

1. pull the complete drip tray forward
  2. empty the drip tray
  3. clean the drip tray (including grid), using *hot soapy water*
  4. dry everything and place them back in place
- ▶ *Check whether the 'red float' is still in place*

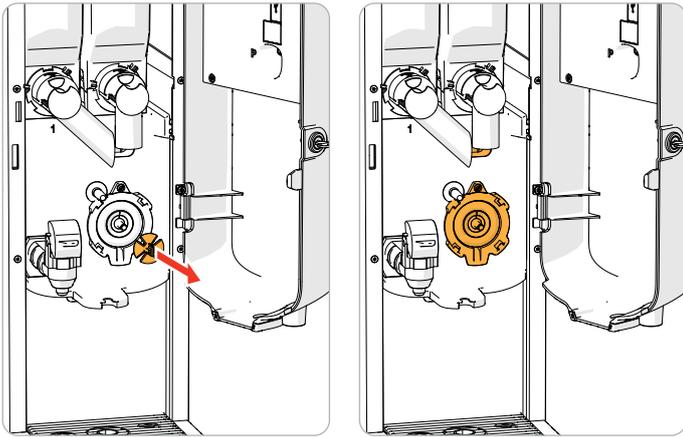


#### Mixing unit:

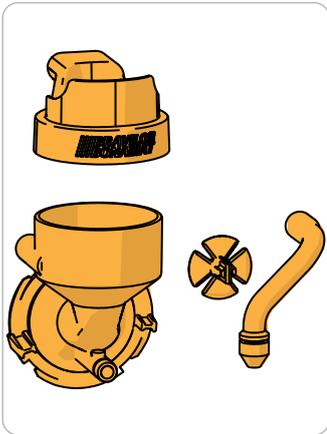
1. open the door and lid
2. close the 'yellow' slider of the canister outlet(s)



3. turn the fixation ring counter clockwise
4. remove the complete mixing unit



5. remove the mixer
6. clean the indicated parts, using a *damp cloth*



7. clean the removed parts (*not dishwasher proof*)
8. remount the mixing unit in reverse order
  - ▶ Pay attention to the flat side of the shaft and the mixer opening.
9. reconnect the tube to the mixing unit and the outlet
10. replace the ingredient canister(s) in its/their correct position
11. open the 'yellow' slider of the canister(s)
12. close the lid and door

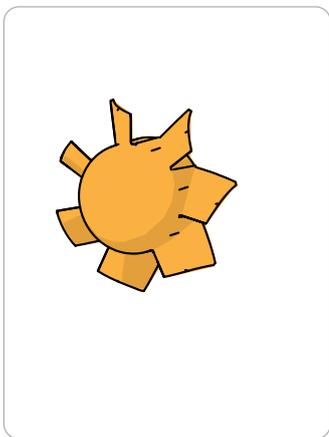
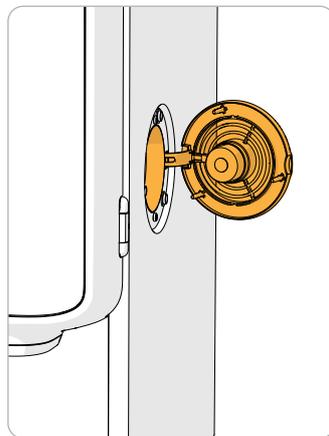
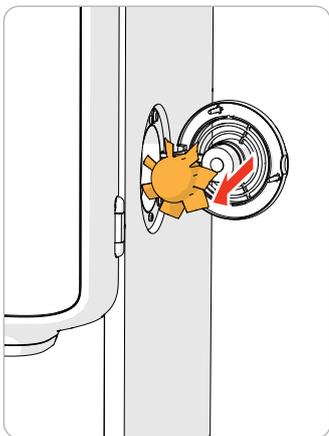
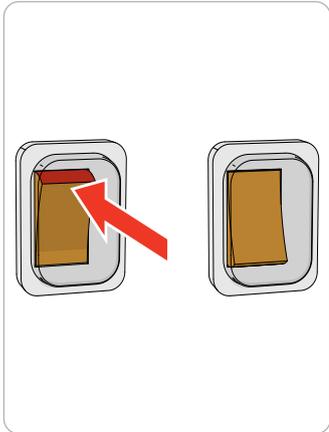


**The outside:**

1. switch off the machine (due to the touch screen)
2. clean the outside with a damp cloth
3. switch the machine back on

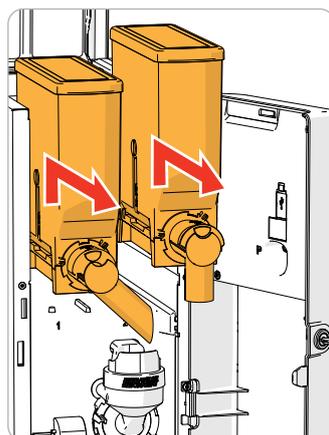
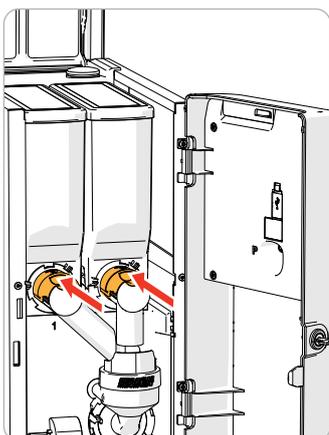
▶ To prevent clogging of ingredient that has fallen into the mixing cup, it is recommended to rinse the machine after the daily cleaning procedure (see section 5.1.1 on page 15)

## 4.2 Weekly cleaning



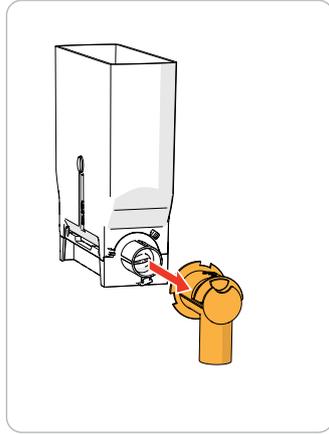
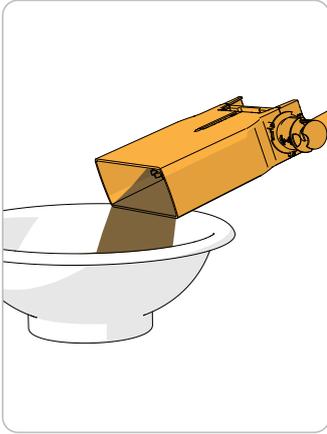
### Ventilation system:

1. switch off the machine
2. open the fan to the back
3. carefully pull the rotor of the motor
4. clean the fan housing and grid, using a damp cloth.
5. clean the fan rotor, using *hot soapy water*
6. dry everything and place the rotor back in place
7. switch the machine back on

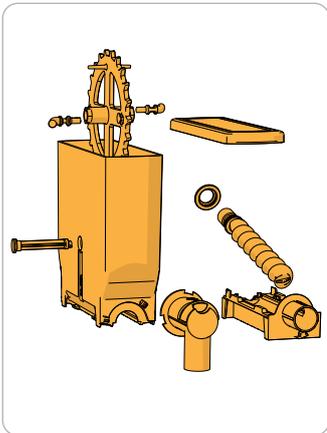
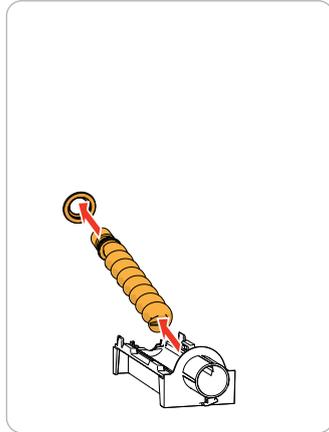
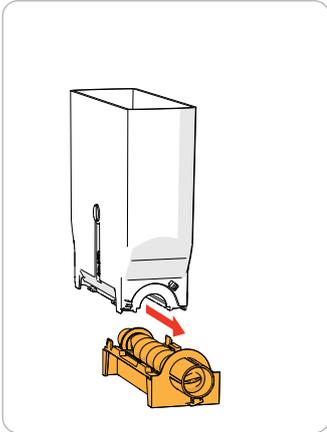


### Canister(s):

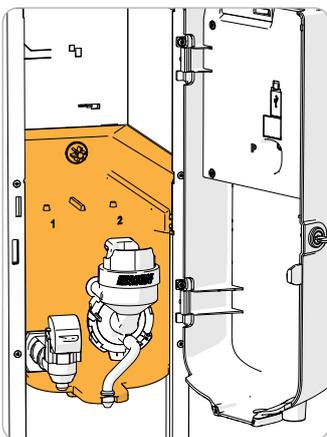
1. open the door and lid
2. close the canister outlet by moving the 'yellow' slider to the back
3. take the ingredient canister(s) out of the machine



4. pour the ingredients in a dry bowl
5. unlink the outlet from the ingredient canister



6. take apart the canister(s)
  7. clean the ingredient canister and outlet with a brush
- Do not use water to prevent the ingredients from clumping and clogging the canister.



8. clean the indicated parts, using a damp cloth
9. refill the ingredient canister(s)
10. replace the ingredient canister(s) in its/their correct position
11. open the 'yellow' slider of the canister(s)
12. close the lid and door

► To prevent clogging of ingredient that has fallen into the mixing cup, it is recommended to rinse the machine after the daily cleaning procedure (see section 5.1.1 on page 15)

## 5. Program menu



To access the program menu:

- open the door of the Bolero this message appears on the screen
- insert the service key (see number 7 on page 1)
- press the program button (see number 9 on page 1)

In the Program menu select one of the available options

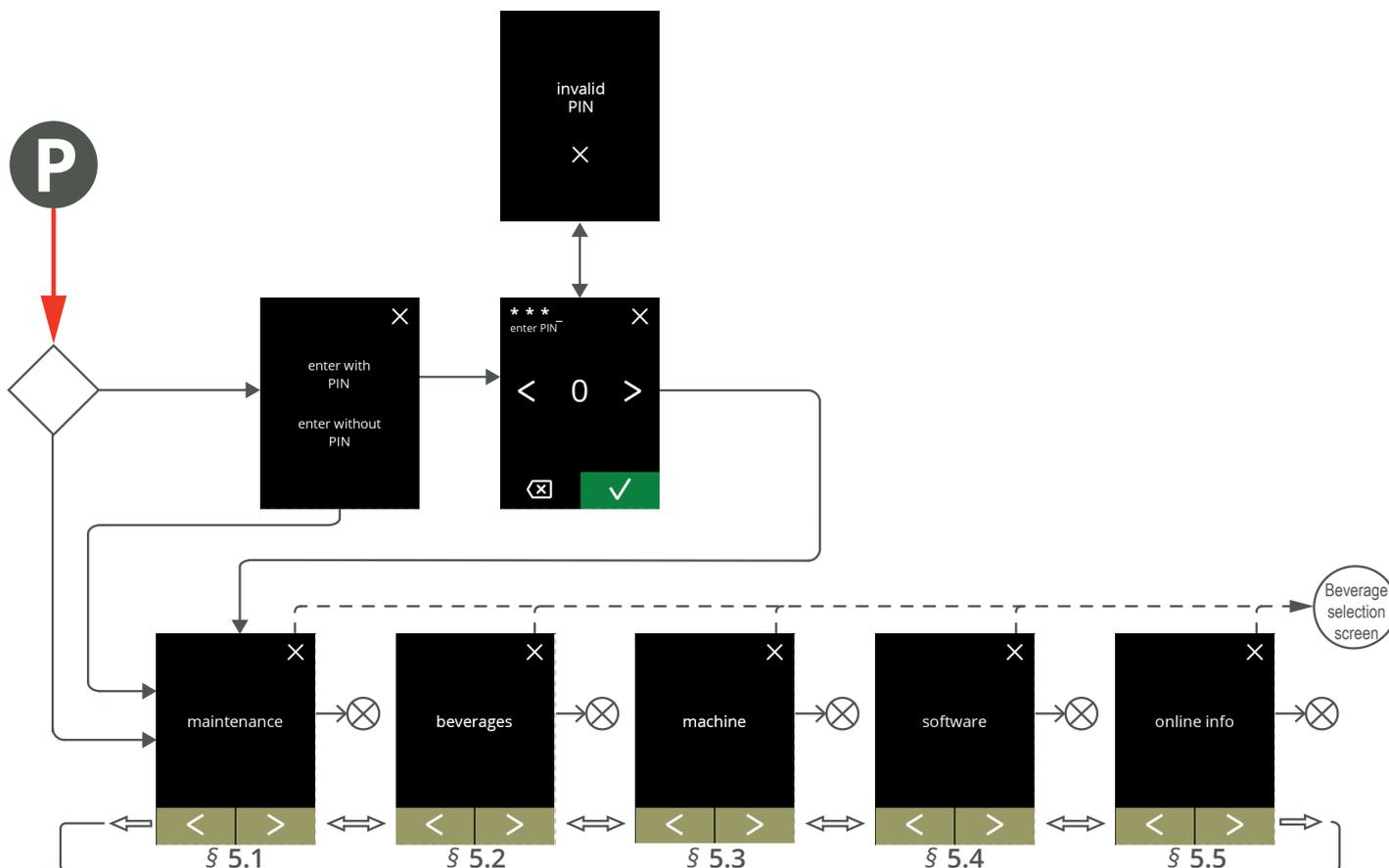
- press **◀** or **▶** to select the next option of the 'program menu' or
- press the 'text area' to select the next level for that menu or
- press **✕** to exit the program menu and return to the beverage selection menu.

▶ *If a PIN code is not set, all menu items are available.*

*If a PIN code is set, the user can enter the menu with or without a PIN code.*

*The menu items secured by PIN codes will be greyed out (see for more information section "7.4 PIN code security settings" on page 107).*

▶ *If no button is pressed within 5 minutes, the Bolero returns to the beverage selection screen..*

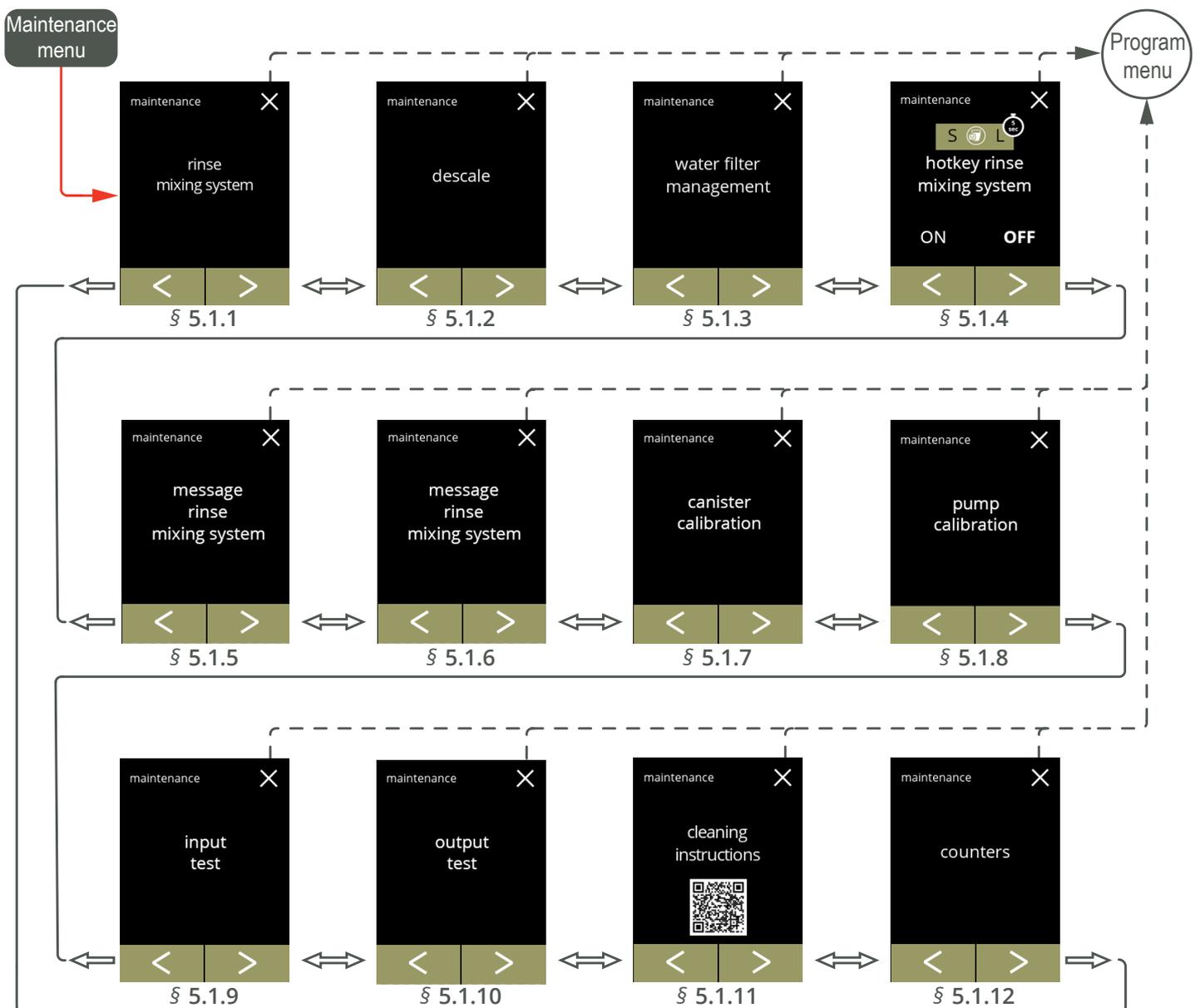


## 5.1 Maintenance menu

The maintenance menu contains all features that are available regarding the maintenance of the vending machine.

Select one of the available options

- press **◀** or **▶** to choose the next option of the maintenance menu or
- press the 'text area' to select the next level for that menu or
- press **⌫** to go back to section "5. Program menu" on page 13



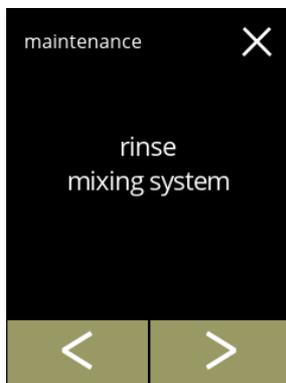
### 5.1.1 Rinse the mixing system

To maintain the correct functioning of the Bolero, the mixing unit must be rinsed several times a day and cleaned daily (see section 4.1 on page 9).

This procedure rinses the mixing unit and the outlet tube.

