

Bolero 43 D

OPERATING MANUAL



Firmware: V1.0.0 **HMI: V1.0.0**

Model-no:

• BLR43-013



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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.

The original instructions for this manual have been written in English. Other language versions of this manual are a translation of the original instructions. For this reason, the instructions are merely a guideline for the installation, maintenance and repair of the machine shown 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.



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1. General

- ► Always read the safety instructions (700.403.347). To avoid possible damage, these safety instructions must be read, understood and followed.
- ► Manuals are subject to change, scan the QR code to retrieve current information.

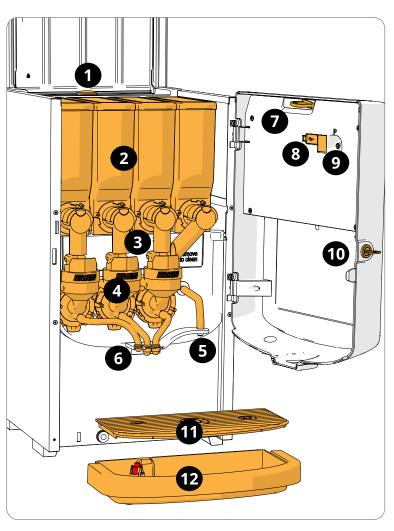


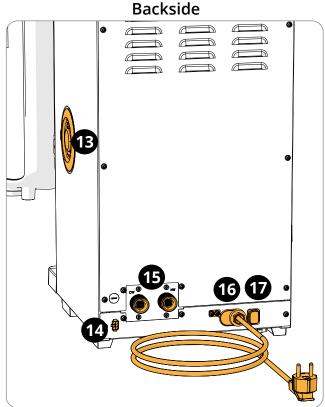
2. Parts and functions

2.1 Parts

- 1. descaling cap
- 2. canisters
- 3. canister outlet
- 4. mixing system
- 5. hot water outlet
- 6. beverage outlet
- 7. safety key
- 8. USB connection
- 9. programming button

- 10. door-key
- 11. drip tray plate
- 12. drip tray with float
- 13. ventilation system
- 14. connection interface cable
- 15. water inlet (CW+HW)
- 16. electrical connection
- 17. on/off switch







2.2 Optional water 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 §6.1.3 on p.26.

2.3 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.

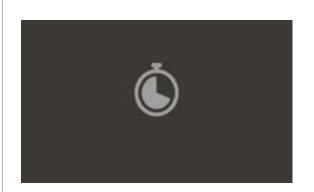
controls	function
< >	navigate between screens
start	tart an action
✓	confirm (not saved yet)
save	save adjustments
X cancel	cancel
< > ^ ~	browse the available options on a screen
# 6	increase and decrease

- ► All screen shots in this manual are in English.
- ► The beverages, recipes and settings used are only examples.



3. Start up

▶ The Bolero can display different screens, depending on the model of the Bolero.



Initialisation.

wait for the next screen

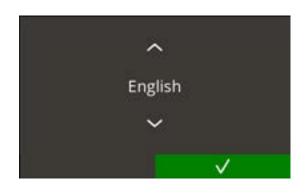
За



Machine information.

- after a few seconds the next screen will appear depending the status of the machine:
- ► First install already completed, the next screen is 3i.

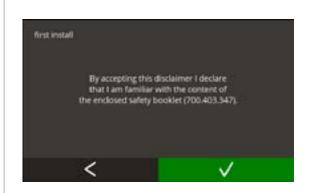
3b



Installation, select your language:

- press
 or
 to scroll through the available languages
- press **v** to confirm
 - ► The installation menu is only shown when the machine is switched on for the first time or is switched on after the factory settings have been reset, see §6.3.13 on p.98.

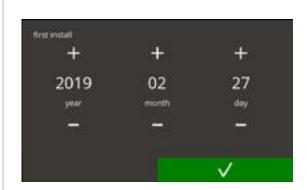




Read the safety book!

- press **v** to confirm

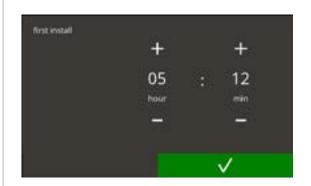
3d



Set the current date:

- press
 or
 to set the current year, month and day
- press **v** to confirm

3e



Set the current time:

- press
 • or
 • to set the current the hour and minutes

3f



Information screen:

- fill the canisters with ingredients according to the instructions on the screen
 - ► Only use ingredients that are suitable for vending machines.
- press **v** to confirm
 - ► The values can be changed in the beverage menu, see §6.2.6 on p.74.

3g

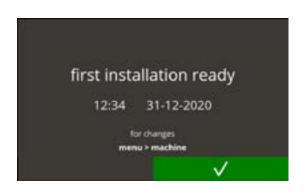




Information screen

- press **v** to confirm
- ► Calibration is essential for a correct dosage of the ingredients and can be done in the maintenance menu, see §6.1.7 on p.35.

3h



Information screen:

- press **v** to confirm
- ► The date, time and language can be changed in §6.3 on p.78.

3i



Filling information.
• wait for the next screen

3j



Information screen - heating up:

• wait for the next screen





• It is now possible to configure the machine to meet IDDSI requirements.

31



4. Your beverage

If you press the image of a beverage, it will be prepared immediately. If you want to personalise the drink, select one of the icons in fig. <u>4.1a</u>, then press the drink of your choice.

4.1 Personalise your beverage

► These settings are used in preparing a personal beverage and are not saved.



Selecting a beverage:

- touch the beverage of your choice
 - ► When the **Solution** buttons are visible at the bottom of the screen, it means that more than one beverage screen is available.

4.1a



Options

liquid flow rate:

- press one of the buttons to select the beverage liquid flow rate.
 - ► Use IDDSI instruction tester card (700.403.899)

4.1b



Preparing a beverage (step 1):

- please wait
 - ► An optional icon (to the left of the circle) is an indication that a hot beverage is being prepared.





Preparing a beverage (step 2):

► Let the beverage rest for a few seconds, then stir for proper thickness.

Caution!

► Always check the thickness of the beverage before drinking (use IDDSI instruction tester card 700.403.899).

The thickness of the beverage must always be checked by a trained person.

Do not drink without supervision.

4.1d

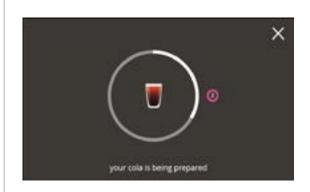
4.2 Cancelling instant related beverages

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

The cancel button **\Bigsi** 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 §6.3.12 on p.96 When a beverage is cancelled, the mixer continues to run for a few seconds to clean the mixing system.

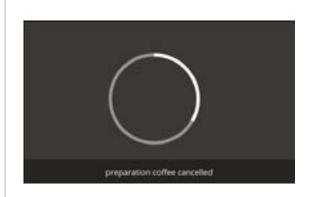
Hot water is stopped immediately.



Cancel a beverage:

 touch anywhere on the screen to cancel the beverage

4.2a



Information screen:

• this screen is displayed to indicate the beverage has been cancelled.

4.2b



4.3 Screensaver

If the screen has not been touched for a certain time, the screensaver starts. The screensaver timer can be set in §6.3.4 on p.82.



Screensaver:

 touch anywhere on the screen to return to the beverage selection screen

4.3a

4.4 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 energy-saving mode becomes active, the following actions are performed:

water level control disabledboiler heating disabled

backlight display set to low percentage

• fan disabled



The energy control consist out of a (customised) screensaver with a symbol as semi transparent overlay.

The energy-saving mode has priority over the screensaver.

- 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.



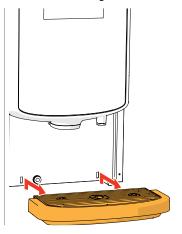
5. Cleaning

It is important that the Bolero is kept clean, what can be cleaned (period depending on pollution):

Daily	Weekly	Monthly
start rinsing programm for the mixing system,	drip tray	ventilation system
<u>§6.1.1 on p.17</u>	mixing system	canister(s)
	the outside	

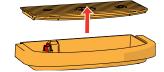
- ▶ Never clean parts of the Bolero in the dishwasher, only if this is explicitly stated.
- ► Do not use any aggressive cleaning agents.