- ▶ *The rinse process can be interrupted at any time by pressing the cancel or somewhere on the touch screen.*

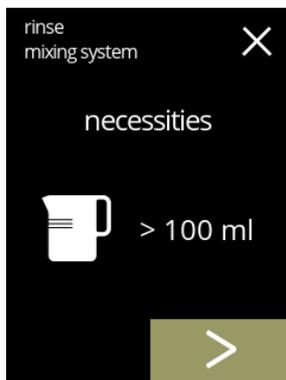
5.1.1



The rinsing procedure:

- press 'rinse mixing system' to select or
- press ◀ or ▶ to scroll through the maintenance menu

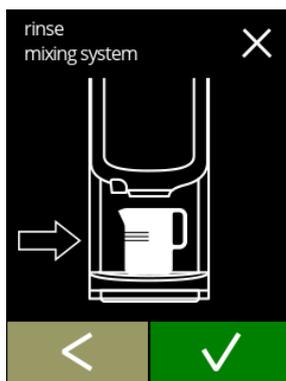
5.1.1a



Information screen:

- make sure that you have all necessities
- press ▶ to go to the next screen

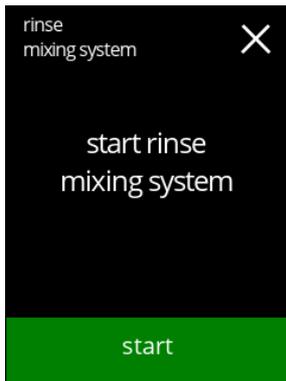
5.1.1b



Information screen:

- place an empty container under the beverage outlet
- press ✓ to confirm or
- press ◀ to go the previous screen

5.1.1c



Start rinsing:

- press **start** to begin the rinsing

5.1.1d



Rinsing:

- wait until the process is finished
  - ▶ *Hot water from the outlet*
- press **cancel** to abort

5.1.1e



Information screens:

- screen 5.1.1 is displayed after a few seconds

### 5.1.2 Descale

Descaling the Bolero will remove all lime scale within the water system. This will extend the life-cycle of the Bolero.

#### Necessities:

- descale agent (recommended: "RENEGITE", our proven descaling agent)
- measuring jug (1 liter)
- funnel
- bucket (10 liter)
- average time : ± 40 minutes
- safety gloves and goggles

► *The descaling process cannot be interrupted after screen "5.1.2e"!*



5.1.2

The descaling procedure:

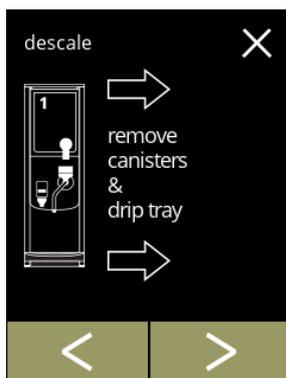
- press 'descale' to select or
- press ◀ or ▶ to scroll through the maintenance menu



5.1.2a

Preparation:

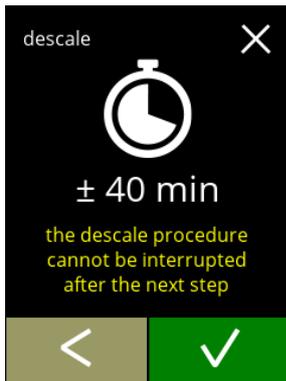
- make sure that you have all necessities
- press ▶ to go to the next screen



5.1.2b

Preparation:

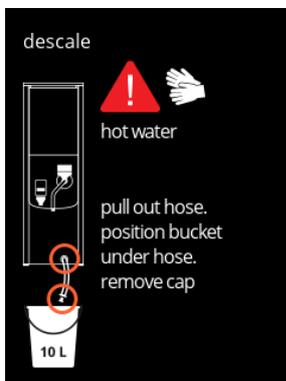
- follow the instructions on the screen
- press ▶ to go to the next screen



5.1.2c

Information screen:

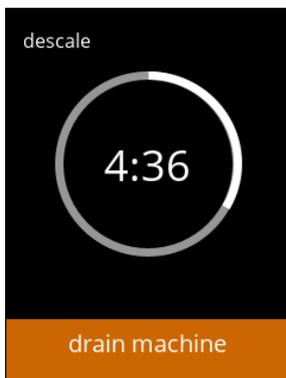
- average length of time
  - press  to go back or
  - press  to confirm and continue the descaling procedure
- ▶ *The descaling process cannot be interrupted after this screen!*



5.1.2d

Drain the machine:

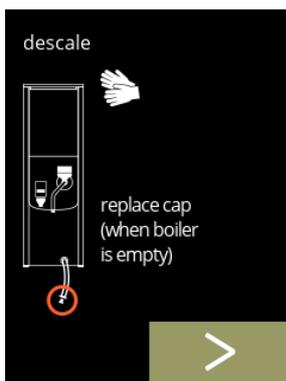
- follow the instructions on the screen
- ▶ *Wear protecting gloves, hot water!*
- when the water flows out of the hose, the following screen is displayed



5.1.2e

Draining the machine:

- the time indication shows the approximate time needed for draining
- when the boiler is empty, the following screen is displayed

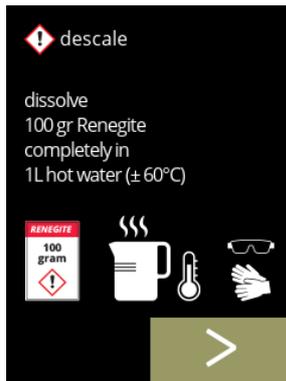


5.1.2f

Close the hose:

- follow the instructions on the screen
- press  to go to the next screen

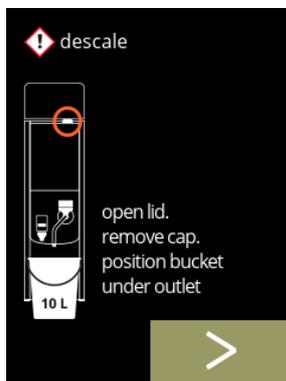
5.1.2g



Prepare the descaling solution:

- follow the instructions on the screen
  - ▶ *Wear safety gloves and safety goggles.*
  - ▶ *The descaling agent must be dissolved completely.*
- press **>** to go to the next screen

5.1.2h



Preparation:

- follow the instructions on the screen
- press **>** to go to the next screen
  - ▶ *Place the bucket also under **all** the outlets (including the hot water outlet).*

5.1.2j



Preparation:

- follow the instructions on the screen
- press **>** to go to the next screen
  - ▶ *Wear safety gloves and safety goggles.*
  - ▶ *Do not leave the machine unattended while a descaling solution is in the machine.*

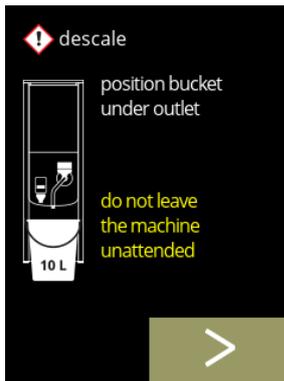
5.1.2i



Start descaling:

- press **start** to begin the descaling

Descaling:

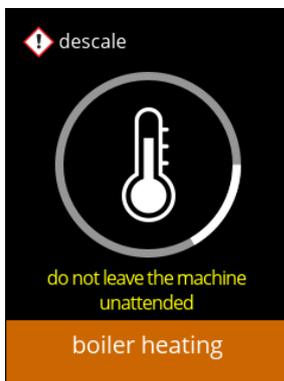


5.1.2k

► *Make sure that the bucket is placed under the outlets, in the next step, water with descaling solution will come out of **all** the outlets (including the hot water outlet).*

- press  to go to the next screen

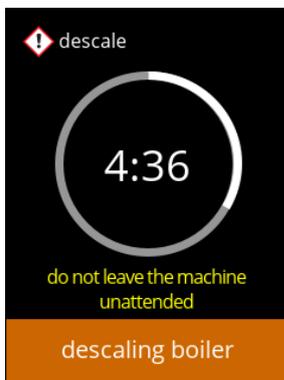
Descaling:



5.1.2l

- the boiler is heating up, wait for the next screen

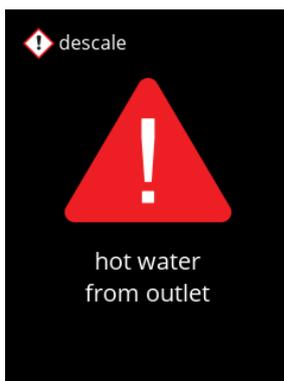
Descaling:



5.1.2m

- when the timer has expired the next screen appears and hot water with descaling solution comes out of the outlets

Descaling - warning screen:

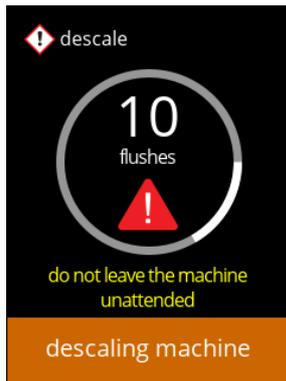


5.1.2n

- wait for the next screen

► *Hot water with descaling solution will come out of the outlets.*

5.1.2o



Descaling:

- wait for the next screen

► *Hot water with descaling solution flows out **all** of the outlets.*

5.1.2p



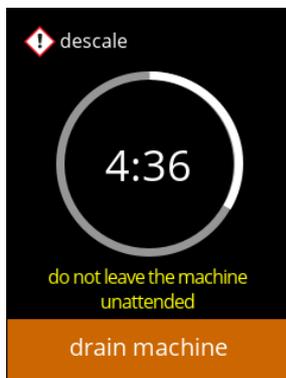
Descaling - draining:

- follow the instructions on the screen

► *Wear safety gloves and safety goggles, the water is hot and contains descaling solution!!*

- when the water flows out of the hose, the next screen is displayed

5.1.2q



Descaling - draining:

- the time indication shows the approximate time needed for draining
- when the boiler is empty, the next screen is displayed

5.1.2r

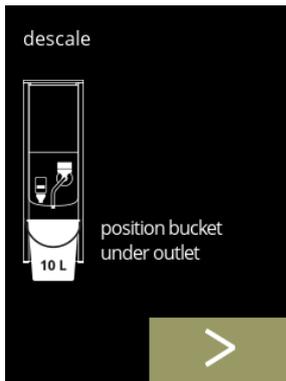


Descaling - draining:

- follow the instructions on the screen
- press  to go to the next screen

► *Remove and empty the bucket.*

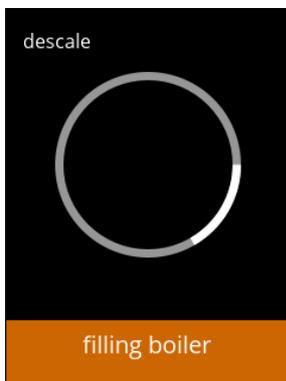
5.1.2s



Descaling - rinse:

- follow the instructions on the screen
  - ▶ Use an empty bucket.
  - ▶ Place the bucket also under **all** the outlets (including the hot water outlet).
- press > to go to the next screen

5.1.2t



Descaling - rinse:

- the boiler is filling, wait for the next screen

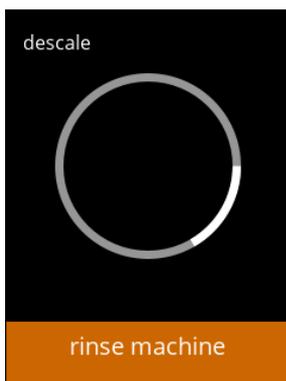
5.1.2u



Descaling - rinse warning screen:

- wait for the next screen
  - ▶ Water will come out of **all** the outlets.

5.1.2v



Descaling - rinsing:

- wait for the next screen

5.1.2w

**Descaling - ending**

- follow the instructions on the screen
- press **✓** to confirm every things has been restored

5.1.2x

**Information screens:**

- screen 5.1.2 is displayed after a few seconds

5.1.2y

**Warning screen:**

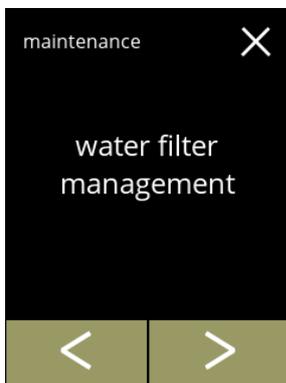
- ▶ *If the procedure is interrupted the machine will display this message.*
- press **resume** to continue the procedure where it was interrupted and to finish the descaling proces

### 5.1.3 Water filter management

If a water filter is installed, replaced or removed must be confirmed in the software so that the counter is updated. A water filter lessens limescale deposits and reduces impurities in the water. The Bolero also does not need to be descaled so often (see section "Filter information and water hardness" on page 106). Additionally, it ensures a consistent quality of the hot beverage in both taste and aroma.

water filter settings	default	minimun	maximum
capacity (litre)	<i>OFF</i>	100	10000
months shelf life		1	24

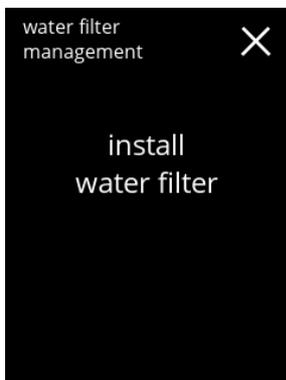
5.1.3



You can replace, remove or install the water filter:

- press '*water filter management*' to select or
- press **◀** or **▶** to scroll through the maintenance menu
  - » water filter **already** installed go to screen 5.1.3c
  - » water filter **not yet** installed, go to the next screen

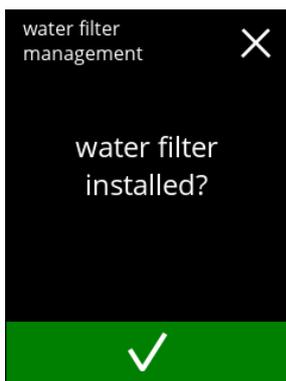
5.1.3a



Place a water filter:

- press '*install water filter*' to select
  - ▶ *Read the instructions that come with the filter.*

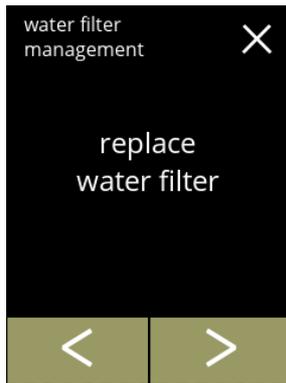
5.1.3b



Confirmation screen:

- install the water filter (conform its instructions)
- press **✓** to confirm and go to screen 5.1.3f

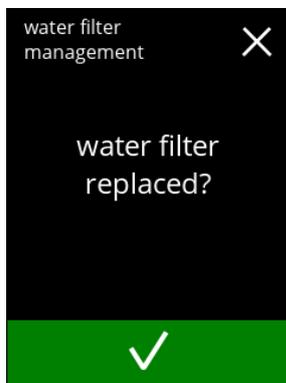
5.1.3c



Select an action regarding the water filter:

- press *'replace water filter'* to select or
- press **◀** or **▶** to scroll through the *'Water filter menu'*
  - » water filter settings (5.1.3e)
  - » uninstall water filter (5.1.3h)

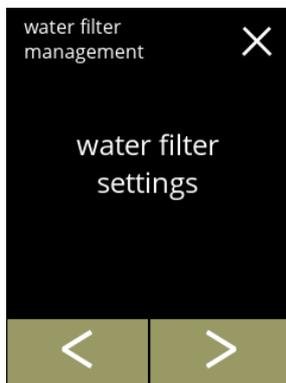
5.1.3d



Replace the water filter (conform its instructions):

- press **✓** to confirm and go to screen 5.1.3f

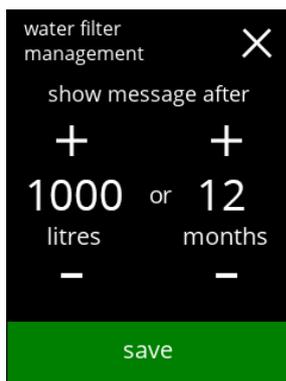
5.1.3e



Select an action regarding the water filter:

- press *'water filter settings'* to select and go to the next screen or
- press **◀** or **▶** to scroll through the *'Water filter menu'*
  - » uninstall water filter (5.1.3h)
  - » replace water filter (5.1.3c)

5.1.3f



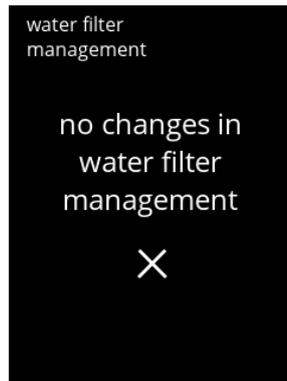
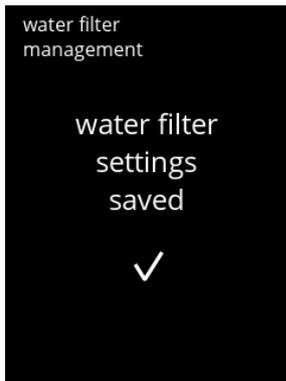
Set the *'replace water filter'* message:

- ▶ *When the water filter is first installed, both values start at 0 and must be changed before **save** is displayed.*
- ▶ *When replacing a water filter, the previous values are set and **save** is displayed immediately.*
- adjust the settings
  - ▶ *Both values are required*
- press **save** to confirm

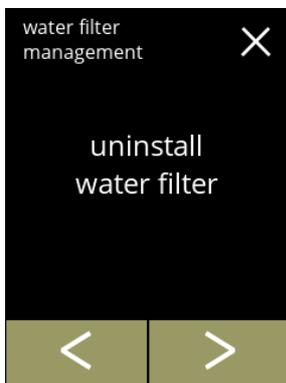
Information screens:

- screen 5.1.3 is displayed after a few seconds

5.1.3g



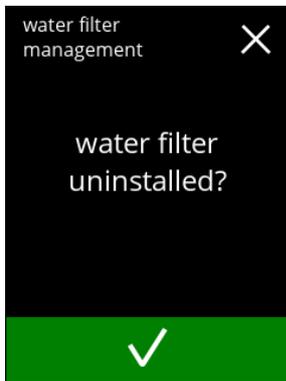
5.1.3h



Select an action regarding the water filter:

- press 'uninstall water filter' to select or
- press **<** or **>** to scroll through the 'Water filter menu'
  - ▶ *uninstall the water filter go to the next screen*
    - » replace water filter (5.1.3c)
    - » water filter settings (5.1.3e)

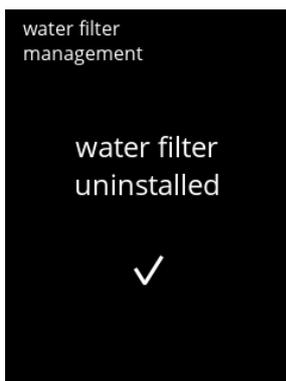
5.1.3i



Uninstall the water filter:

- press **save** to confirm

5.1.3j



Information screen:

- screen 5.1.3 is displayed after a few seconds

### 5.1.4 Hotkey rinsing function

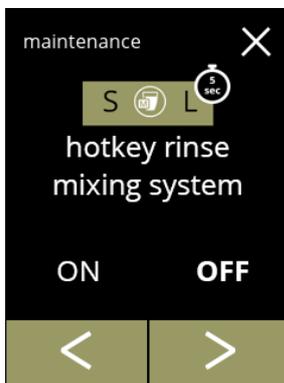
To prevent clogging, it is necessary to rinse the mixing system several times a day.

For this purpose, it is possible to set up a so-called hotkey on the screen.

In this menu it is possible to put the hotkey rinsing function active or inactive in the beverage selection screen.

**Default: OFF**

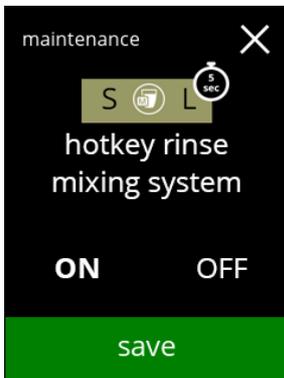
- ▶ To use the hotkey rinsing function press and hold for five seconds the S M L button on the beverage selection screen, the rinsing of the mixing system starts immediately.



Hotkey rinsing function:

- press 'ON' to set the hotkey function
- press ◀ or ▶ to scroll through the maintenance menu

5.1.4



Hotkey function:

- press **save** to confirm and go to the next screen
- ▶ *Save is only active if something has changed.*

5.1.4a

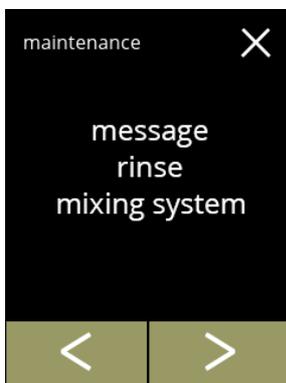
### 5.1.5 Cleaning management

In the cleaning management menu, it is possible to set a time or a cup counter to display a warning for rinsing the machine.

The warning can always be cancelled without rinsing the machine.

**Default: OFF**

5.1.5



Cleaning managementt

- press '*message clean mixer system*' to select or
- press ◀ or ▶ to scroll through the maintenance menu

5.1.5a



Cleaning message:

- press '*ON*' or '*OFF*' to set the message
  - » select OFF and **save**;
  - go to the next screen
  - » select ON and **✓**::
  - next screen is 5.1.5c

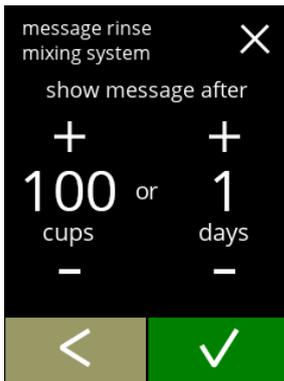
5.1.5b



Information screen:

- screen 5.1.5 is displayed after a few seconds

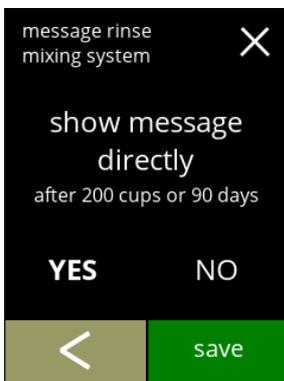
5.1.5c



Set day or time :

- press **+** or **-** to set the number of cups or days after which the warning should pop-up
- press **✓** to confirm and go to the next screen or
- press **<** to back

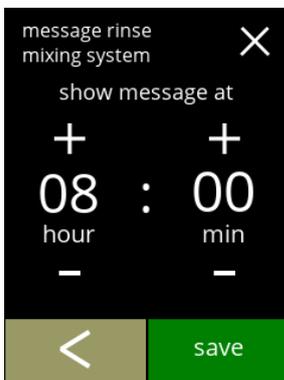
5.1.5d



Message direct or at a later time:

- press 'YES' or 'NO' to set the message timing
  - » select YES and **save**:
  - go to the second screen of 5.1.5f
  - » select NO and **✓**:
  - go to the next screen
- press **<** to back

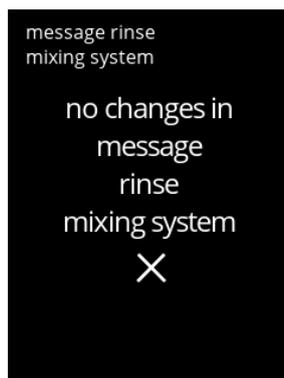
5.1.5e



Set the timer:

- press **+** or **-** to set the hour and minutes
- press **save** to confirm and go to the first screen of 5.1.5f

5.1.5f



Information screens:

- screen 5.1.5 is displayed after a few seconds

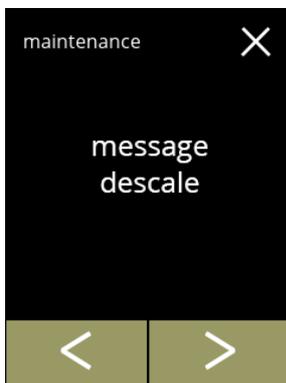
### 5.1.6 Descale management

It is important to know the correct hardness of the water at the location where the Bolero is used (for setting the descaling signal).  
 If necessary, ask the local water company for the hardness of the water supplied or measure the hardness of the water supplied on site with a water hardness tester (according to the corresponding instructions).

**Default: ON (with average water hardness)**

See also section "7.1 Filter information and water hardness" on page 106.

5.1.6



Descale management

- press '*descale management*' to confirm or
- press  or  to scroll through the maintenance menu

5.1.6a



Descale message:

- press '*ON*' or '*OFF*' to set the message
  - » select OFF and :
  - go to the next screen
  - » select ON and :
  - go to screen 5.1.6c

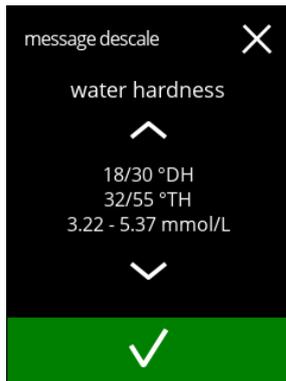
5.1.6b



Information screens:

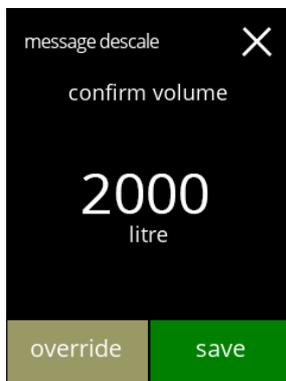
- screen 5.1.6 is displayed after a few seconds

5.1.6c

**Water hardness:**

- press or to set the water hardness
  - ▶ *When a water filter is used, the message can be delayed, select 0-4 °DH.*
    - » select a value between 4/8 and 18/30 °DH; press to confirm and go to screen 5.1.6g
    - » select 0/4 °DH; press to confirm and go to the next screen

5.1.6d

**Volume/override:**

- press to confirm and go to screen 5.1.6h
- press to adjust the volume for the notification and go to the next screen
  - ▶ *When a water filter is used the volume can be adjusted.*

5.1.6e

**Override:**

- press or to set the volume
- press to confirm and go to the next screen
- press to go to the previous screen
  - ▶ *The override volume is shown in orange and can be set from 2100 till 9999 litre.*
  - ▶ *If used incorrectly, the descale message can be delayed for too long, allowing lime to build up and damaging the boiler.*

5.1.6f

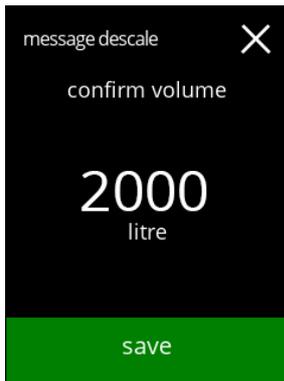
**Information screens:**

- screen 5.1.6 is displayed after a few seconds

Standard volumes/water hardness:

- press **save** to confirm and go to the next screen

5.1.6g



Information screens:

- screen 5.1.6 is displayed after a few seconds

5.1.6h



### 5.1.7 Canister calibration

In this menu the canister can be calibrated.

The calibration determines the density of the ingredient when a canister runs at a defined speed for a defined time.

When finished the measured weight must be filled in.

**Necessities:**

- empty cup
- balance

Canister calibration procedure:

- press 'canister calibration' to confirm or
- press  or  to scroll through the maintenance menu

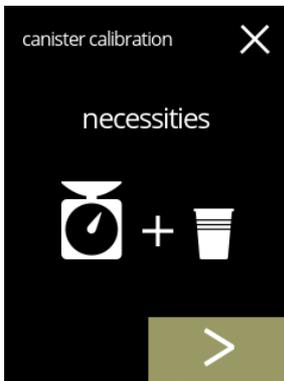
5.1.7



Make sure that you have all necessities.

- press  to go to the next screen

5.1.7a

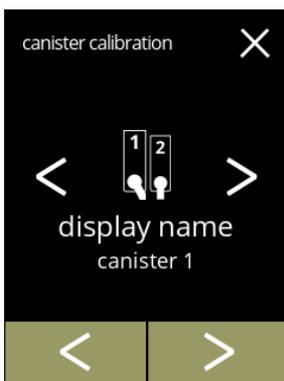


Canister selection:

- ▶ *The number of canisters may vary per configuration (see section 7.3 on page 106).*

- press  or  to select the canister (if more than one)
- press  to confirm and go to the next screen
- press  or  to scroll through the calibration screens

5.1.7b



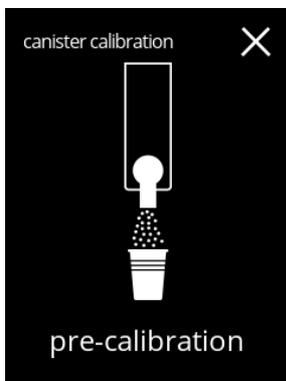
5.1.7c



Information screen:

- turn the fixation ring counter-clockwise
- remove the mixer unit and the condense reservoir
- put an *empty dry* cup under the canister outlet
- press **start** to begin the pre-calibration dosing
- press **<** to go to the previous screen

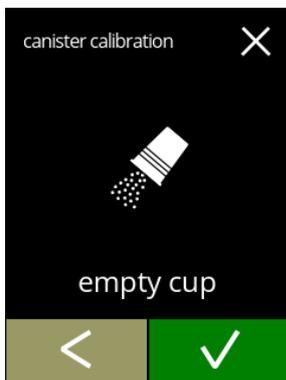
5.1.7d



Pre-calibration dosing:

- wait for the next screen
- ▶ *The canister motor will turn to fill up the spout.*

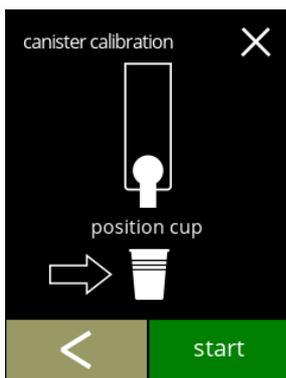
5.1.7e



Pre-calibration dosing:

- throw the collected ingredient back into the canister
- press **✓** to confirm and go to the next screen
- press **<** to go back to screen 5.1.7c

5.1.7f



Actual calibration:

- put a *empty dry* cup on the balance to calibrate
- put the cup under the canister outlet
- press **start** to begin the dosing
- press **<** to go back to the previous screen

5.1.7g



Dosing:

- wait for the next screen
- ▶ *Canister motor starts and stops several times.*

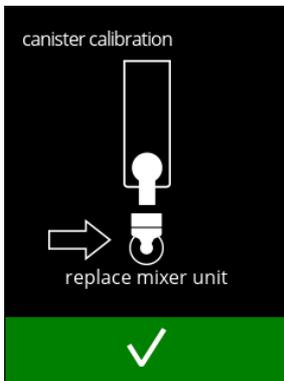
5.1.7h



Weight ingredient:

- put the cup with ingredient on the balance
- press **+** or **-** to enter the weight on the screen
- press **save** to confirm and go to the next screen
- press **<** to go back to screen 5.1.7f

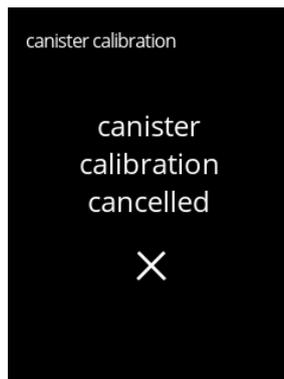
5.1.7i



Calibration completed:

- put the mixer unit back in place
- press **✓** to confirm

5.1.7j



Information screen:

- screen 5.1.7 is displayed after a few seconds

### 5.1.8 Pump calibration

In this menu the pump can be calibrated.

With calibration the volume of the water is determined for a defined flow and time. When finished the measured volume must be filled in.

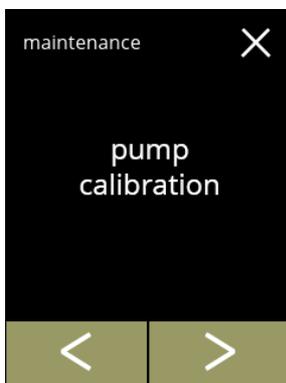
**Necessities:**

- measuring jug (minimal 200 ml)

Pump calibration procedure:

- press '*pump calibration*' to confirm or
- press ◀ or ▶ to scroll through the maintenance menu

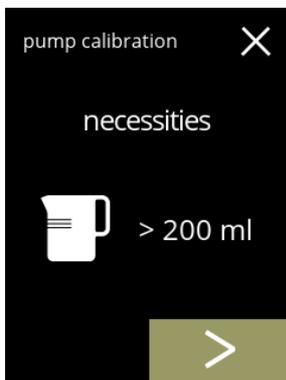
5.1.8



Make sure that you have all necessities.

- press ▶ to confirm and go to the next screen

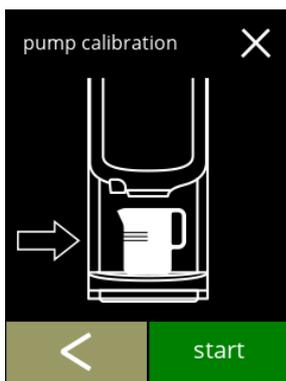
5.1.8a



Information screen:

- put a *empty* measuring jug under beverage outlet
- press **start** to begin the dosing
  - ▶ *Be aware the machine is the dosing hot water.*
- press ◀ to go to the previous screen

5.1.8b



5.1.8c



Warning screen:

- ▶ *The warning screen is displayed for a few seconds.*
- please wait until the next screen

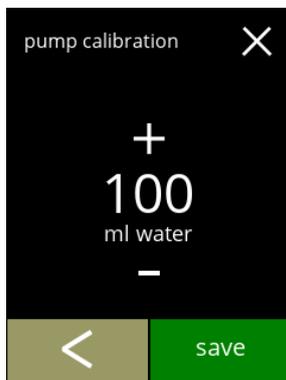
5.1.8d



Hot water dosing in progress:

- wait until the next screen appears
- ▶ *Hot water from outlet.*

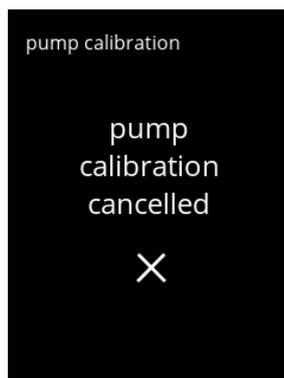
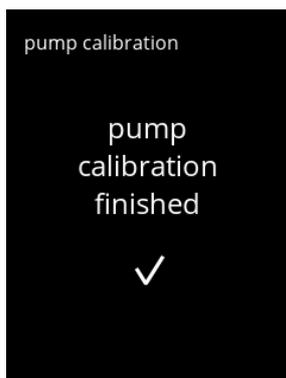
5.1.8e



Volume hot water dosing:

- read off the amount of dosed water
- press **+** or **-** to enter the volume on the screen
- press **save** to confirm and go to the next screen
- press **<** to go back to screen 5.1.8b

5.1.8f



Information screens:

- screen 5.1.8 is displayed after a few seconds

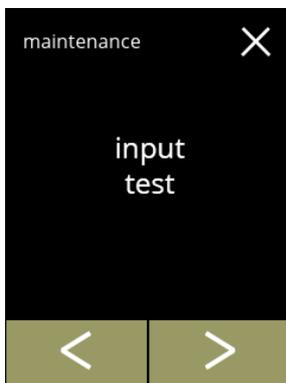
### 5.1.9 Input test

For a proper fault analysis a diagnosis should be made first.  
An input test can be performed for the following components:

- touchscreen
- floater
- NTC1 (low position) and NTC2 (high position)
- door switch / safety key
- low pressure pump

► *Despite the fact that sufficient safety measures are taken working with the systems may entail risks. Our starting point is that people activating this menu are sufficiently skilled and therefore able to properly assess these risks with respect to safety.*

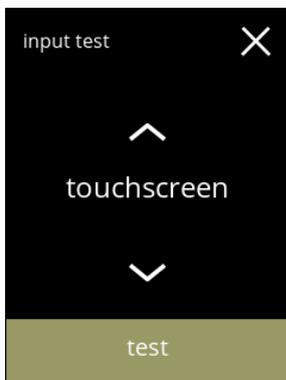
5.1.9



Input test

- press 'input test' to confirm or
- press ◀ or ▶ to scroll through the maintenance menu

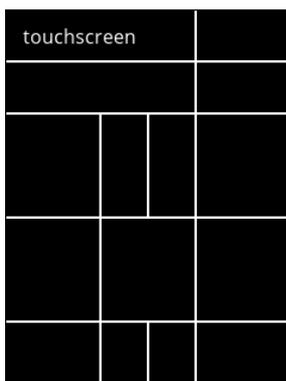
5.1.9a



Select an input test:

- press ▲ or ▼ to select another input device
- press test to go to the next screen

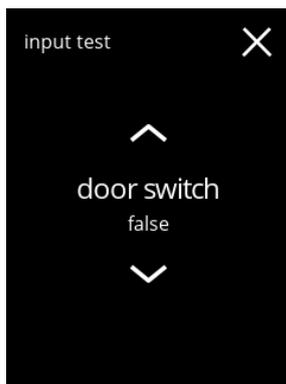
5.1.9b



Touch screen:

- touch the areas, they turn green when the button works (touch it again and it will be black again)
- after 20 seconds, screen 5.1.9a is displayed automatically
- *If not all blocks are tested within a certain time, the machine returns to the previous screen. The next time, the previously tested blocks are still green. This screen will not start with a complete black screen until all blocks are green (OK tested).*

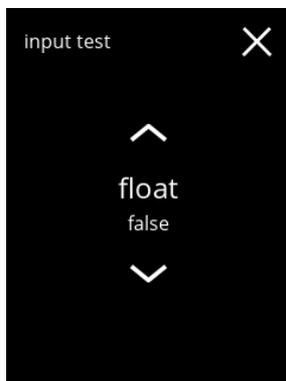
5.1.9c



Door switch/safety key:

- remove the service key and replace it resulting in false/true
- press  or  to select another input device

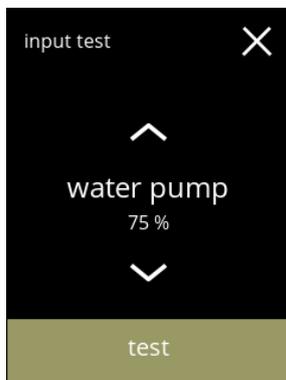
5.1.9d



Float:

- shows current state on screen (true=wet or false=dry)
- press  or  to select another input device

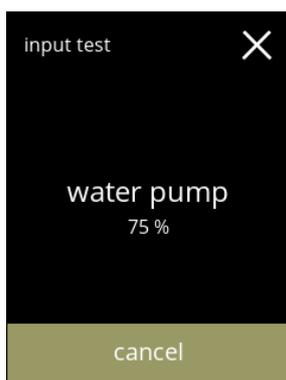
5.1.9e



Low pressure pump:

- shows current state of the sensor on screen (true or false)
- press  to go to the next screen

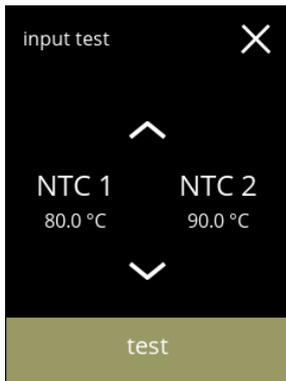
5.1.9f



Test the low pressure pump:

- the low pressure pump is turned on for 10 seconds and then stops.
  - ▶ *The motor runs slowly, so no water will come out of the outlet.*
- press  to go back to previous screen

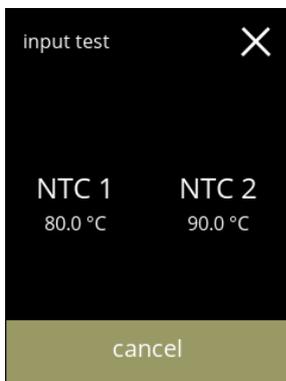
5.1.9g



NTC sensors:

- press  or  to select another input device
  - shows current temperature on screen
  - press  to go to the next screen
- ▶ *The service key must be placed.*

5.1.9h



Test the NTC sensors:

- ▶ *The heating element is on for 10 seconds, so the temperature on the screen should rise.*
- press  to go back to previous screen

### 5.1.10 Output test

For a proper fault analysis a diagnoses should be made first.  
The output test gives an overview of all parts able to deliver signals (electrical components).  
Components that can be tested:

- buzzer
- mixer
- heating element
- fan
- canister(s)
- low pressure pump
- water inlet valve

► *Despite the fact that sufficient safety measures are taken working with the systems may entail risks. Our starting point is that people activating this menu are sufficiently skilled and therefore able to properly assess these risks with respect to safety.*

5.1.10

Output test

- press 'output test' to confirm or
  - *There are two options for testing:*
    1. Pulse:  
The action is executed as long as the button is pressed.
    2. Cycle:  
The action is executed for 10 seconds and press on cancel to interrupt.
- press ◀ or ▶ to scroll through the maintenance menu

5.1.10a

Buzzer test:

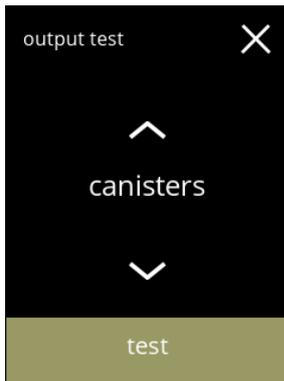
- press ▲ (or ▼) to select another output device
- press pulse,  
result: short 'beeb'
- press cycle,  
result: multiple short 'beeb's'

5.1.10b

Canister motor test **Bolero 1:**

- *The service key must be placed.*
- press ▲ or ▼ to select another output device
- remove the canister
- press pulse,  
result: the canister motor runs briefly at 20% speed
- press cycle,  
result: the canister motor runs at 20% speed for 10 seconds

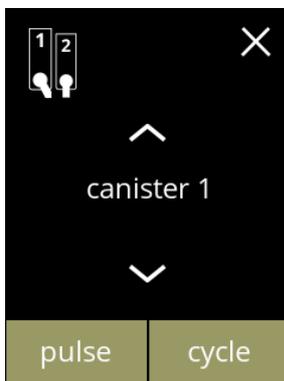
5.1.10c



Canister motor test **Bolero 2:**

- press (or ) to select another output device
- press to select a canister in the next screen
- ▶ *The number of canisters may vary per configuration*

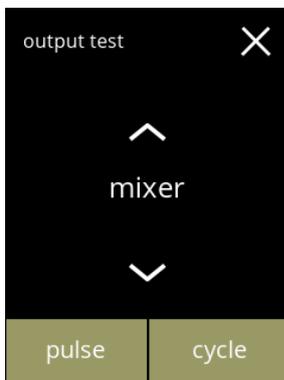
5.1.10d



Canister motor test **Bolero 2:**

- press or to select another canister
- remove the canister(s)
- press ,
- result: the canister motor runs briefly at 20% speed
- press ,
- result: the canister motor runs at 20% speed for 10 seconds

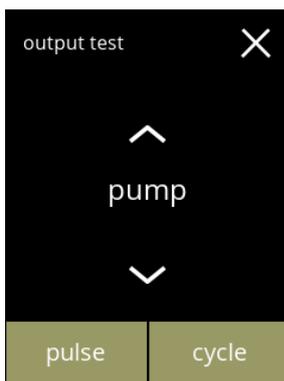
5.1.10e



Mixer motor test:

- press or to select another mixer
- press ,
- result: the mixer motor runs briefly at full speed
- press ,
- result: the mixer motor runs at full speed for 10 seconds

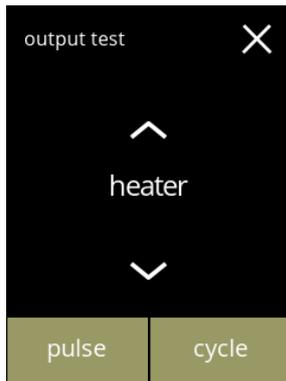
5.1.10f



Low pressure pump test:

- press (or ) to select another output device
- press ,
- result: the pump motor runs briefly
- press ,
- result: the pump motor runs for 10 seconds
- ▶ *The water will not reach the mixing cup.*

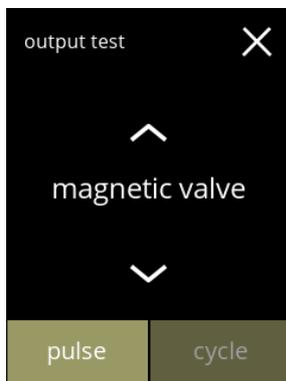
5.1.10g



Heating element test:

- press  (or ) to select another output device
- press **pulse**,  
result: the heating turns on for a moment
- press **cycle**,  
result: the heating turns on for 10 seconds

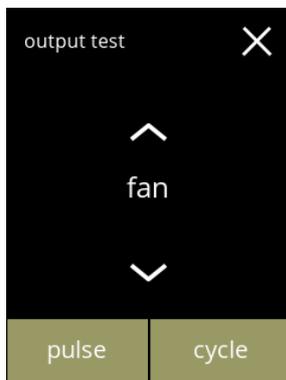
5.1.10h



Magnetic inlet valve test:

- press  (or ) to select another output device
- press **pulse**,  
result: the valve opens for a moment
- ▶ *Do **not** perform the pulse test several times in a row, as this can lead to an overflow of the float tank, for this reason the cycle button is not accessible.*

5.1.10i



Fan motor test:

- press  (or ) to select another output device
- press **pulse**,  
result: the fan motor runs briefly at full speed
- press **cycle**,  
result: the fan motor runs at full speed for 10 seconds

### 5.1.11 Cleaning instructions

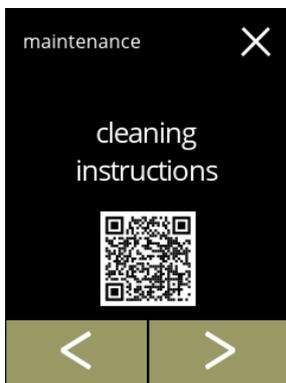
To maintain proper functioning, the Bolero must be cleaned regularly.

Daily	Weekly
<ul style="list-style-type: none"> <li>• drip tray</li> <li>• mixing unit</li> <li>• the outside</li> </ul>	<ul style="list-style-type: none"> <li>• canister(s)</li> <li>• ventilation system</li> <li>• the inside</li> </ul>

► *The cleaning instructions are also available as an animation by scanning the QR code in this menu.*

► *See also section "4. Cleaning" on page 9 for a detailed description.*

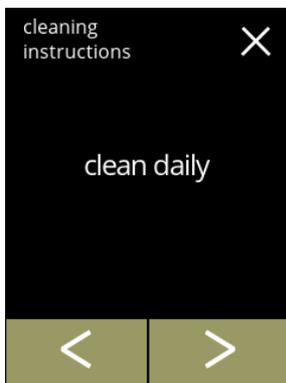
5.1.11



Cleaning instructions

- press '*cleaning instructions*' to confirm or
- press ◀ or ▶ to scroll through the maintenance menu

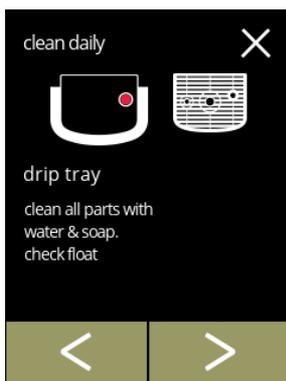
5.1.11a



Daily cleaning instructions:

- press '*clean daily*' to go to the next screen
- *For detailed instruction see section 4.1 on page 9.*
- press ◀ or ▶ to go to '*weekly cleaning*' (5.1.11e)

5.1.11b



Cleaning the drip tray:

- follow the instructions on the screen
- press ◀ or ▶ to select another daily cleaning instruction

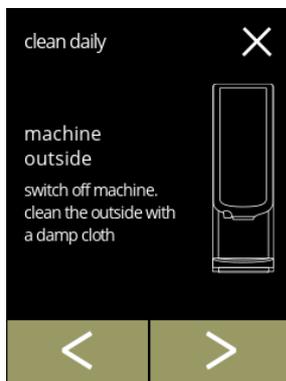
5.1.11c



Cleaning the mixing cups::

- follow the instructions on the screen
- press ◀ or ▶ to select another daily cleaning instruction

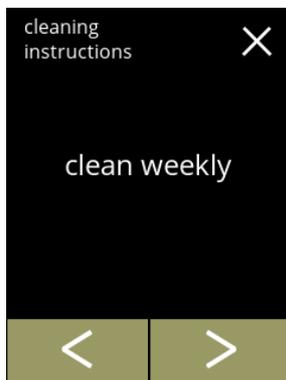
5.1.11d



Cleaning the outside:

- follow the instructions on the screen
- press ◀ or ▶ to select another weekly cleaning instruction

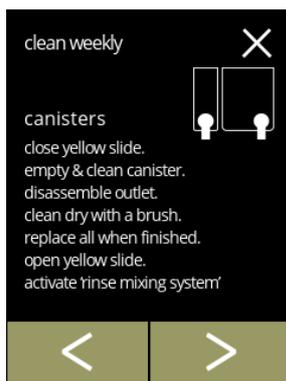
5.1.11e



Weekly cleaning instructions:

- press 'clean weekly' to go to the next screen
  - ▶ *For detailed instruction see section 4.2 on page 11.*
- press ◀ or ▶ to go to 'daily cleaning' (5.1.11a)

5.1.11f



Cleaning the canisters:

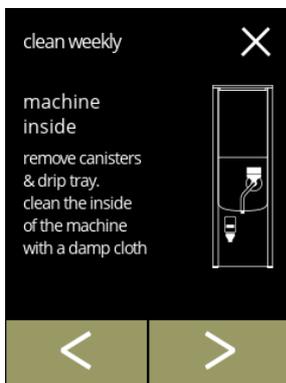
- follow the instructions on the screen
- press ◀ or ▶ to select another weekly cleaning instruction



5.1.11g

Cleaning the fan:

- follow the instructions on the screen
- press ◀ or ▶ to select another weekly cleaning instruction



5.1.11h

Cleaning the inside:

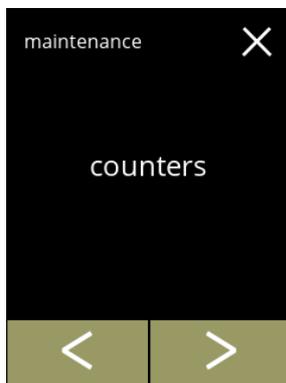
- follow the instructions on the screen
- press ◀ or ▶ to select another weekly cleaning instruction

## 5.1.12 Counters

The Counters tell you how many beverages have been prepared.

A total counter of all issued beverages is also displayed.

If the beverage is removed the counters always remain available in the total counter menu.



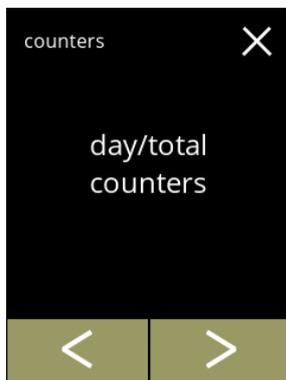
5.1.12

Counters readings.

- press 'counters' to confirm or
- press  or  to scroll through the maintenance menu

► *The counters sub-menu consists of the following:*

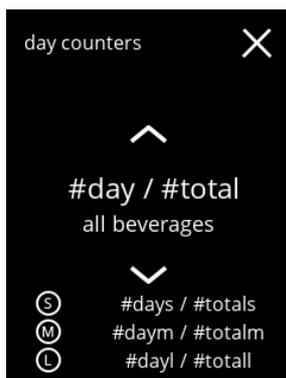
- » day counters 5.1.12a
- » reset day counters 5.1.12c
- » reset all counters 5.1.12g
- » export counters 5.1.12k
- » machine counters 5.1.12o



5.1.12a

Day counters:

- press 'day counters' to confirm or
- press  or  to scroll through the counters sub-menu



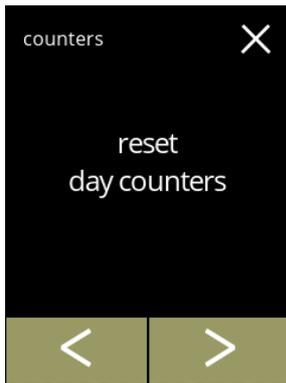
5.1.12b

Day counters per beverage and the total of all beverages:

- press  or  to scroll through all available beverages
- press  to go back

Reset all day counters:

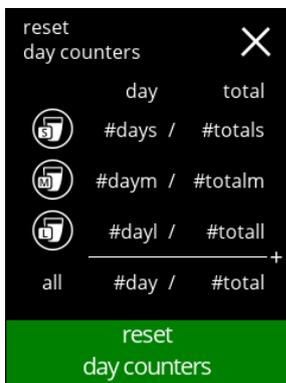
- press 'reset all day counters' to select or
- press  or  to scroll through the counters sub-menu



5.1.12c

Confirmation screen:

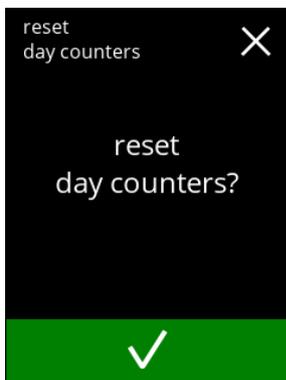
- press  to confirm the reset off all day counters



5.1.12d

Final confirmation screen:

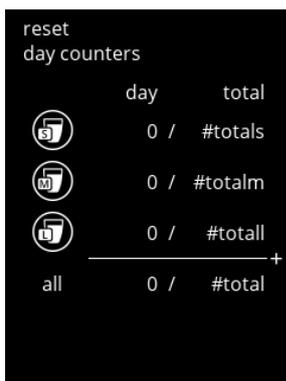
- press  to confirm and continue the reset of all day counters
- press  to cancel and go to the previous screen



5.1.12e

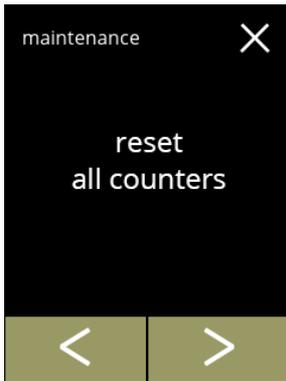
Information screen

- screen 5.1.12c is displayed after a few seconds



5.1.12f

5.1.12g



Total counters:

- press 'total counters' to select or
- press  or  to scroll through the counters sub-menu

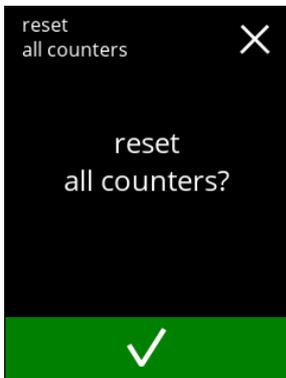
5.1.12h



Information screen:

- press **reset all counters** to confirm the reset off all day counters

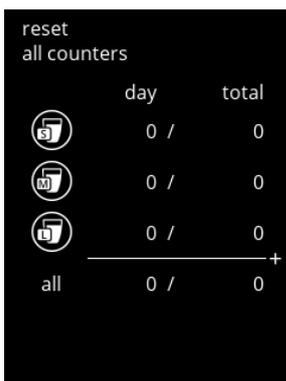
5.1.12i



Final confirmation screen:

- press  to confirm and continue the reset of all counters
- press  to cancel and go to the previous screen

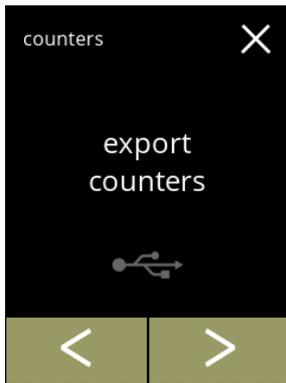
5.1.12j



Information screen

- screen 5.1.12g is displayed after a few seconds

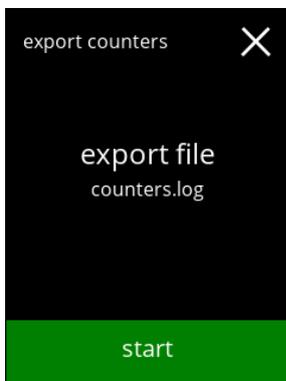
5.1.12k



Export counters:

- place the USB in the USB connector (on the inside of the door)
  - ▶ *If there is no USB stick in the machine the export button is greyed out.*
- press 'export counters' to confirm or
- press ◀ or ▶ to scroll through the counters sub-menu

5.1.12l



Start export counters:

- press **start** to begin the export

5.1.12m



Progress screen

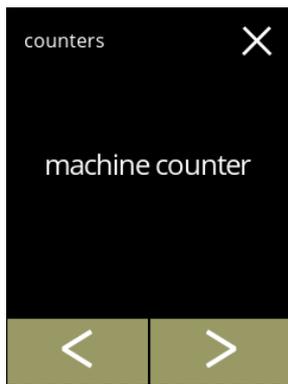
- wait until the process is finished

5.1.12n



Information screens:

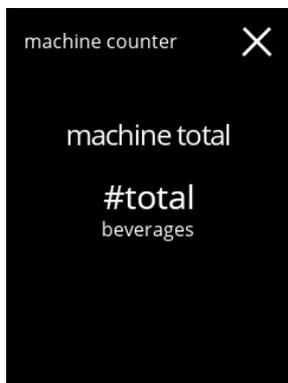
- screen 5.1.12k is displayed after a few seconds



5.1.12o

Machine total counter:

- press '*machine counter*' to select or
- press ◀ or ▶ to scroll through the counters sub-menu