5.1 Weekly cleaning



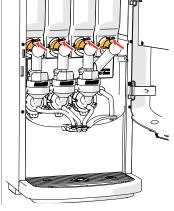


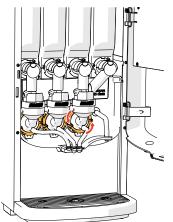
- 1. pull the complete drip tray forward
- 2. empty the drip tray
- 3. clean the drip tray (including grid), using hot soapy water
- 4. dry everything and place them back in place
- ► Check whether the "red float" is still in place.

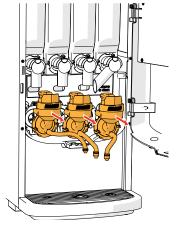


Mixing system:

- 1. open the door and lid
- 2. close the "yellow" slider of the canister outlets

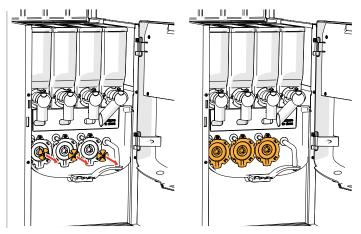




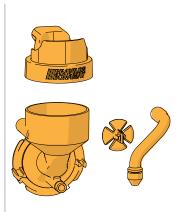


- 3. turn the fixation ring counter-clockwise
- 4. remove the complete mixing system

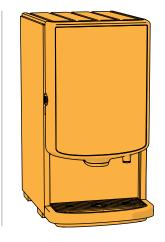




- 5. remove the mixer
- 6. clean the indicated parts, using a damp cloth



- 7. clean the removed parts (dishwasher proof (<65°C))
- 8. remount the mixing system in reverse order
- ► Pay attention to the flat sides of the shaft and the mixer.
- 9. reconnect the hose to the mixing system and the outlet
- 10. replace the ingredient canister(s) in the 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 §6.1.1 on p.17

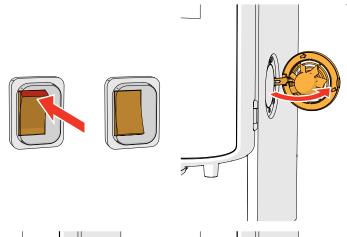


The outside:

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

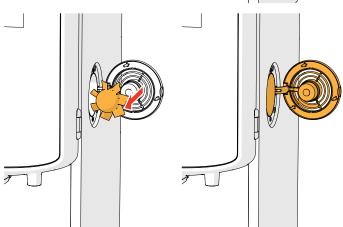


5.2 Monthly cleaning



Ventilation system:

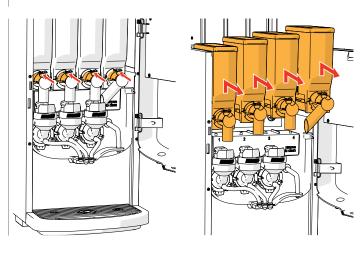
- 1. switch off the machine
- 2. open the fan to the back



- 3. carefully pull the rotor of the motor
- 4. clean the fan housing and grid, using a *damp* cloth

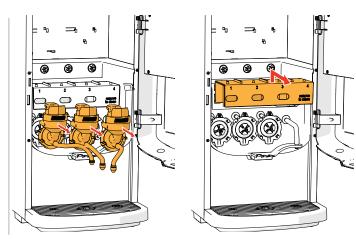


- 5. clean the fan rotor, using *hot soapy water*
- 6. dry everything and place the rotor back in place

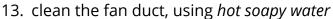


- 7. open the door and lid
- 8. close the "yellow" slider of the canister outlet(s)
- 9. take the canister(s) out of the machine

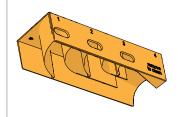




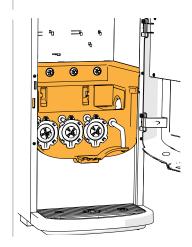
- 10. turn the fixation ring counter-clockwise
- 11. remove the complete mixing system
- 12. remove the fan duct



► Be aware that everything has been dried very well.

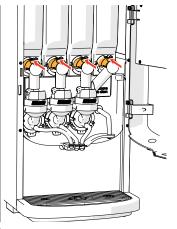


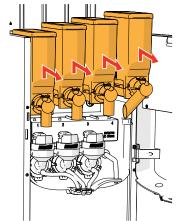
- 14. clean the inside of the machine with a damp cloth
- 15. replace the fan duct
- 16. return the canister(s) to their correct position
- 17. open the "yellow" slide of the canister(s)
- 18. close the lid and door



► 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 §6.1.1 on p.17

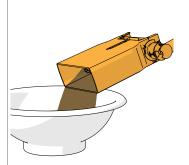






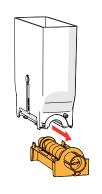
Canister(s):

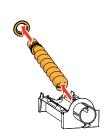
- 1. open the door and lid
- 2. close the "yellow" slider of the canister outlet(s)
- 3. take the canister(s) out of the machine

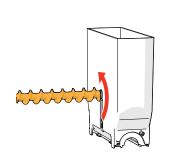


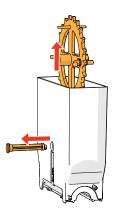


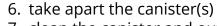
- 4. pour the ingredients in a dry bowl
- 5. unlink the outlet from the canister



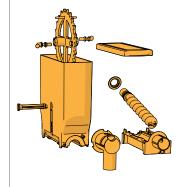








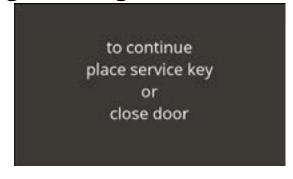
- 7. clean the canister and outlet with a brush
- ▶ Do **not** use water to prevent the ingredients from clumping and clogging the canister.
- 8. refill the canister(s)
- 9. replace the canister(s) in its/their correct position
- 10. open the "yellow" slider of the canister(s)
- 11. close the lid and 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 $\S6.1.1$ on p.17



6. Programming menu



To access the programming menu:

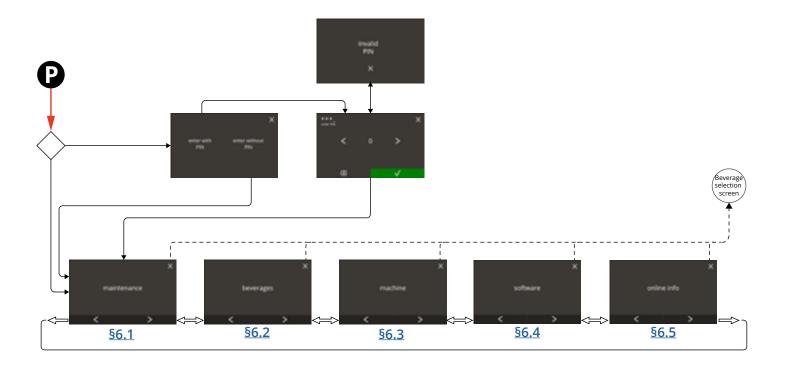
- open the door of the Bolero this message appears on the screen
- insert the service key (no. 7 on p.1)
- press the programming button (no. 9 on p.1)

► All screen shots in this manual are in English.

In the programming menu select one of the available options:

- press **I** or **I** to select the next option of the "programming menu"
- press the "text area" to select the next level for that menu
- press

 to exit the programming 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 §8.3 on p.122.
 - ▶ If no button is pressed within 5 minutes, the Bolero returns to the beverage selection screen.