5.1.12p

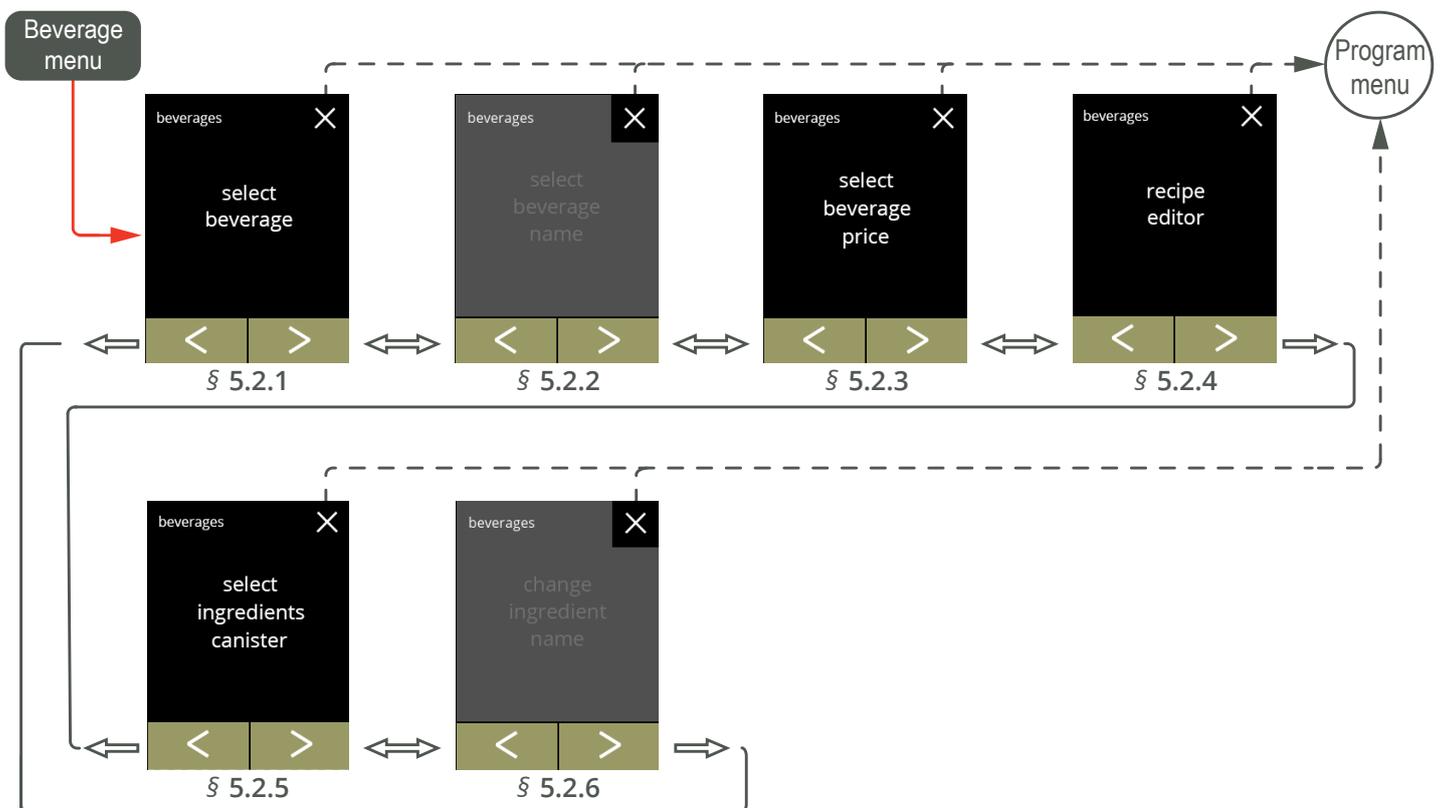
Information screen:

- screen 5.1.12o is displayed after a few seconds

## 5.2 Beverages menu

The beverage menu contains all functions to adjust your beverages to your wishes. Select one of the available options

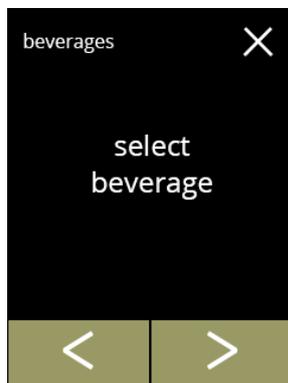
- press **◀** or **▶** to select the next option of the 'beverage menu' or
- press the *'text area'* to select the next level for that menu or
- press **⌫** to go back to section "5. Program menu" on page 13



## 5.2.1 Select beverage

In this menu the available beverages (recipes) can be selected and linked to a beverage position.

The beverage names used underneath are only meant as an example.



5.2.1

Place a beverage recipe in the beverage selection screen:

- press 'select beverage' to confirm or
- press **<** or **>** to scroll through the beverage menu

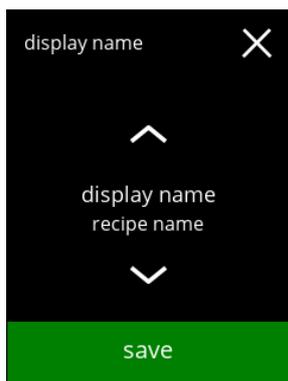


5.2.1a



Available beverages in the beverage selection screen:

- press on a beverage to replace
- press **exit** to accept the current configuration and go back to 5.2.1



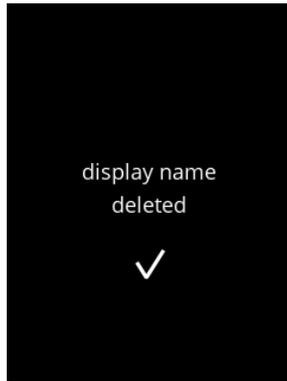
5.2.1b

Replace or delete a beverage on the screen

- ▶ *Delete is active as long as the beverage names are the same.*
- ▶ *Removing a beverage is not an option with the Bolero 1, as at least one drink must be available.*
- press **delete** to remove the beverage (three dots now replace the beverage) or
- press **<** or **>** to select another beverage
- press **save** to replace the beverage

Information screens:

- screen 5.2.1 is displayed after a few seconds

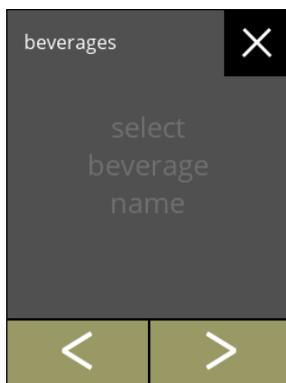


5.2.1c

## 5.2.2 Change beverage name

In this menu the name of the beverage can be changed to a own defined name.

► *This menu item is not yet available*



Change beverage name:

- press '*change beverage name*' to confirm
- press ◀ or ▶ to scroll through the beverage menu

5.2.2

### 5.2.3 Change beverage price

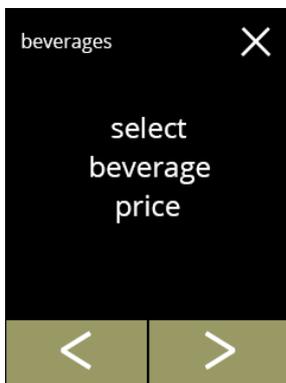
In this menu the price per beverage can be set or modified.

Prices can be a token or a currency.

Price can be set per cup type (cup, mug, decanter).

► *This menu item can be set, but is not effective because the payment software is not yet available "5.3.13 Connected devices" on page 85.*

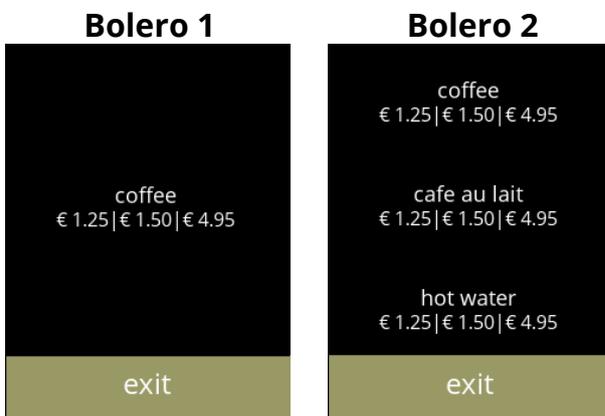
5.2.3



Change beverage price:

- press 'change beverage price' to confirm
  - » Bolero 1: go to 5.2.3b
  - » Bolero 2: go to 5.2.3a
- press or to scroll through the 'Beverage menu'

5.2.3a



Select a beverage:

- press on the beverage to change the prices
- press to accept the current beverage prices and go to 5.2.3

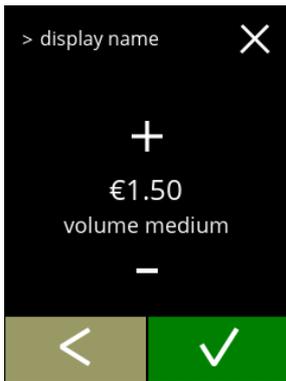
5.2.3b



Adjust the 'volume small' price:

- press or to change beverage volume price
- press and go to the next screen

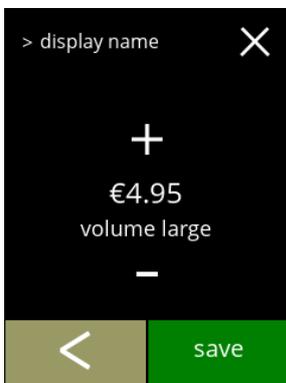
5.2.3c



Adjust the 'volume medium' price:

- press **+** or **-** to change beverage volume price
- press **✓** and go to the next screen

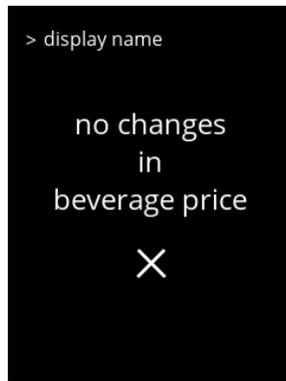
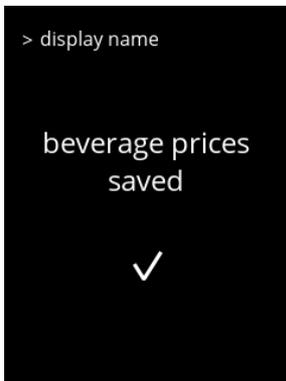
5.2.3d



Adjust the 'volume large' price:

- press **+** or **-** to change beverage volume price
- press **save** to accept all and go to the next screen

5.2.3e



Information screens:

- screen 5.2.3a is displayed after a few seconds

5.2.3f

Example screen prices

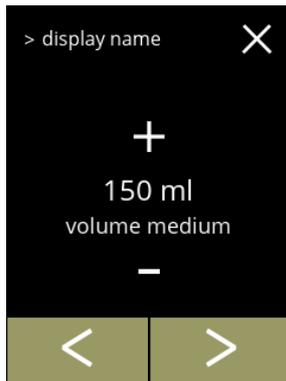


Example screen tokens





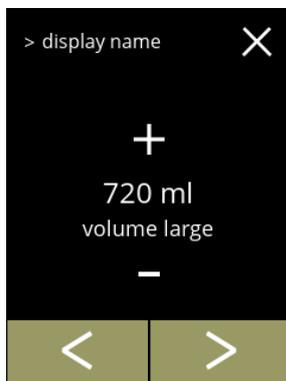
5.2.4c



Adjust the volume (M):

- press **◀** or **▶** to select another volume
- press **⊕** or **⊖** to select the available volume names
  - ▶ *Volume can be set from 0-30ml to 1000ml (recipe dependent)*
- press **✓** to confirm and go to the next screen

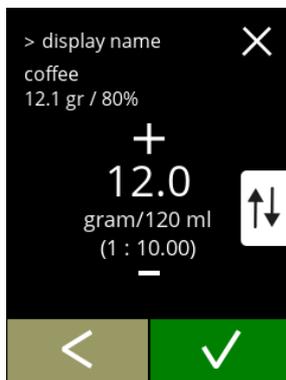
5.2.4d



Adjust the volume (L):

- press **◀** or **▶** to select another volume
- press **⊕** or **⊖** to select the available volume names
  - ▶ *Volume can be set from 0-30ml to 1000ml (recipe dependent)*
- press **✓** to confirm and go
  - » for 'one ingredient beverage' go to the next screen
  - » for 'two ingredients beverages' go to screen 5.2.4h

5.2.4e



**One ingredient beverage**

Strength adjustment:

- ▶ *Use the **↑↓** to switch between ratio and gr/ml*
- press **⊕** or **⊖** to change the ratio ingredient/water
- press **✓** to confirm

5.2.4f



**One ingredient beverage**

Mixer speed adjustment:

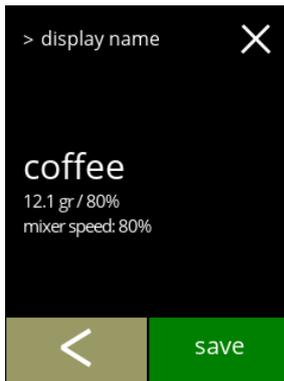
- press **⊕** or **⊖** to change mixer speed
- press **✓** to confirm

### One ingredient beverage

Information screen:

► A summary of the new ingredient settings is displayed.

- press  to go to the previous screen
- press  to confirm and go to 5.2.4m



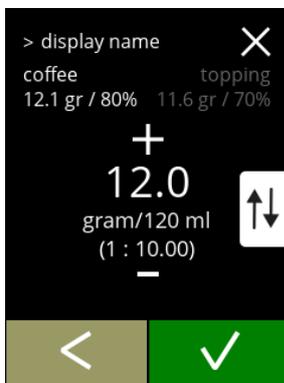
5.2.4g

### Two ingredients beverages

Strength adjustment, first ingredient:

► Use the  to switch between ratio and gr/ml

- press  or  to change the ratio ingredient/water
- press  to confirm



5.2.4h

### Two ingredients beverages

Mixer speed, first ingredient:

- press  or  to change the ratio ingredient/water
- press  to confirm



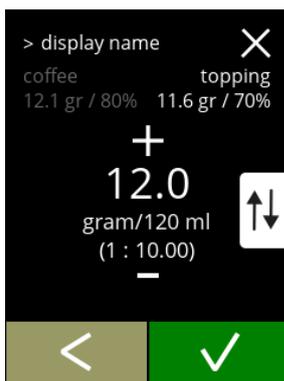
5.2.4i

### Two ingredients beverages

Strength adjustment, second ingredient:

► Use the  to switch between ratio and gr/ml

- press  or  to change the ratio ingredient/water
- press  to confirm



5.2.4j

5.2.4k



### Two ingredients beverages

Mixer speed, second ingredient:

- press **+** or **-** to change the ratio ingredient/water
- press **✓** to confirm

5.2.4l



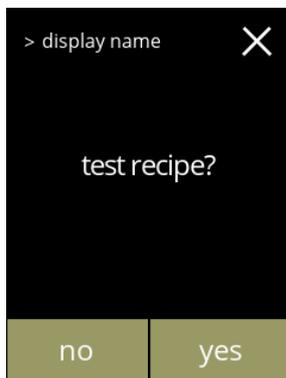
### Two ingredients beverages

Information screen:

► *A summary of the new ingredient settings is displayed.*

- press **←** to go to the previous screen
- press **save** to confirm and go to the next screen

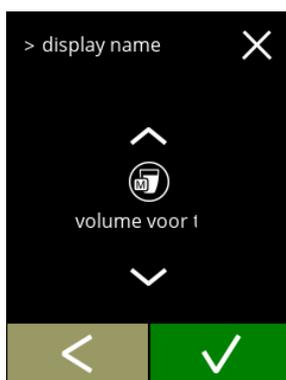
5.2.4m



Test the beverage recipe:

- press 'YES' to go to the next screen
- press 'NO' to go to screen 5.2.4q

5.2.4n



Select a beverage volume to test:

- press **▲** or **▼** to select a volume
- press **✓** to confirm and go to the next screen
- press **←** to go the previous screen

► *Already tested volumes are greyed out and not selectable.*

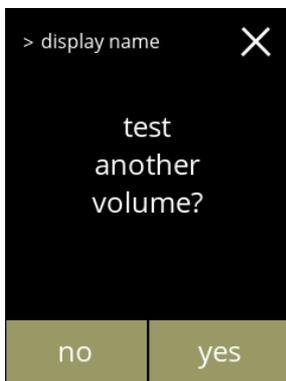
5.2.4o



Control screen:

- check the beverage on strength and volume
- press 'YES' to go to the next screen
- press 'NO' to go to screen 5.2.4e or 5.2.4h

5.2.4p



Test other volumes:

- check the beverage on strength and volume
- press 'NO' to go to to screen 5.2.4q
- press 'YES' to go to screen 5.2.4n

5.2.4q



Information screens:

- screen 5.2.4 is displayed after a few seconds

5.2.4r



Information screens:

- screen 5.2.4a is displayed after a few seconds

## 5.2.5 Select ingredient canisters

Default *instant* ingredients will be available in the machine:

- regular coffee
- espresso coffee
- topping (only Bolero 2)
- cacao
- custom 1, 2, 3 and 4

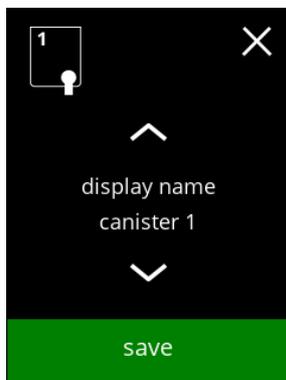
Names of ingredients can be changed in section "5.2.6 Change ingredient name" on page 65.



5.2.5

Select ingredient canister:

- press '*select ingredient canister*' to confirm
  - » Bolero 1 go to next screen
  - » Bolero 2 go to 5.2.5b
- press  or  to scroll through the beverage menu

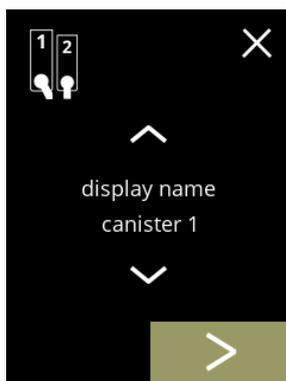


5.2.5a

### Bolero 1

Select the new ingredient

- press  or  to scroll through the available ingredients
- press  to confirm and go to 5.2.5e
  - ▶ *Save is only active if something has changed.*



5.2.5b

### Bolero 2 canister 1

Select a new ingredient:

- press  to select the next canister
- press  or  to scroll through the available ingredients
- press on an ingredient to select and go to the next screen
  - ▶ *Confirm  is only active if something has changed.*

5.2.5c



### Bolero 2 canister 2

Select a new ingredient:

- press **←** to go to screen 5.2.5b
  - press **→** to select the next screen or
  - press **▲** or **▼** to scroll through the available ingredients
  - press on an ingredient to select and go to the next screen
- ▶ *Confirm **✓** is only active if something has changed.*

5.2.5d



### Bolero 2

Control screen:

- ▶ *This screen appears when **✓** or **→** is pressed after the last canister.*
- press **←** to select the previous screen
- press **save** to confirm

5.2.5e



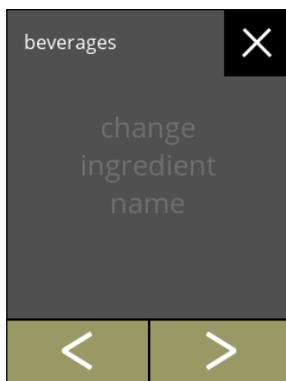
Information screen:

- ▶ *Only if a new ingredient is different to the original one go to "5.2.1 Select beverage" on page 53. The beverages made with the previous ingredient are set to inactive and their names have been replaced by the 3 dots. That's why you have to combine new beverages with the buttons. When this action is completed, the machine will be operational again with the new ingredients.*

## 5.2.6 Change ingredient name

In this menu the name of the ingredient can be changed to an own defined ingredient name.