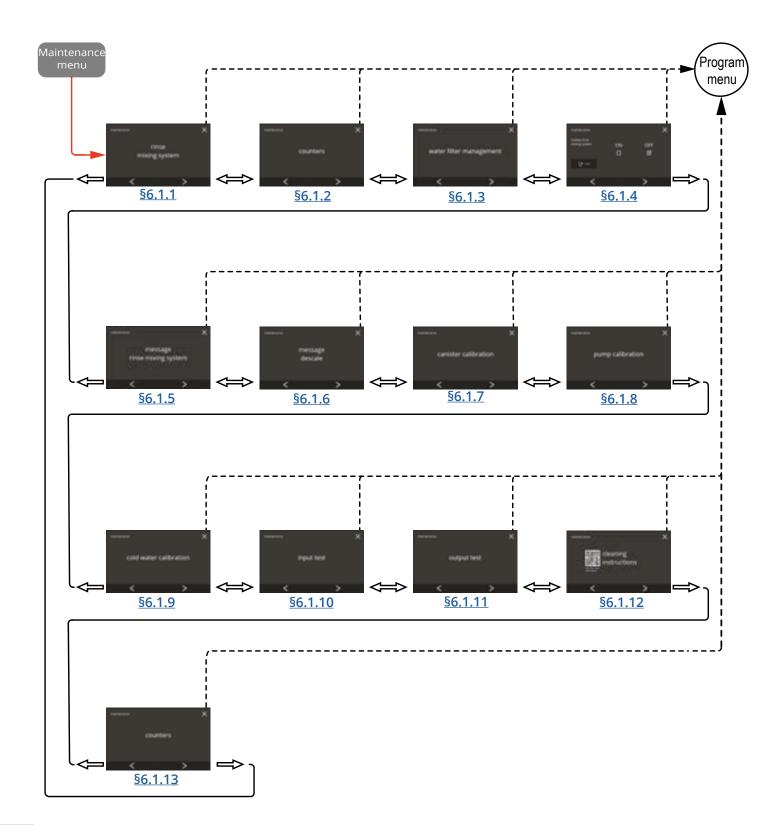


6.1 Maintenance menu

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

Select one of the available options:

- press **I** or **I** to select the next option of the maintenance menu
- press the "text area" to select the next level for that menu
- press \(\mathbb{Z}\) to go back to chapter 6. Programming menu on p.15.





6.1.1 Rinse the mixing system

To maintain the correct functioning of the Bolero, the mixing system must be rinsed daily and cleaned weekly, see §5 on p.10.

This procedure rinses the mixing systems and the outlet hoses.

Necessities:

container (1 litre)



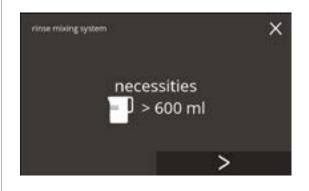
The rinsing procedure:

- press "rinse mixing system" to select
- press

 or

 to scroll through the maintenance menu

6.1.1



Information screen:

- make sure all necessities are available
- press

 to go to the next screen
 - ► The quantity varies per machine
 - » 2 mixing systems: ±420 ml
 - » 3 mixing systems: ±630 ml

6.1.1a



Information screen:

- place an empty container under the beverage outlet

6.1.1b





Start rinsing:

• press start to begin the rinsing

6.1.1c



Rinsing:

- wait for the process to finish
 - ► Hot water from the outlet
- press cancel to abort

6.1.1d

Information screens:

• screen 6.1.1 is displayed after a few seconds





6.1.1e



6.1.2 Descale

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

Necessities:

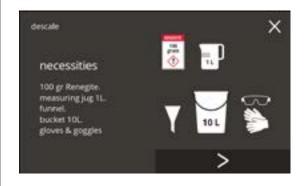
- descale agent (recommended: "RENEGITE", our proven descaling agent)
- measuring jug (1 litre)
- funnel
- bucket (10 litre)
- average time: ± 40 minutes
- safety gloves and goggles
 - ► The descaling process cannot be interrupted after screen <u>6.1.2c!</u>



The descaling procedure:

- press "descale" to select

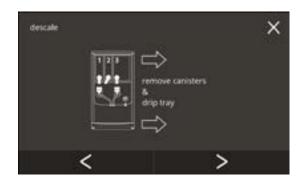
6.1.2



Preparation:

- make sure all necessities are available
- press
 to go to the next screen

6.1.2a



Preparation:

- follow the instructions on the screen
- press

 to go to the next screen



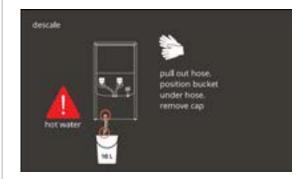


Information screen:

- average length of time

- ► The descaling process cannot be interrupted after this screen!

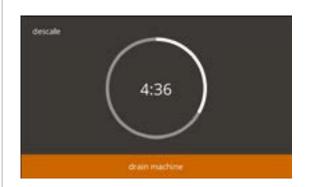
6.1.2c



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

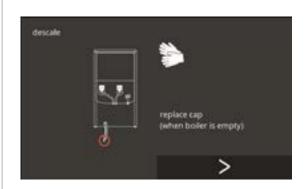
6.1.2d



Draining the machine:

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

6.1.2e



Close the hose:

- follow the instructions on the screen
- press

 to go to the next screen

6.1.2f





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

6.1.2g



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).

6.1.2h



Preparation:

- follow the instructions on the screen
- - ► Wear safety gloves and safety goggles.
- ► Do not leave the machine unattended while a descaling solution is in the machine.

6.1.2i



Start descaling:

• press start to begin the descaling

6.1.2j





Descaling:

- ► 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

6.1.2k



Descaling:

 the boiler is heating up, wait for the next screen

6.1.21



Descaling:

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

6.1.2m



Descaling - warning screen:

- wait for the next screen
- ► Hot water with descaling solution will come out of the outlets.

6.1.2n

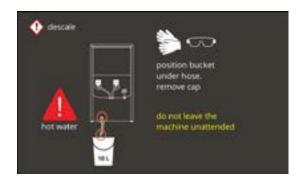




Descaling:

- wait for the next screen
 - ► Hot water with descaling solution flows out all of the outlets.

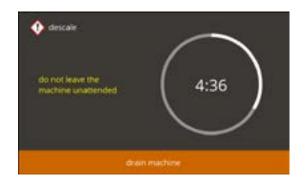
6.1.20



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

6.1.2p



Descaling - draining:

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

6.1.2q



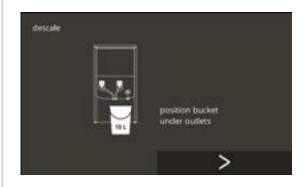
Descaling - draining:

- follow the instructions on the screen
- press

 to go to the next screen
- ► Remove and empty the bucket.

6.1.2r





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

6.1.2s



Descaling - rinse:

• the boiler is filling, wait for the next screen

6.1.2t



Descaling - rinse warning screen:

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

6.1.2u

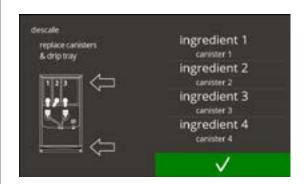


Descaling - rinsing:

• wait for the next screen

6.1.2v

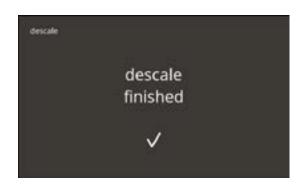




Descaling - ending:

- follow the instructions on the screen

6.1.2w



Information screen:

• screen <u>6.1.2</u> is displayed after a few seconds

6.1.2x



Warning screen interrupted descaling process:

• press resume to continue the procedure where it was interrupted and to finish the descaling process

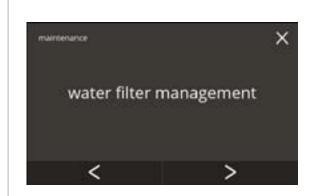
6.1.2y



6.1.3 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 lime-scale deposits and reduces impurities in the water. The Bolero also does not need to be descaled so often, see §8.1 on p.121. Additionally, it ensures a consistent quality of the hot beverage in both taste and aroma.

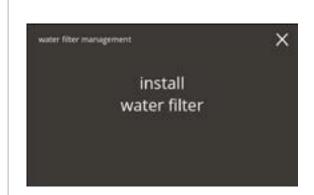
water filter settings	default	minimum	maximum
capacity (litre)	OFF	100	10000
months shelf life	OFF	1	24



Install, replace or remove the water filter:

- press "water filter management" to select
 - » water filter already installed go to screen 6.1.3c
 - » water filter not yet installed, go to the next screen

6.1.3



Installing:

- press "install water filter" to select
- ► Read the instructions that come with the filter.

6.1.3a



Confirmation screen:

- install the water filter (conform its instructions)
- press **v** to confirm and go to screen <u>6.1.3f</u>

6.1.3b

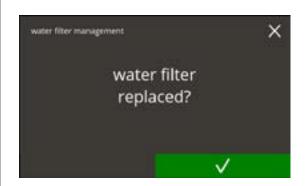




Replacing:

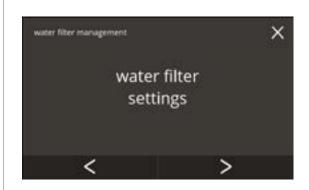
- press "replace water filter" to select and go to the next screen
- - » water filter settings (6.1.3e)
 - » uninstall water filter (6.1.3h)

6.1.3c



Replace the water filter (according to its own instructions).

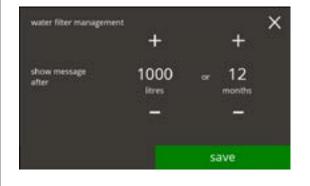
6.1.3d



Set notification:

- press "water filter settings" to select and go to the next screen
- - » uninstall water filter (6.1.3h)
 - » replace water filter (6.1.3c)

6.1.3e



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 shown.
- ► When replacing a water filter, the previous values are set and save is shown immediately.
- press

 or

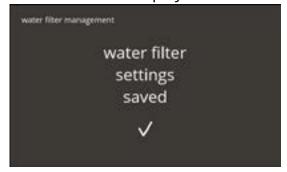
 when the message should appear
 - ► Both values are required
- press save to confirm

6.1.3f



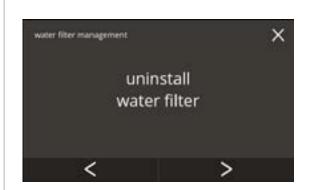
Information screens:

• screen 6.1.3 is displayed after a few seconds





6.1.3g



Permanent removal:

- press "uninstall water filter" to select and go to the next screen
- - » replace water filter (6.1.3c)
 - » water filter settings (6.1.3e)

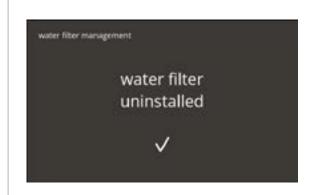
6.1.3h



Uninstall the water filter:

- physically remove the water filter
- press **v** to confirm

6.1.3i



Information screen:

• screen <u>6.1.3</u> is displayed after a few seconds

6.1.3j



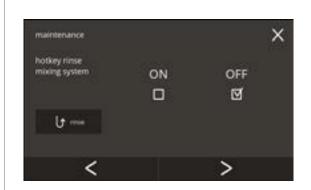
6.1.4 Hot-key rinsing function

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 hot-key on the screen. In this menu it is possible to put the hot-key rinsing function active or inactive in the beverage selection screen.

Default: OFF

► To use the hot-key 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.

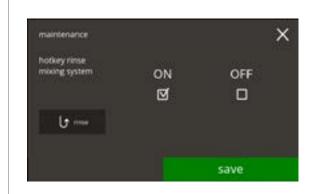




Availability of hot-key:

- press "ON" to make the hot-key visible
- press
 ✓ or
 ✓ to scroll through the maintenance menu

6.1.4



Setting the hot-key:

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

6.1.4a



6.1.5 Cleaning management

The message to rinse the mixing units appears **at least once a day** and/or after a set number of cups, whichever comes first. It is possible to select the time of day at which this daily message will be displayed. You can also set the number of cups after which the message should appear. If set to zero, the message will only appear once a day.

If a number of cups is set **not** to zero then the message about rinsing the mixer units will

If a number of cups is set **not** to zero then the message about rinsing the mixer units will appear as a pop-up directly after this number of cups is reached.

The message blocks further beverage dispensing, only after the rinsing of the mixing units are the beverages released again (see $\S 6.1.5x$).

Default: 25 cups



Cleaning management

- press "message rinse mixing system" to select

6.1.5



Set cups or day:

- press or set the number of cups or once a days after which the warning should pop-up
- press

 to confirm and go to the next screen

6.1.5a



Set the timer:

- press
 • or
 • to set the hour and minutes
- press save to confirm and go to the first screen of 6.1.5c

6.1.5b



Information screens:

• screen <u>6.1.5</u> is displayed after a few seconds





6.1.5c



Blocking message

• press "start" to the rinsing procedure, see §6.1.1a on p.17



6.1.6 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)

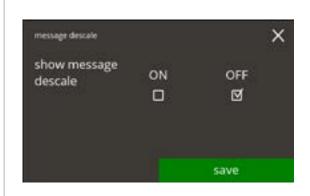
See also <u>§8.1 on p.121</u>.



Descale management

- press "descale management" to confirm

6.1.6



Descale message:

- press "ON" or "OFF" to set the message
 - » select OFF and save: go to the next screen
 - » select ON and **▼**: go to screen 6.1.6c

6.1.6a

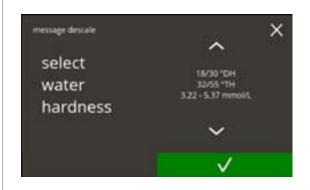


Information screen:

• screen <u>6.1.6</u> is displayed after a few seconds

6.1.6b

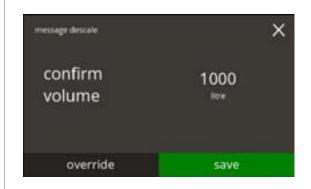




Water hardness:

- - ► 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 6.1.6g
 - » select 0/4 °DH; press ▼ to confirm and go to the next screen

6.1.6c



Volume override:

- press save to confirm and go to screen 6.1.6h
- press override to adjust the volume for the notification and go to the next screen
 - When a water filter is used the volume can be adjusted.

6.1.6d



Increase maximum standard volume:

- press **■** or **■** to set the volume
- press save to confirm and go to the next screen
- press default 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-scale to build up.

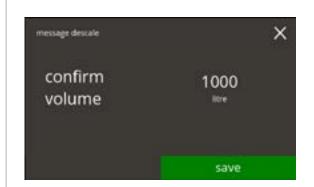
6.1.6e



Information screen:

• screen <u>6.1.6</u> is displayed after a few seconds





Standard volumes/water hardness:

• press save to confirm and go to the next screen

6.1.6g



Information screen:
• screen <u>6.1.6</u> is displayed after a few seconds

6.1.6h



6.1.7 Canister calibration

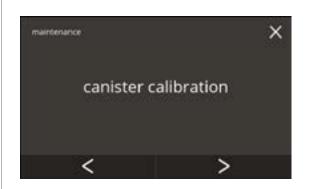
In this menu the canisters can be calibrated.

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

When finished the measured weight must be filled in.

Necessities:

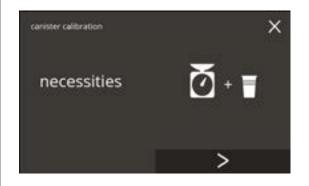
- empty cup
- precision scale



Canister calibration procedure:

- press "canister calibration" to confirm
- press **I** or **I** to scroll through the maintenance menu

6.1.7



Make sure all necessities are available.

• press **≥** to go to the next screen

6.1.7a



Canister selection:

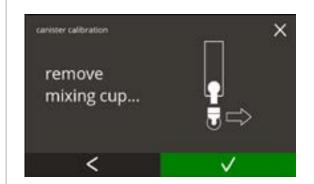
- press
 ✓ or
 ✓ to select a canister (if more than one)
- press

 to confirm and go to the next screen
- press

 to go to the next screen

6.1.7b

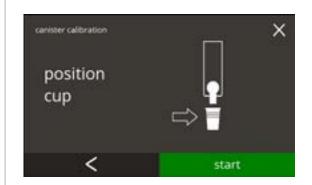




Information screen:

- turn the fixation ring counter-clockwise
- remove the complete mixing system and the condense reservoir
- press **v** to confirm and go to the next screen

6.1.7c



Information screen:

- put an *empty dry* cup under the canister outlet
- press start to begin the pre-calibration dosing
- press **I** to go to the previous screen

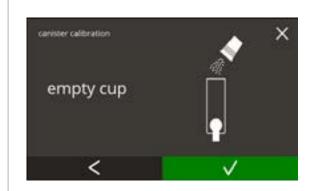
6.1.7d



Pre-calibration dosing:

- wait for the next screen
 - ► The canister motor will turn to fill up the outlet.