► *This menu item is not yet available*



Change ingredient name:

- press '*change ingredient name*' to confirm
  - » Bolero 1 go to 5.2.6b
  - » Bolero 2 go to next screen
- press ◀ or ▶ to scroll through the beverage menu

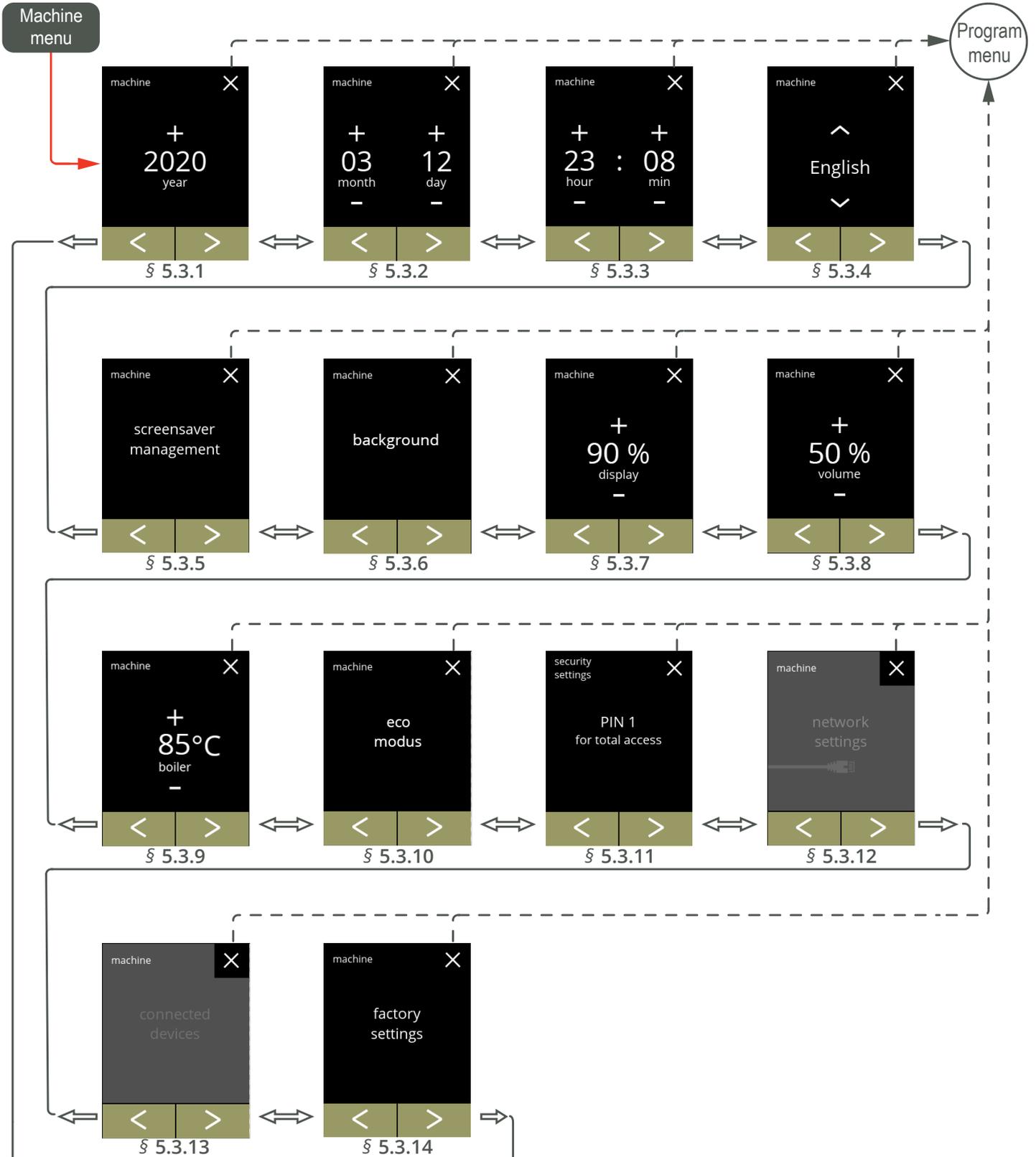
5.2.6

### 5.3 Machine menu

You can programme the machine settings in the this menu.

Select one of the available options

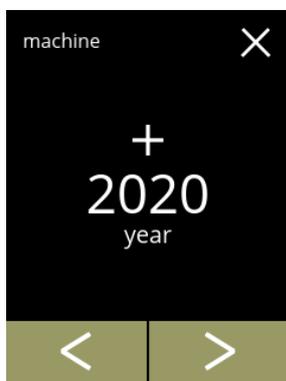
- press **↵** or **⏪** to select the next option of the 'machine menu' or
- press the 'text area' to select the next level for that menu or
- press **⏩** to go back to section "5. Program menu" on page 13



### 5.3.1 Year

Adjust the year.

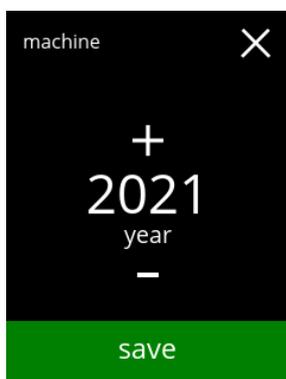
5.3.1



Change the date:

- press **+** or **-** to set the year, month or date
- press **◀** or **▶** to scroll through the machine menu

5.3.1a

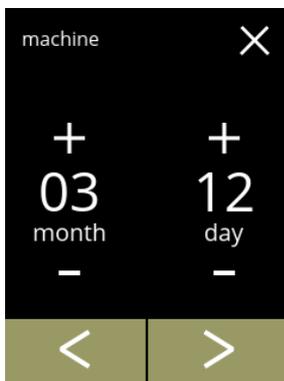


Confirm changes:

- press **save** to confirm
- ▶ *Save is only active if something has changed.*

### 5.3.2 Date

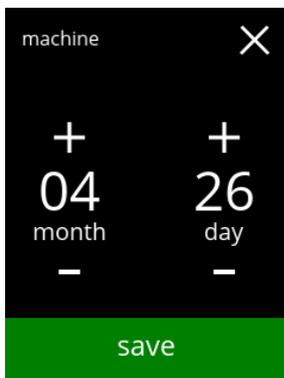
Adjust the day and month.



Change the month and day:

- press **+** or **-** to set the current the month and day
- press **◀** or **▶** to scroll through the machine menu

5.3.2

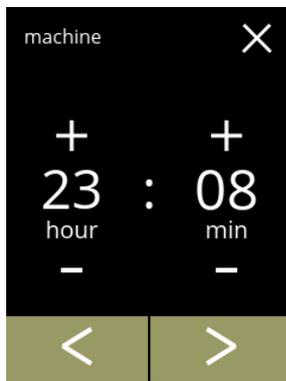


Confirm changes:

- press **save** to confirm
  - ▶ *Save is only active if something has changed.*

### 5.3.3 Time

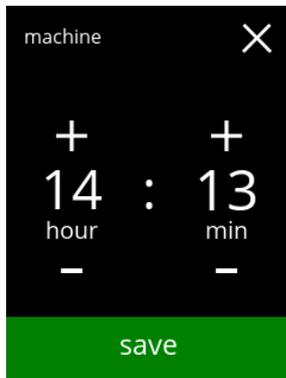
Adjust the time.



Change the time:

- press **+** or **-** to set the current the hour and minutes
- press **<** or **>** to scroll through the machine menu

5.3.3



Confirm changes:

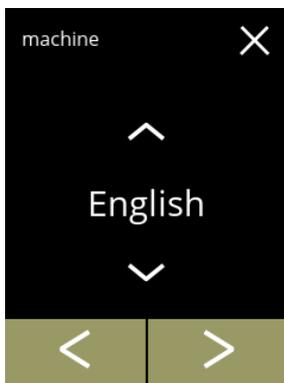
- press **save** to confirm
- ▶ *Save is only active if something has changed.*

### 5.3.4 Language

The available languages are:

- Dutch
- English
- French
- German
- Italian
- Norwegian
- Polish
- Swedish

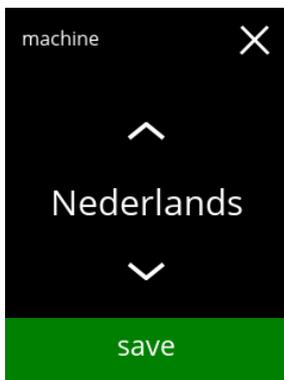
Default: English



5.3.4

Change the language:

- press  or  to scroll through the available languages
- press the language to set as the current language
- press  or  to scroll through the machine menu



5.3.4a

Confirm changes:

- press  to confirm
  - ▶ *Save is only active if something has changed.*

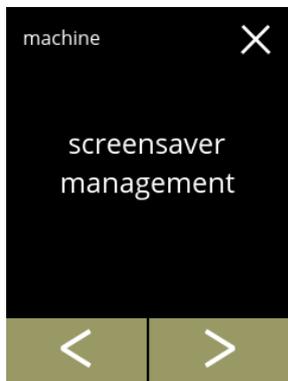
### 5.3.5 Screensaver

In this menu, you can set when the screen saver becomes active.

setting	screensaver
default	15 min.
minimum	1 min.
maximum	90 min.

The screensaver can be set to a own defined screensaver, see section 7.6.1 on page 109.

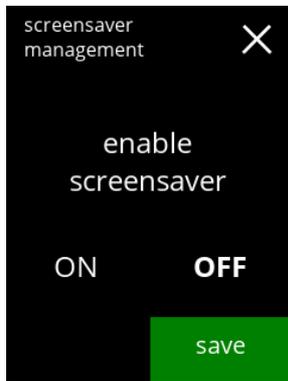
► You can always return to the default screensaver.



5.3.5

Change the screensaver:

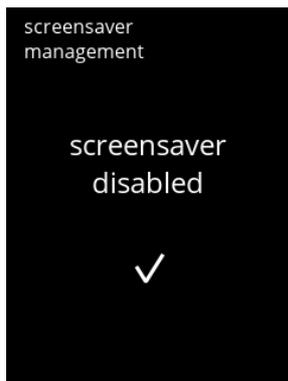
- press 'screensaver' to confirm or
- press  or  to scroll through the machine menu



5.3.5a

Activate/deactivate the screensaver option:

- press 'ON' or 'OFF' to set the screensaver:
  - » select OFF and : go to the next screen
  - » select ON and : go to screen 5.3.5c
- Save is only active if something has changed.

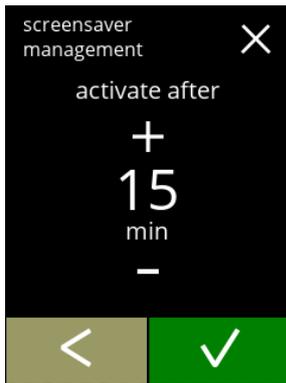


5.3.5b

Information screens:

- screen 5.3.5 is displayed after a few seconds

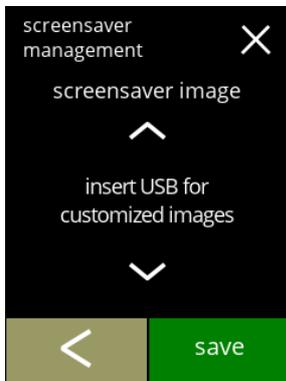
5.3.5c



Set the time when the screensaver becomes active

- press  or  to select the activation time
- press  to confirm

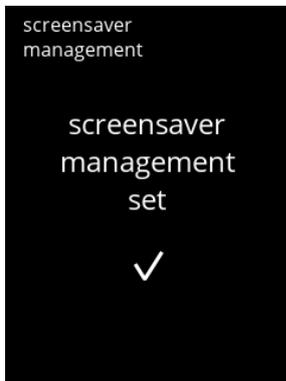
5.3.5d



Change the screensaver image:

- press  to go to the next screen or  
▶ *Insert USB-stick.*
- press  or  to select a custom image
- press  to go to the next screen

5.3.5e



Information screens:

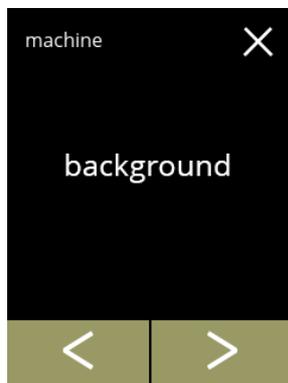
- screen 5.3.5 is displayed after a few seconds

### 5.3.6 Background

In this menu the background of the beverage selection screen can be set. A default background is available in the GUI.

The background can be set to a own defined background, see section 7.6.2 on page 109.

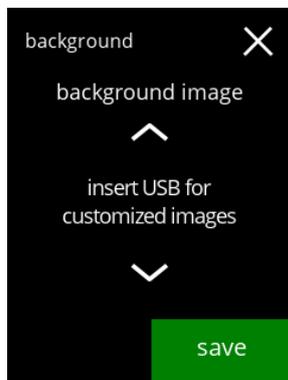
► *You can always return to the default background.*



5.3.6

Change the background:

- press 'background' to confirm or
- press  or  to scroll through the machine menu



5.3.6a

Change the background image:

- press  to go to the next screen or
  - *Insert USB-stick.*
- press  or  to select a custom image
- press  to go to the next screen
  - *Save is only active if something has changed.*



5.3.6b

Information screen:

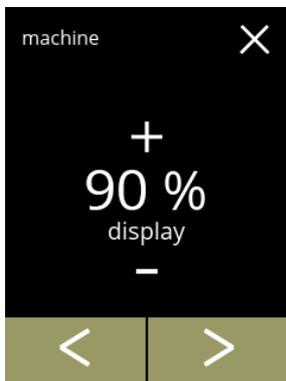
- screen 5.3.6 is displayed after a few seconds

### 5.3.7 Display brightness

The brightness of the display can be increased or decreased in steps of 5%.

setting	brightness
default	90%
minimum	20%
maximum	100%

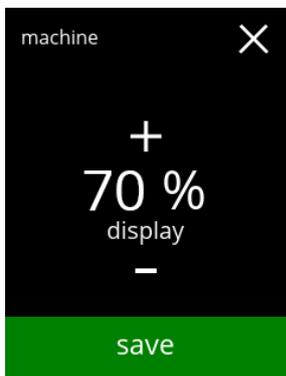
5.3.7



Change the display brightness:

- press **+** or **-** to select a custom image
- press **<** or **>** to scroll through the machine menu

5.3.7a



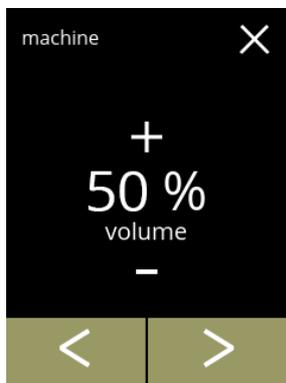
Confirm changes:

- press **save** to confirm
- ▶ *Save is only active if something has changed.*

### 5.3.8 Audio

The volume of the audio feedback can be increased or decreased in steps of 10%.

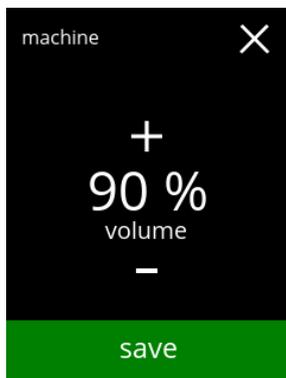
setting	audio volume
default	50%
minimum	0% (OFF)
maximum	100%



5.3.8

Audio feedback volume:

- press **+** or **-** to set the audio volume
  - ▶ *When the audio volume is increased or decreased, a beep is generated in that volume for verification.*
- press **<** or **>** to scroll through the machine menu



5.3.8a

Change the audio volume:

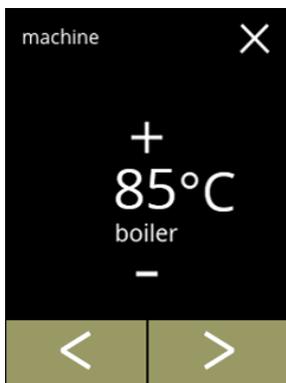
- press **save** to confirm
  - ▶ *Save is only active if something has changed.*

### 5.3.9 Boiler temperature

The temperature is set with an absolute temperature setting in degrees Celsius

setting	temperature
default	85°C
minimum	80°C
maximum	90°C

5.3.9



Change the boiler temperature:

- press **+** or **-** to set the temperature
- press **<** or **>** to scroll through the machine menu

5.3.9a



Confirm changes:

- press **save** to confirm
- ▶ *Save is only active if something has changed.*

### 5.3.10 Energy control (ECO)

After the set time, the Bolero will automatically go into sleep mode. The system becomes active when the screen is touched.

The time of the ECO mode can be set in 6 different timing steps defined in the table below.

1	2	3	4	5	6
Off	15 min.	30 min.	1 hour	2 hours	4 hours

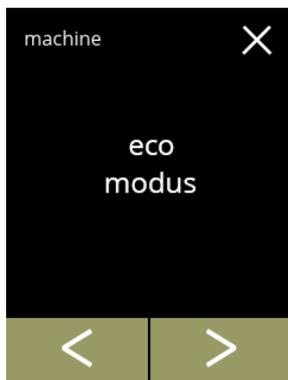
**Default: 2 hours**

When ECO mode becomes active, the following actions are performed:

- water level control            disabled
- boiler heating                    disabled
- backlight display                set to low percentage.
- fan                                    disabled

► *Energy control mode is dominant over screensaver mode*

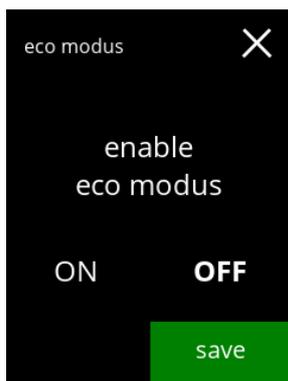
5.3.10



Change the energy control:

- press 'energy control' to confirm or
- press ◀ or ▶ to scroll through the machine menu

5.3.10a



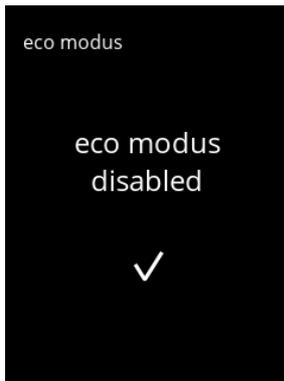
Activate/deactivate the ECO mode option:

- press 'ON' or 'OFF' to set ECO mode
  - » select OFF and **save** or ▶;
  - go to the next screen
  - » select ON and **save**;
  - go to screen 5.3.10c
- *Save is only active if something has changed.*

Information screens:

- screen 5.3.10 is displayed after a few seconds

5.3.10b

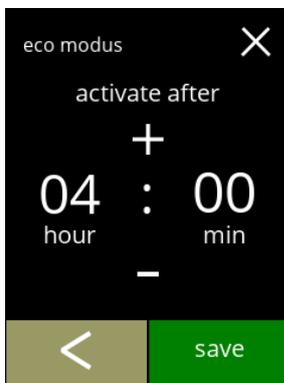


Set the time when the ECO mode becomes active:

- press **+** or **-** to select the activation time
- press **save** to confirm and go to the next screen
- press **<** to go back

► *Save is only active if something has changed.*

5.3.10c



Information screens:

- screen 5.3.10 is displayed after a few seconds

5.3.10d



### 5.3.11 Security settings

In this menu the PIN code settings can be defined.