6.1.7e

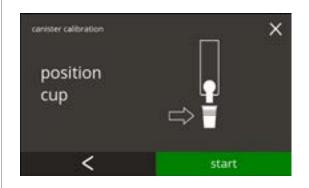


Pre-calibration dosing:

- throw the collected ingredient back into the canister
- press **v** to confirm and go to the next screen
- press **I** to go back to screen <u>6.1.7d</u>

6.1.7f

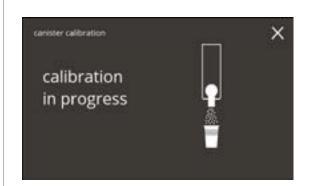




Actual calibration:

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

6.1.7g



Dosing:

- wait for the next screen
 - ► The canister motor starts and stops several times.

6.1.7h



Weighing the 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 **I** to go back to screen <u>6.1.7f</u>

6.1.7i

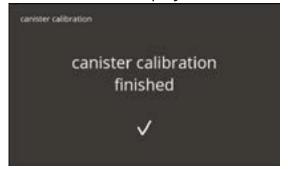


Calibration completed:

- put the mixing system back in place
- press **v** to confirm



Information screens:
• screen <u>6.1.7</u> is displayed after a few seconds





6.1.7k



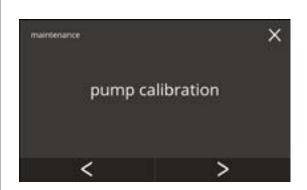
6.1.8 Pump calibration

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

6.1.8



Make sure all necessities are available.

press

 to confirm and go to the next screen

6.1.8a



Information screen:

- put a *empty* measuring jug under water outlet
- press start to begin the dosing
- ▶ Please note the machine dispenses hot water.

6.1.8b





Warning screen:

- ► The warning screen is displayed for a few seconds.
- wait for the next screen

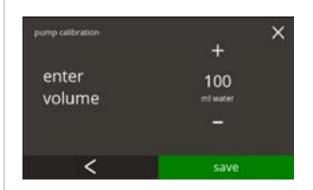
6.1.8c



Hot water dosing in progress:

- wait for the next screen
- ► Hot water from water outlet.

6.1.8d



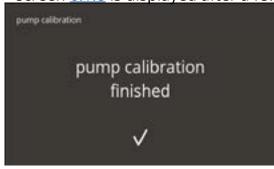
Determine volume:

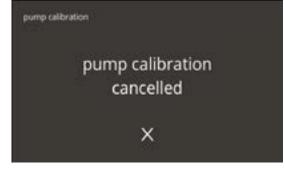
- read off the amount of water dosed
- press or to enter the volume on the
- press save to confirm and go to the next screen
- press **I** to go back to screen <u>6.1.8b</u>

6.1.8e

Information screens:

• screen <u>6.1.8</u> is displayed after a few seconds





6.1.8f



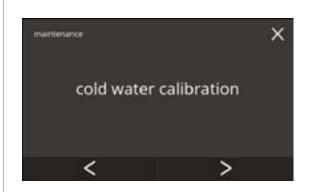
6.1.9 Cold water calibration

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:

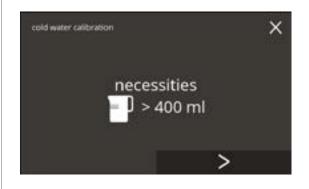
measuring jug (minimal 200 ml)



Pump calibration procedure:

- press "cold water calibration" to confirm
- press
 ✓ or
 ✓ to scroll through the maintenance menu

6.1.9



Make sure all necessities are available.

6.1.9a



Information screen:

- put a *empty* measuring jug under water outlet
- press start to begin the dosing
- ▶ Please note the machine dispenses hot water.

6.1.9b

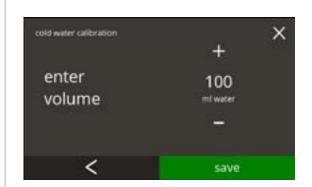




Hot water dosing in progress:

- wait for the next screen
 - ► Hot water from water outlet.

6.1.9d



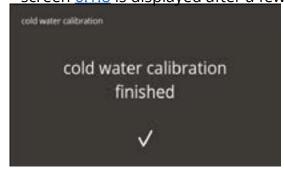
Determine volume:

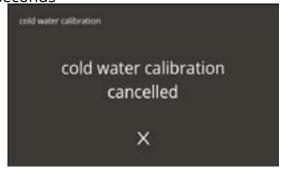
- read off the amount of water dosed
- press **■** or **■** to enter the volume on the screen
- press save to confirm and go to the next screen
- press **I** to go back to screen <u>6.1.8b</u>

6.1.9c

Information screens:

• screen 6.1.8 is displayed after a few seconds





6.1.9e



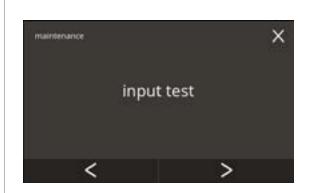
6.1.10 Input test

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

touchscreen

- floater
- cup sensor (optional)
- low pressure pump
- NTC1 (low position) and NTC2 (high position)

- door switch / safety key
- ▶ 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.



Input test

- press "input test" to confirm

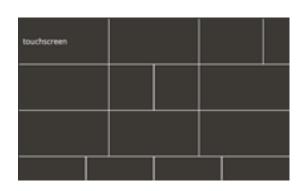
6.1.10



Select an input test:

- press test to go to the next screen
- press or or to select another component

6.1.10a

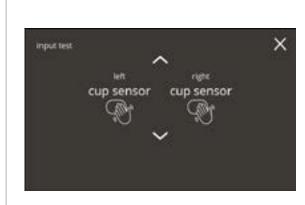


Touchscreen:

- touch the areas, they turn green if the button works (touch it again and it turns black again)
 - ▶ If not all blocks are tested within 20 seconds, the machine returns to the previous screen. Next time, the previously tested blocks are still green. This screen will not start a full black screen until all blocks are green (OK tested).

6.1.10b

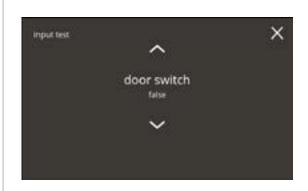




Cup sensor (optional):

- hold your hand in front of the sensor to be tested, this results in false/true
- - ► If cup detection is not installed this screen is not visible.

6.1.10c



Door switch/safety key:

- remove the service key and replace it resulting in false/true

6.1.10d



Float:

- shows current state on screen (true=wet or false=dry)

6.1.10e

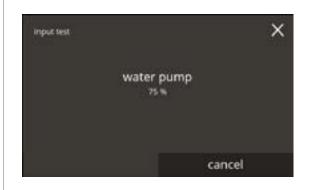


Low pressure pump:

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

6.1.10f





Test the low pressure pump:

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

6.1.10g



NTC sensors:

- shows current temperature on screen
- press test to go to the next screen

6.1.10h



Test the NTC sensors:

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

6.1.10i



6.1.11 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 motor
- heating element
- fan motor

- canister motor
- low pressure pump
 magnetic inlet valve
- water selector motor
- ▶ 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.



Output test

- press "output test" to confirm
 - ► There are two options for testing:
 - » pulse: the action is executed as long as the button is pressed.
 - » cycle: the action is executed for 10 seconds and press on cancel to interrupt.
- press
 or
 to scroll through the maintenance menu

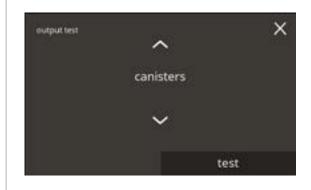
6.1.11



Buzzer test:

- press pulse, result: short 'beep'
- press cycle, result: multiple short 'beeps'

6.1.11a



Canister motor test:

- press test to select a canister in the next

6.1.11b

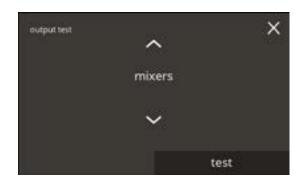




Canister motor test:

- remove the canister(s)
- press pulse, result: the canister motor runs briefly at 20% speed
- press sycle, result: the canister motor runs at 20% speed for 10 seconds

6.1.11c



Mixer motor test:

- press test to select a mixer in the next screen

6.1.11d



Mixer motor test:

- press pulse, result: the mixer motor runs briefly at full speed
- press cycle, result: the mixer motor runs at full speed for 10 seconds

6.1.11e

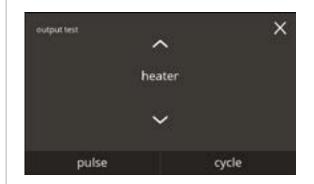


Low pressure pump test:

- press pulse, result: the pump motor runs briefly
- press cycle, result: the pump motor runs for 10 seconds
 - ► The water will not reach the mixing cup.

6.1.11f





Heating element test:

- press pulse, result: the heating element turns on for a moment
- press cycle, result: the heating element turns on for 10 seconds

6.1.11g



Magnetic inlet valve test:

- 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.

6.1.11h



Fan motor test:

- press pulse, result: the fan motor runs briefly at full speed
- press cycle, result: the fan motor runs at full speed for 10 seconds

6.1.11i



Water selector test:

- press test to select a position of the water selector in the next screen
- press or o to select another component

6.1.11j





Water selector positions test:

- press pulse, result: the selector runs from the hot water (position 0) to the selected position and back
- press cycle, result: the selector runs from the hot water (position 0) to the selected position, press cancel to return
- press or o to select a different position

6.1.11k

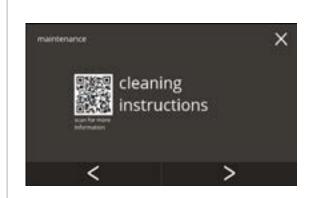


6.1.12 Cleaning instructions

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

daily	weekly
• drip tray	canister(s)
 mixing system 	 ventilation system
 the outside 	• the inside

- ► The cleaning instructions are also available as an animation by scanning the QR code in this menu.
- ► The manual cleaning intervals have been revised, see <u>chapter 5. Cleaning on p.10</u> for a detailed description.



Cleaning instructions:

- press "cleaning instructions" to confirm

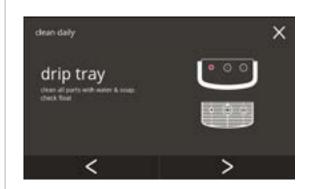
6.1.12



Daily cleaning instructions:

- press "clean daily" to go to the next screen

6.1.12a

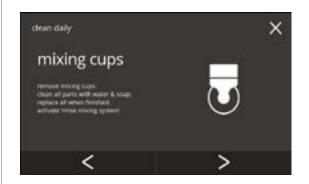


Cleaning the drip tray:

- follow the instructions on the screen

6.1.12b





Cleaning the mixing cups:

- follow the instructions on the screen

6.1.12c



Cleaning the outside:

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

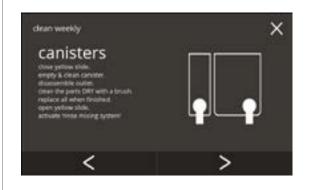
6.1.12d



Weekly cleaning instructions:

- press "clean weekly" to go to the next screen
- press **I** or **I** to go to daily cleaning (<u>6.1.12a</u>)

6.1.12e



Cleaning the canisters:

- follow the instructions on the screen





Cleaning the fan:

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

6.1.12g



Cleaning the inside:

- follow the instructions on the screen

6.1.12h

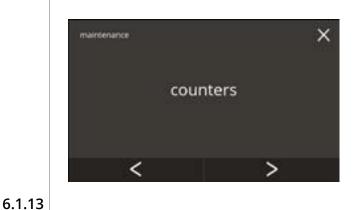


6.1.13 Counters

The counters tell you how many beverages have been prepared.

A total counter of all issued beverages is also shown.

If a drink is removed, the number of that beverage is still counted in the total machine counter.



Counters readings:

- press "counters" to select
- press
 ✓ or
 ✓ to scroll through the maintenance menu
 - ► The counters sub-menu consists of the following:
 - » day/total counters <u>6.1.13a</u> » reset day counters <u>6.1.13c</u>
 - » reset all counters <u>6.1.13g</u>
 - » export counters» machine counter6.1.13k6.1.13o

» machine counter

Day counters:

- press "day/total counters" to select
- press
 or
 to scroll through the counters sub-menu

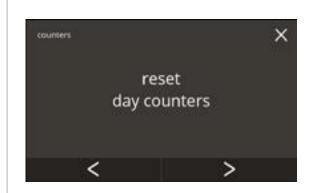


6.1.13a



Information screens of the day counters per beverage and the total of all beverages:





Reset all day counters:

- press "reset all day counters" to select
- press **≤** or **≥** to scroll through the counters sub-menu

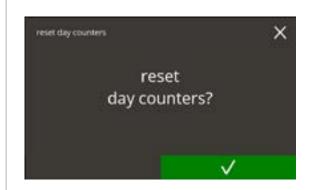
6.1.13c



Start reset:

 press reset day counters to confirm the reset of all day counters

6.1.13d



Confirmation screen:

- press
 ✓ to confirm and continue the reset of all day counters

6.1.13e

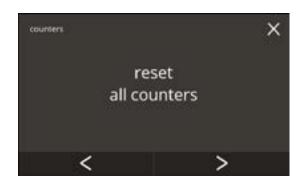


Information screen:

• screen <u>6.1.13c</u> is displayed after a few seconds

6.1.13f





Total counters:

- press "total counters" to select

6.1.13g



Start reset:

• press reset all counters to confirm the reset of all counters

6.1.13h



Confirmation screen:

- press
 ✓ to confirm and continue the reset of all counters

6.1.13i

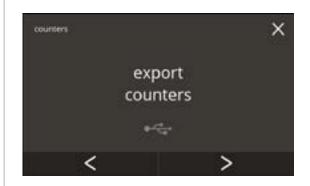


Information screen

screen <u>6.1.13g</u> is displayed after a few seconds

6.1.13j

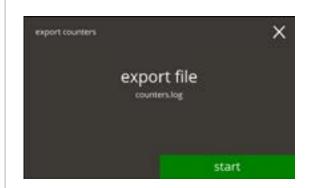




Export counters:

- place a USB stick
- ► If there is no USB stick in the machine this option is greyed out.
- press "export counters" to confirm
- press **≤** or **≥** to scroll through the counters sub-menu

6.1.13k



Start export counters:

• press start to begin the export

6.1.131



Progress screen

- wait for the process to finish
- press on cancel to interrupt

6.1.13m

Information screens:

• screen <u>6.1.13k</u> is displayed after a few seconds





6.1.13n





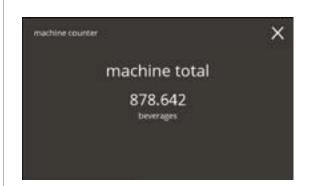
Machine total counter:

- press "machine counter" to select
 press

 or

 to scroll through the counters sub-menu

6.1.13o



Information screen:

• screen <u>6.1.130</u> is displayed after a few seconds

6.1.13p



6.2 Beverage 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"
 press the "text area" to select the next level for that menu
- press

 to go back to chapter 6. Programming menu on p.15
 - ► The beverages, recipes and settings used are only examples.





6.2.1 Add beverage to screen

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

It is possible to replace a beverage, the beverages cannot be dragged to another place. The open spaces where another beverage can be placed are marked with 3 dots.



Place a beverage in the beverage selection screen:

- press "select beverage" to confirm

6.2.1



Available beverages in the beverage selection screen:

- press on a beverage to replace or a free place (marked as 3 dots) to add a beverage
- press exit to accept the current configuration and go to the previous screen

6.2.1a



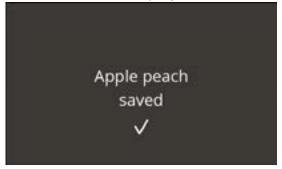
Replace or delete a beverage on the screen

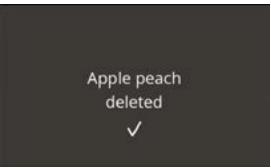
- ▶ Delete is active as long as the beverage names are the same.
- press delete to remove the beverage (three dots now replace the beverage) or
- press save to replace the beverage

6.2.1b



Information screens:
• screen <u>6.2.1</u> is displayed after a few seconds





6.2.1c



6.2.2 Change beverage name

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



Change beverage name:

- press "change beverage name" to confirm
- press
 or
 to scroll through the beverage menu

6.2.2



Available beverages in the beverage selection screen:

- press on a beverage to change the name
- press exit to accept the current configuration and go to the previous screen
- ► If the buttons are visible, multiple screens with beverages are available.