There are 2 PIN code:

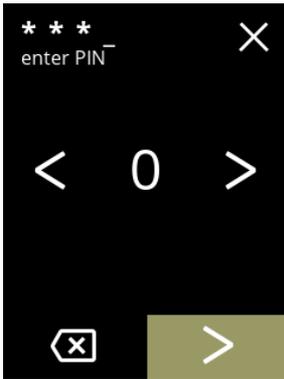
- PIN 1 (general safeguard)
- PIN 2 (specific safeguard)

Section 7.4 on page 121 describes which PIN codes protect which options.

If a PIN code is entered to access the menu, it remains valid until the user leaves the menu again. After 5 minutes of no actions on the machine, the machine automatically leaves the menu and return to the beverage selection screen (with some exceptions like descale e.g.).

5.3.11		<p>Change the security settings:</p> <ul style="list-style-type: none"> <li>• press 'security settings' to confirm or</li> <li>• press ◀ or ▶ to scroll through the machine menu</li> <li>▶ <i>If a PIN code is active, it is indicated on this screen.</i></li> </ul>
5.3.11a		<p>Change the security settings:</p> <ul style="list-style-type: none"> <li>• press 'PIN 1 for total access':             <ul style="list-style-type: none"> <li>» PIN 1 already set: go to screen 5.3.11f or</li> <li>» PIN 1 not yet set: go to the next screen or</li> </ul> </li> <li>• press ◀ or ▶ to go to screen PIN 2 "5.3.11q" on page 83</li> </ul>
5.3.11b		<p>PIN code never entered:</p> <ul style="list-style-type: none"> <li>• screen 5.3.11c is displayed after a few seconds</li> </ul>

5.3.11c

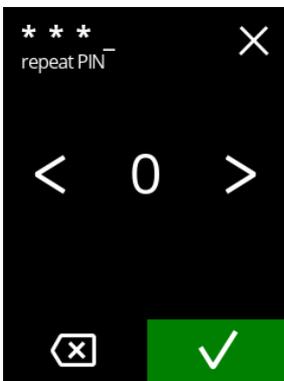


Enter the PIN code:

- press **◀** or **▶** to scroll through the numbers
- press on the number to select
- press **ⓧ** to delete a PIN number, see left corner
- press **▶** if a 4 digit PIN code is entered

▶ *When four numbers are entered the next screen is displayed to verify the PIN code.*

5.3.11d



Verify the PIN code:

- press **◀** or **▶** to scroll through the numbers
- press on the number to select
- press **ⓧ** to delete a PIN number, see left corner
- press **✓** to verify the 4 digit PIN code entered and go to the next screen

▶ *If the PIN code does not match, you will receive another attempt to enter the correct code.*

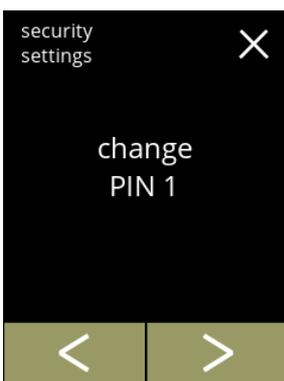
5.3.11e



Information screen:

- screen 5.3.11a is displayed after a few seconds

5.3.11f



Change PIN 1:

- press 'change PIN 1' to confirm and go to the next screen or
- press **◀** or **▶** to go to 5.3.11m (*delete PIN option*)

5.3.11g

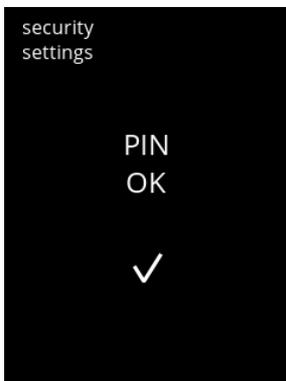


Enter the PIN code:

- press  or  to scroll through the numbers
- press on the number to select
- press  to delete a PIN number, see left corner
- press  to verify the 4 digit PIN code entered and go to the next screen

► *If the PIN code does not match, you will receive another attempt to enter the correct code.*

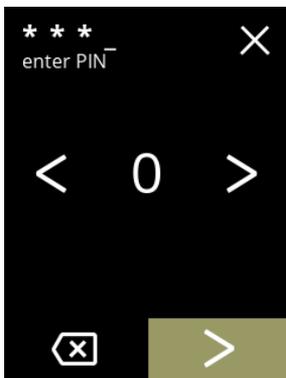
5.3.11h



Information screen:

- the next screen is displayed after a few seconds

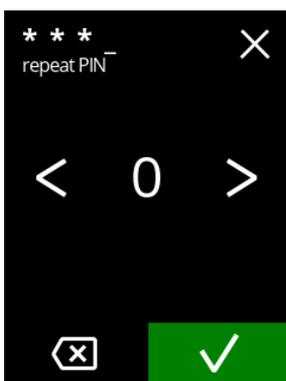
5.3.11i



Enter the new PIN code:

- press  or  to scroll through the numbers
- press on the number to select
- press  to delete a PIN number, see left corner
- press  if a 4 digit PIN code is entered

5.3.11j



Verify the new PIN code:

- press  or  to scroll through the numbers
- press on the number to select
- press  to delete a PIN number, see left corner
- press  to verify the 4 digit PIN code entered and the next screen displayed

► *If the PIN code does not match, you will receive another attempt to enter the correct code.*

Information screen:

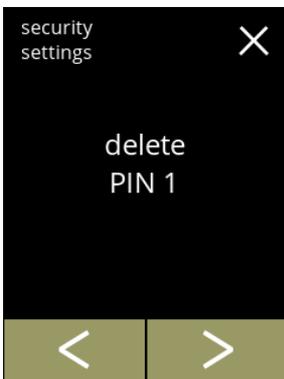
- screen 5.3.11a is displayed after a few seconds



5.3.11k

Delete PIN 1:

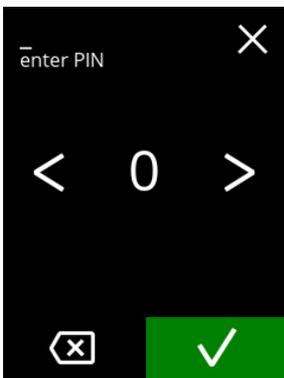
- press 'delete PIN 1' to confirm and go to the next screen or
- press  or  to go to 5.3.11f (*change PIN option*)



5.3.11l

Enter the PIN code:

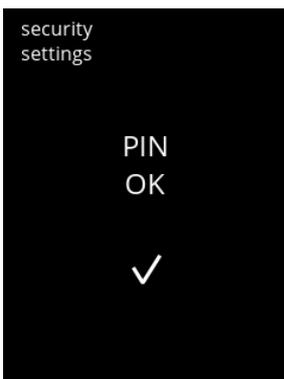
- press  or  to scroll through the numbers
  - press on the number to select
  - press  to delete a PIN number, see left corner
  - press  to verify the 4 digit PIN code entered and go to the next screen
- *If the PIN code does not match, you will receive another attempt to enter the correct code.*



5.3.11m

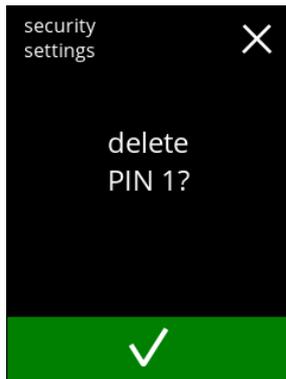
Information screen:

- the next screen is displayed after a few seconds



5.3.11n

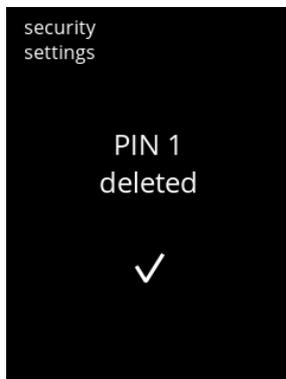
5.3.11o



Confirmation screen:

- press  to cancel or
- press  to confirm and go to the next screen

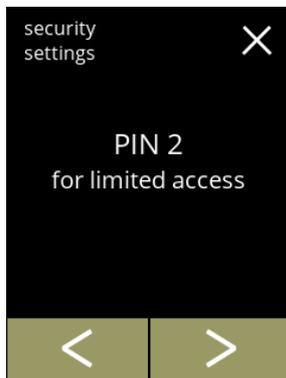
5.3.11p



Information screen:

- screen 5.3.11a is displayed after seconds

5.3.11q



Change the security settings:

- press 'PIN 2 for limited access' to select:
  - ▶ *the screens that follow are the same as PIN 1 (only PIN 1 is replaced by PIN 2 in the screens 5.3.11b up to 5.3.11p)*
- press  or  to go to screen PIN 1 "5.3.11a" on page 79

### 5.3.12 Network settings

In this menu the ethernet as well as wifi (if applicable) settings can be set and modified. This setting can be set or modified with user level 3 or higher.

A DHCP-server (=Dynamic Host Configuration Protocol) checks which IP addresses are available when a device is trying to connect to a network. The first available IP address (at that moment) is assigned to this device.

#### **Ethernet settings**

DHCP can be set to ON or OFF.

When DHCP is ON subjects mentioned below are assigned automatically. They are visible but not editable.

When DHCP is OFF (meaning a static IP-adress needs to be selected) then subjects underneath should be filled in.

IP address (format: 000.000.000.000)

Net mask (format: 000.000.000.000)

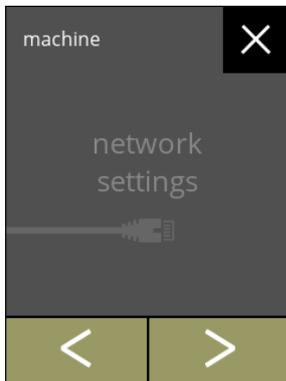
DNS (format: 000.000.000.000)

Gateway (format: 000.000.000.000)

#### **Wifi**

SSID (=Service Set Identifier). SSID gives names to wireless networks. This makes it possible to select a wifi-network from a list. The names will be shown and click to connect. Mostly a password needs to be entered to connect with the network. After the machine is connected to a wifi-network, the procedure is the same as with the Ethernet settings mentioned above.

► *This menu item is not yet available*



Change the network settings:

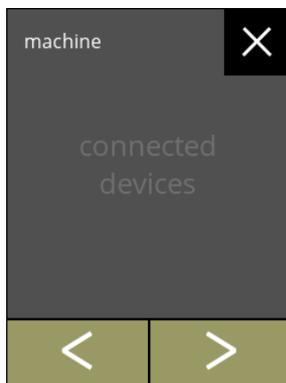
- press 'network settings' to confirm or
  - press ◀ or ▶ to scroll through the machine menu
- *If the machine is not connected the connector is faded out.*

5.3.12

### 5.3.13 Connected devices

In this menu settings of external devices connected to the machine can be set or modified. In case of a connected payment module, the possibility to cancel a beverage can be disabled. Up to 3 payment devices can be connected.

► *This menu item is not yet available*



Change the connected devices:

- press 'connected devices' to confirm or
- press ◀ or ▶ to scroll through the machine menu

5.3.13

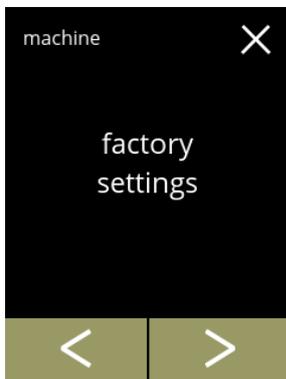
### 5.3.14 Reset to factory settings

A factory reset reverts the machine to how it was manufactured.

Exceptions to the factory reset are:

- Firmware
- Machine counter (only the day and beverage counters are reset)
- Descale counter
- Water filter
- Firmware history

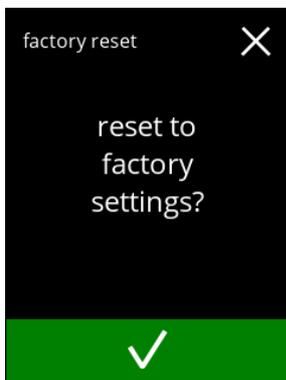
5.3.14



Reset to factory settings:

- press 'factory settings' to confirm or
- press  or  to scroll through the machine menu

5.3.14a



Confirmation screen:

- ▶ *First save the customized data, see section "5.4.5 Export machine settings" on page 94.*
- press  to confirm

5.3.14b



Factory settings were reset.

- the next screen is displayed after a few seconds



- Information screen:
- the machine starts automatically (this takes a while)

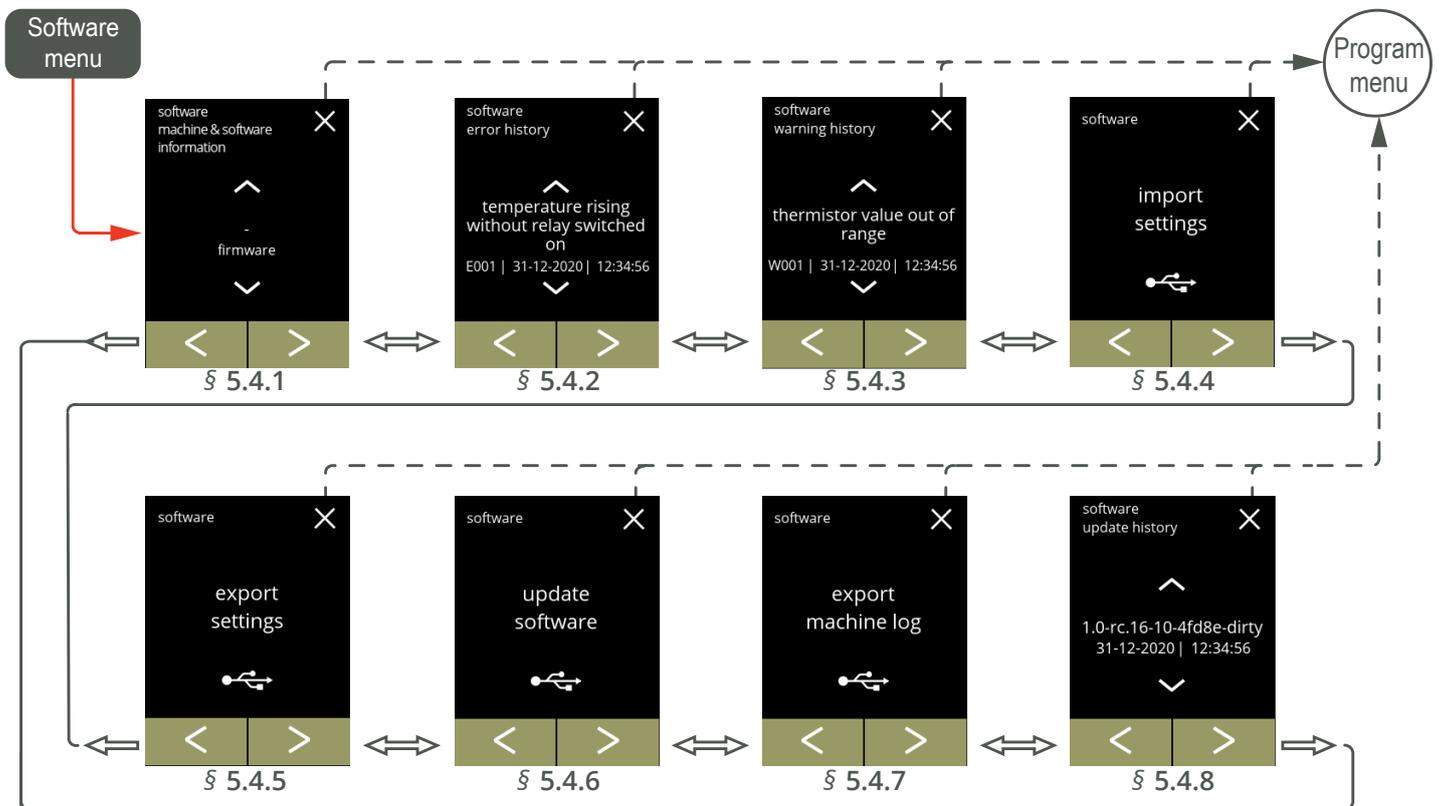
5.3.14c

## 5.4 Software

All firmware related items can be read, set or changed in the software menu.

Select one of the available options

- press **↵** or **⏪** to select the next option of the 'machine menu' or
- press the *'text area'* to select the next level for that menu or
- press **⏩** to go back to section "5. Program menu" on page 13

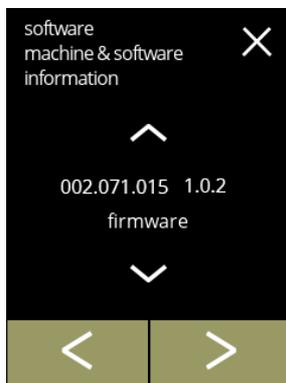


### 5.4.1 Machine & software information

This menu shows information that identifies the machine (article and version number).

You can find the following items/version:

- firmware
- bootloader (HMI)
- application (HMI)
- touchscreen controller
- bootloader (I/O)
- application (I/O)



Information screens:

- press  or  to retrieve the other machine & software information
- press  or  to scroll through the software menu

5.4.1

## 5.4.2 Error history

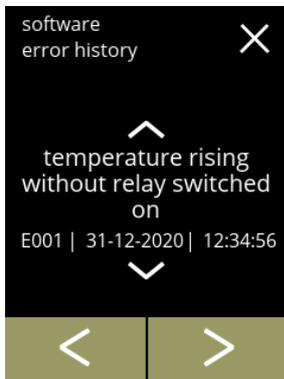
In this menu the error history is shown.

The following error history items are displayed:

- error code
- error message
- date and time

The error log can contain up to 50 errors, the last error code generated is displayed first.

► *An overview of the errors can be found in section "6.2 Errors" on page 104.*



Retrieve the error history:

- press  or  to retrieve the error history
- press  or  to scroll through the software menu

► *The last error code generated is shown first.*

5.4.2

### 5.4.3 Warning history

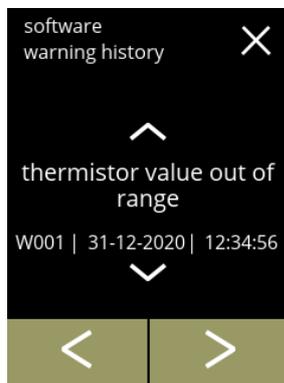
In this menu the warning history is shown.

The following warning history items are displayed:

- warning message
- warning code
- date and time

The warning log can contain up to 50 errors, the last error code generated is displayed first.