6.2.2a



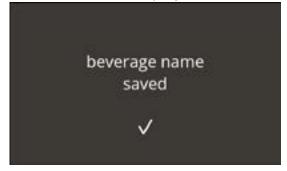
Enter the new custom beverage name:

- - » press ABC for capitals
 - » press à..ç..ê for special characters
 - » press 123#* for numbers
 - » press for a space
 - » press 🛛 to remove a previous input

6.2.2b



Information screens:
• screen <u>6.2.2</u> is displayed after a few seconds





6.2.2c



6.2.3 Change beverage icon

In this menu, the beverage icon can be changed to a custom beverage icon associated with the selected beverage.

- ► The standard beverage icons remain always available.
- ▶ We recommend to use a transparent background.



Change beverage icon:

- press "change beverage icon" to confirm
- - Only files that meet the specifications can be loaded successfully.

6.2.3



Available beverages in the beverage selection screen:

- press on a beverage to change the icon
- press exit to accept the current configuration and go to the previous screen
- ► If the buttons are visible, multiple screens with beverages are available.

6.2.3a



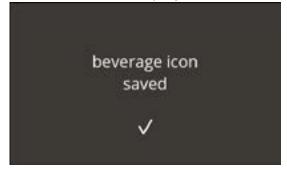
Beverage icon (back to default / change):

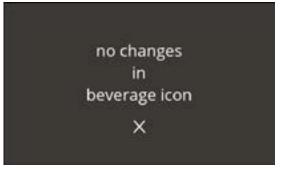
- place a USB stick to select a new beverage icon
 - Select customer-specific beverage icons or download the Bolero beverage icons set from our website onto a USB stick.
- press save to confirm

6.2.3b



Information screens:
• screen <u>6.2.3</u> is displayed after a few seconds





6.2.3c



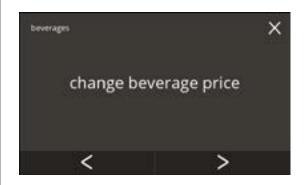
6.2.4 Change beverage price

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).

- ► Coins to be used are specified in §6.3.12 on p.96.
- ▶ The currency symbol and the currency separator are determined by the external payment system



Change beverage price:

- press "change beverage price" to confirm
- press **I** or **I** to scroll through the "Beverage menu"

6.2.4



Select a beverage:

- press on a beverage to change
- press exit to accept the current beverage prices and go to the previous screen

6.2.4a



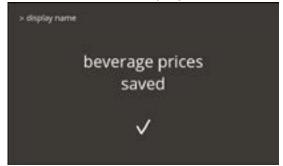
Select a beverage volume price:

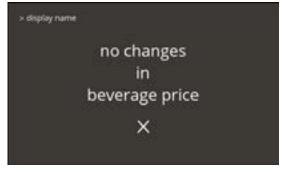
- press or to change beverage volume price
- press save to go to the previous screen

6.2.4b



Information screens:
• screen <u>6.2.4a</u> is displayed after a few seconds





6.2.4c

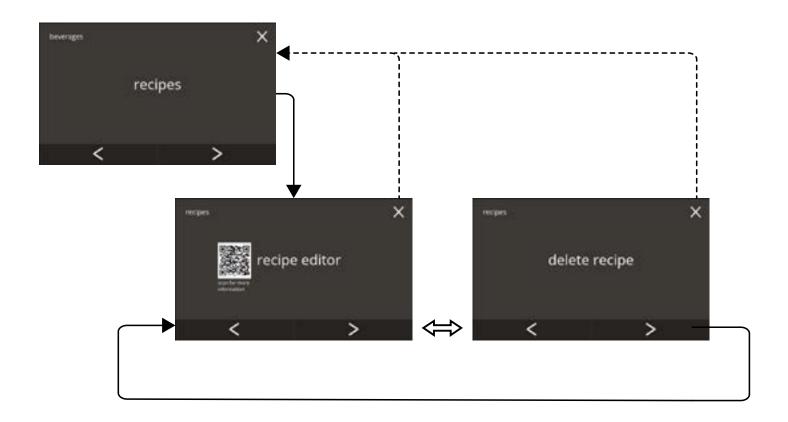


6.2.5 Recipes

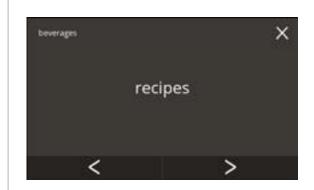
In this menu the recipes of the beverage can be changed.

recipe editor basic	recipe editor expert	
 volume 	• volume	 water flow adjustment
 strength 	• strength	 mixer speed
 mixer speed 	 ratio affected by strength 	 overlap percentage
	 water ratio ingredients 	

- ▶ Only use ingredients that are suitable for dysphagia vending machines and use the recommended dosage as indicated on the packaging.
- ▶ With the **recipe editor** a standard recipe can be changed (new recipes cannot be added here)
- ► A changed standard recipe can be reset to the default values via the recipe test, see 6.2.5q on p.73.
- ► The machine is unable to provide feedback (error) when the mixer motor is not running or when the canister motor is set to a very low speed.







Change the recipe of a beverage:

- press "recipe" to confirm

6.2.5



Recipe carousel:

- press "recipe editor" to confirm
- press **I** or **I** to scroll through the recipe submenu:
 - » delete recipe <u>6.2.5q on p.73</u>
 - ► The QR-code in the screen refers to this manual

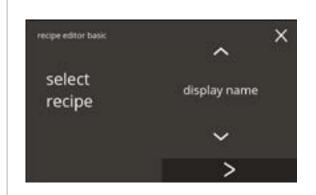
6.2.5a



Information screen:

• press "recipe editor basic" to confirm

6.2.5b

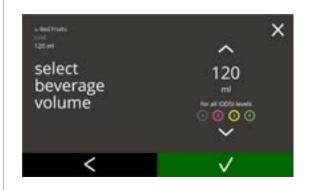


Recipe selection:

- press **≥** to confirm

6.2.5c





Volume:

- press
 • or
 • to change the volume for the different cup sizes
- - ► Most volumes can be set from 120ml to 1000ml (recipe dependent)

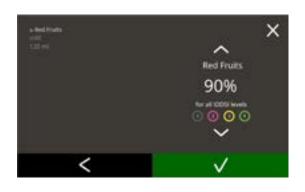
6.2.5d



Strength:

- ► Use the † to switch between ratio and gram/120ml
- press
 ■ or
 ■ to change the ratio ingredient/ water
- - ► The number of ingredients may vary per beverage.