► *An overview of the errors can be found in section "6.1 Warning messages" on page 102.*



Retrieve the warning history:

- press  or  to retrieve the warning history
- press  or  to scroll through the software menu

► *The last warning code generated is shown first.*

5.4.3

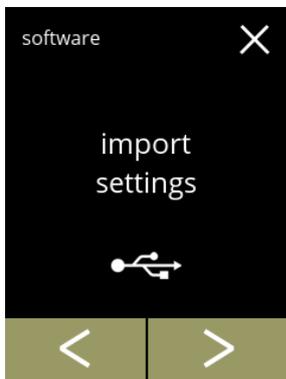
## 5.4.4 Import machine settings

In this menu the settings of another machine (or from the Bravilor factory) can be imported. With settings the following is meant:

- recipes
- machine configuration
- security levels

► *Only if the identities of both machines are the same can the settings be transferred.*

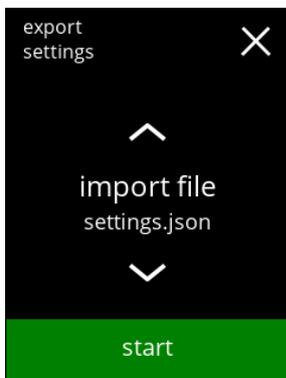
5.4.4



Import machine settings

- press 'import settings' to confirm or
- press **◀** or **▶** to scroll through the software menu

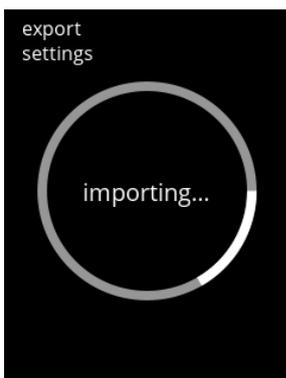
5.4.4a



Import the settings on the current machine:

- press **▲** or **▼** to select a setting file
- press **start** to continue

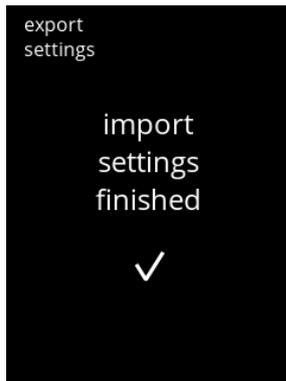
5.4.4b



Progress screen

- wait until the process is finished
- press **cancel** to abort the import

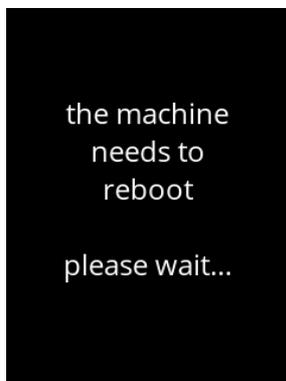
5.4.4c



Information screens:

- screen the next screen displayed after a few seconds

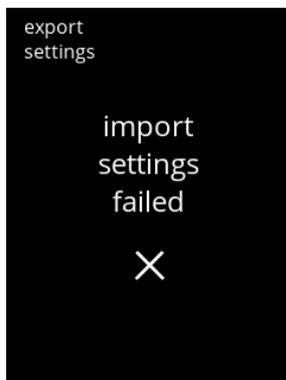
5.4.4d



Information screen:

- the machine starts automatically (this takes a while)

5.4.4e



information screens:

- screen 5.4.4 is displayed after a few seconds

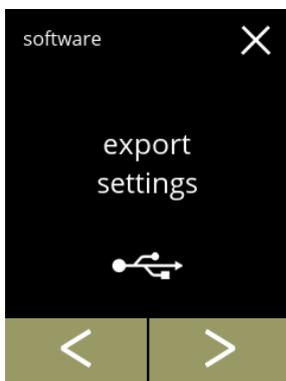
### 5.4.5 Export machine settings

In this menu the machine settings are exported to a file.  
With settings the following is meant:

- recipes
- machine configuration
- security levels
- identity (used to check if the new machine has the same identity)

► *Keep in mind that the security levels of the machine are also copied.*

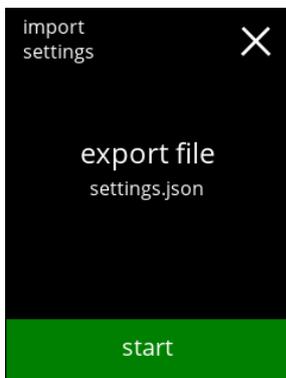
5.4.5



Export machine settings:

- *Insert USB-stick.*
- press 'export settings' to confirm or
- press **◀** or **▶** to scroll through the software menu

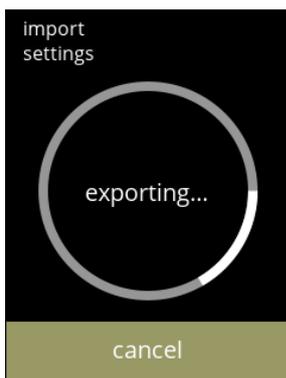
5.4.5a



Export the settings of the current machine:

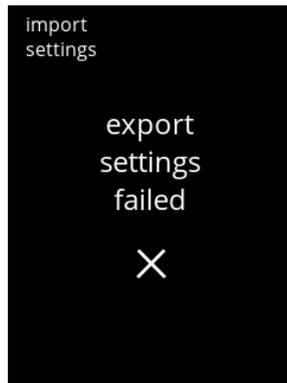
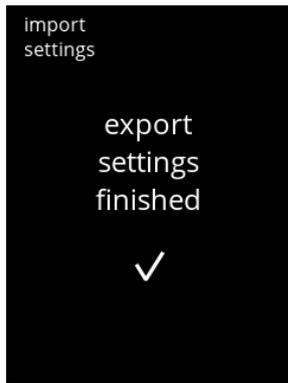
- press **save** to confirm

5.4.5b



Progress screen

- wait for the process to finish



Information screens:

- screen 5.4.5 is displayed after a few seconds

5.4.5c

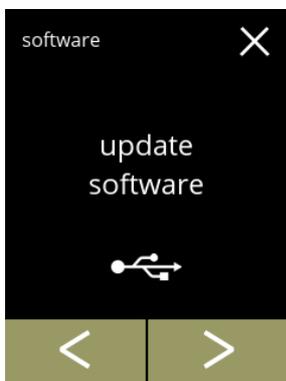
## 5.4.6 Update software

In this menu the software can be updated.

The software (package) can be selected from the usb stick and after selection the package information will be shown.

► *The software can only be updated, a downgrade is not possible.*

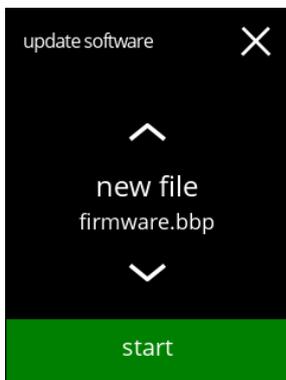
5.4.6



Update the machine software:

- *Insert USB-stick.*
- press 'update software' to confirm or
- press  or  to scroll through the software menu

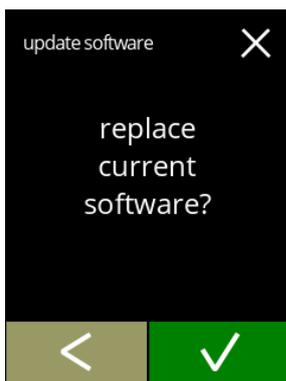
5.4.6a



Select the file to update the software:

- *Insert USB-stick.*
- press  or  to select a file
- press  to confirm

5.4.6b

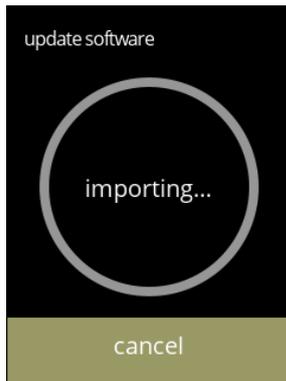


Confirmation screen:

- *Be aware that your current firmware will be overwritten.*
- press  to confirm
- press  to go to the previous screen

Progress screen

- wait until the process is finished



5.4.6c

Information screen:

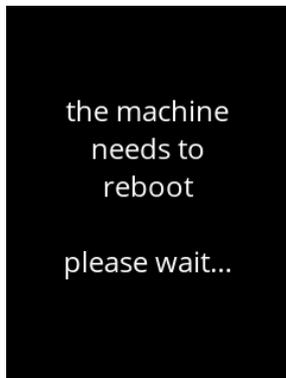
- the next screen is displayed after a few seconds



5.4.6d

Information screen:

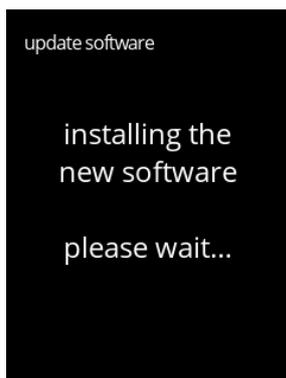
- the machine starts automatically (this takes a while)
- the next screen is displayed automatically



5.4.6e

Information screen:

- the beverage selection screen is displayed when the software is installed



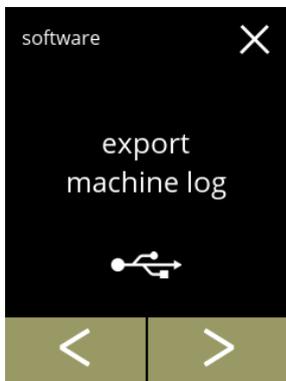
5.4.6f

### 5.4.7 Export machine log

In this menu the machine log is exported to a file.

The report consists of dispense counters (free and paid), warning and error messages.

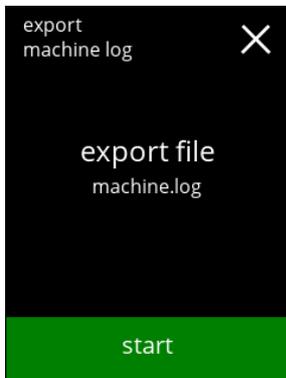
5.4.7



Export machine log files

- ▶ *Insert USB-stick.*
- press 'export machine log' to confirm or
- press **◀** or **▶** to scroll through the software menu

5.4.7a



Export the log file of the machine:

- press **save** to confirm

5.4.7b



Progress screen

- wait until the process is finished



Information screens:

- screen 5.4.7 is displayed after a few seconds

5.4.7c

### 5.4.8 Update history

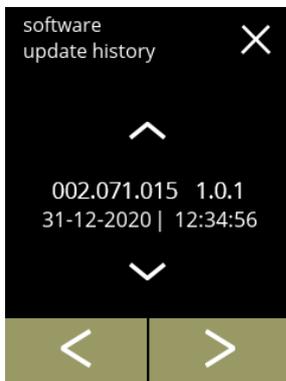
In this menu software history is shown.

The following software history are shown with item number, version, date and time:

- product software (HMI)
- I/O board software
- touch software
- Wifi/Bluetooth
- bus devices (if they are connected)

The last updated version is shown first.

The update log can contain up to 50 items, the last update is shown first.



Information screens:

- press  or  to retrieve the update history
- press  or  to scroll through the software menu

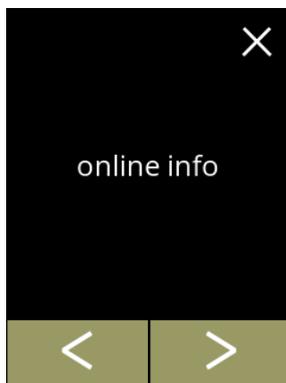
5.4.8

## 5.5 Online info

Online information can be approached via the QR code shown on the screen.  
Select one of the available options

- press **<** or **>** to select the next option of the 'machine menu' or
- press the 'text area' to select the next level for that menu or
- press **✕** to go back to section "5. Program menu" on page 14

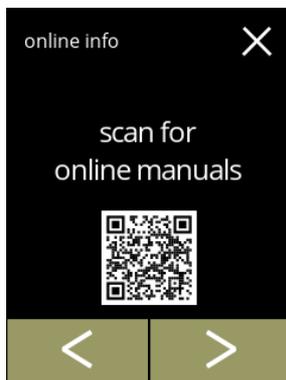
5.5.1



Online information:

- press 'online info' to confirm or
- press **<** or **>** to scroll through the machine menu

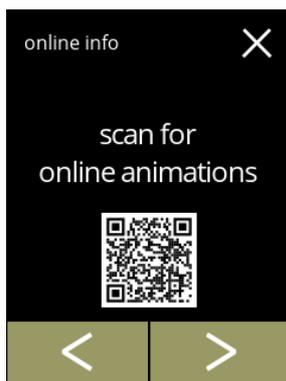
5.5.1a



Online manuals:

- press **<** or **>** to scroll through the available QR codes
- scan the QR code to get the latest online manual(s)

5.5.1b



Online animations:

- press **<** or **>** to scroll through the available QR codes
- scan the QR code to get the latest online animation(s)

## 6. Messages and errors

### 6.1 Warning messages

Warning messages pop-up when an warning is detected by the machines operating system. Warnings can be cleared by user input or can be recovered by itself and then the warning message will disappear by itself.

The warnings can be found in section "5.4.3 Warning history" on page 91

A total of 50 errors can be logged by the Bolero for technical support. When the error log is full the first error will be overwritten.

Example display for warning messages



6.1a

Message	Description	Reset condition
W001	temperature sensor out of range	logging
W002	temperature too high	logging
W003	temperature not rising while relay engaged	logging, pop-up, cancellation
W004	canister motor not detected.	logging, pop-up, cancellation
W005	<i>Not used</i>	-
W006	mixing cups must be rinsed	logging, pop-up, cancellation
W007	machine must be descaled soon	pop-up, cancellation
W008	machine must be descaled now	logging, pop-up
W009	water filter must be changed soon	pop-up, cancellation
W010	water filter must be changed now	logging, pop-up
M011	payment device connection successful	logging, pop-up, automatic cancellation
W012	payment device connection failed	logging, pop-up, automatic cancellation
M013	Ethernet connection successful (IP address visible)	logging, pop-up, automatic cancellation

<b>Message</b>	<b>Description</b>	<b>Reset condition</b>
W014	Ethernet device connection failed	logging, pop-up, automatic cancellation
M015	WIFI connection successful (IP address visible)	logging, pop-up, automatic cancellation
W016	WIFI connection failed	logging, pop-up, automatic cancellation
M017	bluetooth connection successful	logging, pop-up, automatic cancellation
W018	bluetooth device connection failed	logging, pop-up, automatic cancellation
W019	<i>Not used</i>	-
W020	contact your dealer for preventive maintenance	a message that shows up when 'relay life' is almost over

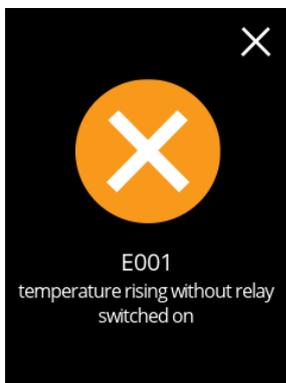
## 6.2 Errors

The error state disables all functional outputs and enables all safety outputs to the related brewer and report the error to the Error Log and the user interface.

The errors can be found in section "5.4.2 Error history" on page 90.

A total of 50 errors can be logged by the Bolero for technical support. When the error log is full the first error will be overwritten.

Example display for errors



6.2a

Error	Description	Most suspected components
E001	Temperature rising without relay switched on.	Relay contacts are sticking
E002	Temperature sensor out of range within certain time.	If the temperature sensor (NTC) measures a value that outside its range (0 Ohm or infinity Ohm)
E003	Magnetic valve open without selection.	Fill up 3 times without selection for dispensing machines without manual tap. If this valve is activated without a recipe button is pressed there is probably a leakage in the water system or the water in the boiler is boiling.
E004	Temperature not rising while relay engaged.	Relay defective Wiring issue in heater circuitry Heating element defective Thermistor not mounted correctly
E005	Not available.	-
E006	Water supply failure.	Floater defect or water supply not active.
E007	<i>Not used.</i>	-
E008	Communication error bus systems.	There is constant communication during machine start-up and during use. If communication is impossible.

Error	Description	Most suspected components
E009	Pump motor rotates too slow or does not rotate at all.	The pump motor is rotating during machine start-up and during use. The light sensor detects no or too little pulses.
E010	Mixer motor not detected.	No connection or motor damage.
E011	Canister motor runs insufficiently.	Too heavy motor control (current) to the canister motor.
E012	Coin mechanism missing.	-
E013	Coin mechanism defective.	-
E014	Coin mechanism blocked.	-
E015	Coin mechanism sabotaged.	-
E016	Communication error coin mechanism.	-
E017	Coin mechanism general error	-
E018	Error in cashless device.	-
E019	Communication error cup detection.	-
E020-E025	<i>Not used.</i>	-
E026	Contact your dealer for necessary maintenance	A message that shows up when Relay life is over. Replace I/O-board.

## 7. Appendix

### 7.1 Filter information and water hardness

setting	very soft	soft	average	moderate	hard
°dH	0 - 4	4 - 8	8 - 12	12 - 18	18 - 30
°fH/°TH	0 - 7	7 - 15	15 - 22	22 - 32	32 - 54
°e / Clark	0 - 5	5 - 10	10 - 15	15 - 23	23 - 38
mmol/l	0 - 0.72	0,72 - 1.43	1.43 - 2.15	2.15 - 3.22	3.22 - 5.37
descale	2000 l.	1500 l.	1000 l.	500 l.	250 l.

► The capacity of a water filter depends of the of the type and hardness of the water locally.

► See section 5.1.6 on page 31 to set the water hardness.

### 7.2 Door switch functionality



When the door opens the safety switch is activated and a message is shown.

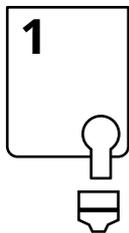
The following hardware will become inactive:

- All mixers
- All canisters
- Boiler
- Bravilor Bus devices which are connected to the 24V safety.

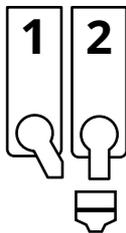
► When the door switch is activated during dosing of a beverage, the dosing is canceled and the mixer cup is cleaned by a post flush.

### 7.3 Basic configurations per machine

**Bolero 1**



**Bolero 2**



## 7.4 PIN code security settings

The table below lists the available menu options associated with the PIN codes.

Menu	Accessible	
	PIN 1	PIN 2
machine information	yes	yes
reading counters	yes	yes
exchange water filter	yes	yes
cleaning instructions	yes	yes
descale	yes	yes
rinsing	yes	yes
update software	-	yes
import settings	-	yes
export settings	-	yes
update history	-	yes
export log	-	yes
reset to factory settings	-	yes
calibration pump	-	yes
calibration canister	-	yes
I/O test	-	yes

- ▶ *Menu items secured by PIN codes will be greyed out.*
- ▶ *See section 5.3.11 on page 79 to set the PIN codes.*

## 7.5 Special functions

By using a 'secret key combination' special features can be activated.

### 7.5.1 Cancel beverage on/off

- see section "5.3.13 Connected devices" on page 85.

► Reason of this feature is that the customer can choose if the beverage can be cancelled or not when a payment system is connected.

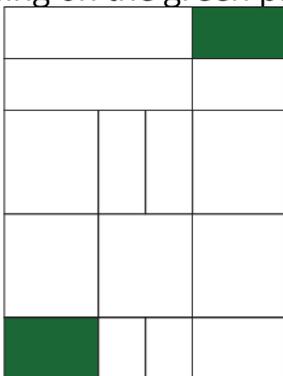
### 7.5.2 Quick rinse

- By pressing the S M L on the beverage selection screen for 5 seconds the quick rinse is immediately activated with 90 ml (hot water).



### 7.5.3 Demo mode on/off

- By pressing on the green parts simultaneously for 10 seconds the demo mode is activated.



► The demo mode is a function which can be enabled for marketing purposes.

## **7.6 How to create media files**

### **7.6.1 Screensaver**

### **7.6.2 Background**