6.2.5e



Mixer speed:

- press
 ■ or
 ■ to change mixer speed
- - » go to the previous screen for the next ingredient
 - » go to the following screen when all ingredients have been defined

6.2.5f

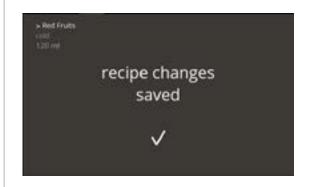


Confirmation screen:

- ► On the left the summary of the new ingredient settings.
- press
 ▼ to confirm and to change the next ingredient (if available) and go to screen 6.2.5c
- press save to confirm the last ingredient of the recipe is set and go to the next screen

6.2.5g

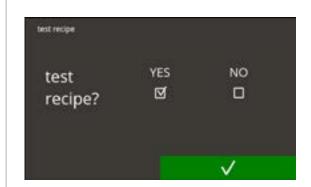




Information screen:

• screen <u>6.2.5i</u> is displayed after a few seconds to test the recipe

6.2.5h



Test recipe:

- press , go to screen <u>6.2.5a</u>
- press yes to go to the next screen

6.2.5i



Test liquid flow rate:

- press one of the opties
- press **v** to confirm

6.2.5j

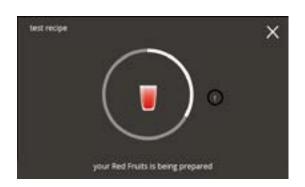


Information screen:

- place an empty container under the beverage outlet
- press start to begin the dosing

6.2.5k





Preparing a beverage:

• please wait

6.2.51



Testing:

- check the *liquid flow rate* and the strength/
- recipe *not ok*, press m, the next screen will appear
- recipe *ok*, press ys, screen <u>6.2.5p</u> is displayed

6.2.5m



Recipe not satisfactory:

- press back to default recipe to undo the modifications and go to the next screen
- press edit recipe again and, go to screen <u>6.2.5c</u>

6.2.5n



Back to default recipe:

 please wait, screen <u>6.2.5a</u> is displayed after a few second

6.2.5o



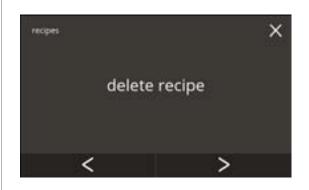


Test another volume:

- press sand go to screen 6.2.5j
 press and go to screen 6.2.5a

6.2.5p





Recipe carousel:

- press "delete recipe" to confirm
- press
 or
 to scroll through the recipe submenu:
 - » recipe editor

6.2.5a on p.68

Only new created recipes can be deleted, default recipes will be reset to their default settings.

6.2.5q



Delete recipe:

- press
 or
 to select a recipe
- press **≥** to confirm
 - » for a new recipe go to the next screen
 - » for a default recipe go to screen 6.2.5r

6.2.5r



Confirmation screen:

- press

 to confirm and go to the next screen
 - ► The beverage will also be removed from the beverage selection screen.

6.2.5s



Information screen:

• screen <u>6.2.5p</u> is displayed after a few seconds



6.2.6 Select ingredients canisters

Default instant ingredients will be available in the machine:

Milk Fit

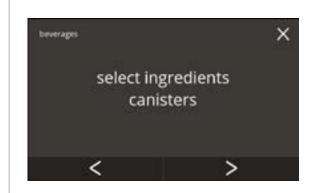
Orange Fit

Tea Fit

Cola Fit

• Coffee Fit

- Apple Peach Fit
- Neutral Fit
- Red Fruits Fit
- ▶ Only use ingredients that are suitable for **Dysphagia** vending machines.
- ▶ Names of ingredients can be changed in §6.2.7 on p.76.



Select an ingredient per canister:

- press "select ingredient canister" to confirm

6.2.6



Select an ingredient:

- press **≥** to select the next canister (<u>6.2.6c</u>)
- press on an ingredient to select and go to the next screen
- ► Confirm **I** is only active if something has changed.

6.2.6a



Confirmation screen:

- ► The number of steps to be completed depends on the number of canisters.

6.2.6b





Next canister(s):

- press on an ingredient to select and go to the next screen
- ► Confirm **v** is only active if something has changed.
- press **≥** to select the next canister

6.2.6c



Control screen:

- ► This screen appears when **v** or **v** is pressed after the last canister.
- press save to confirm

6.2.6d



Information screen:

- screen <u>6.2.6</u> is displayed after a few seconds
 - ▶ Only if a new ingredient is different to the original one go to §6.2.1 on p.59. The beverages made with the previous ingredient are set to inactive and their names have been replaced by the 3 dots. That is 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.

6.2.6e



6.2.7 Change ingredient name

In this menu the name of the ingredient can be changed to a custom defined ingredient name.



Change ingredient name:

- press "change ingredient name" to confirm
- press **I** or **I** to scroll through the beverage menu

6.2.7



Available ingredient canisters:

- press on an ingredient to select and go to the next screen

6.2.7a



Enter the new custom ingredient name:

- press the character between the b to form the new ingredient name
 - » press ABC for capitals
 - » press à..ç..ê for special characters
 - » press 123#* for numbers
 - » press for a space
 - » press to remove a previous input
- press **v** to confirm the new ingredient name

6.2.7b



Information screens:
• screen <u>6.2.7a</u> is displayed after a few seconds





6.2.7c



6.3 Machine menu

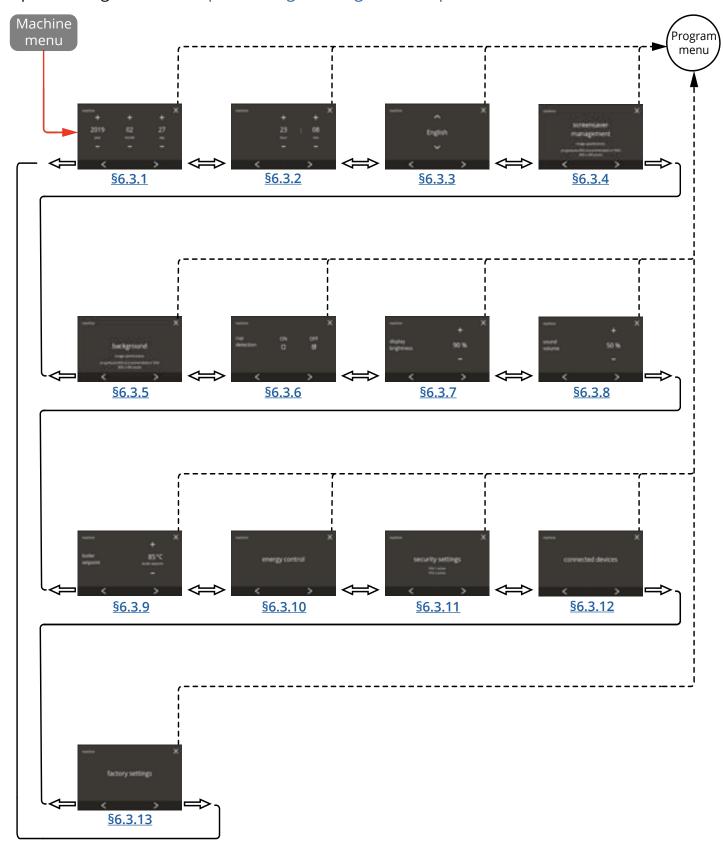
You can programme the machine settings in the this menu. Select one of the available options:

- press

 or

 to select the next option of the "machine menu"
 press the "text area" to select the next level for that menu
- press

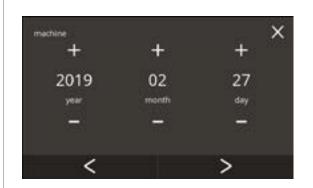
 to go back to chapter 6. Programming menu on p.15





6.3.1 Date

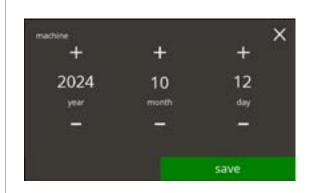
Adjust the year/month/date.



Change the date:

- press
 ☐ or ☐ to set the year, month or date
 press ☐ or ☐ to scroll through the machine menu

6.3.1



Confirm changes: • press save to confirm

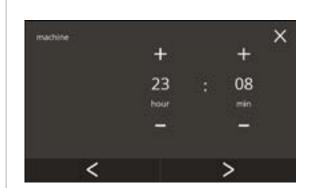
- ► Save is only active if something has changed.

6.3.1a



6.3.2 Time

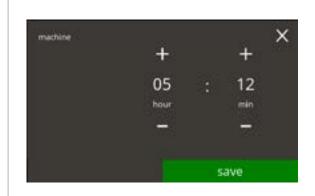
Adjust the time.



Change the time:

- press **■** or **■** to set the current the hour and
- press **【** or **】** to scroll through the machine menu

6.3.2



Confirm changes: • press save to confirm

- ► Save is only active if something has changed.

6.3.2a



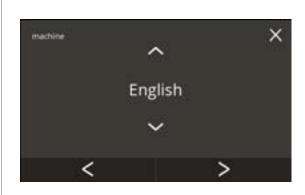
6.3.3 Language

The available languages are:

- English
- Spanish
- French
- Italian
- Dutch
- Norwegian

- Polish
- Portuguese
- Swedish
- Danish
- German

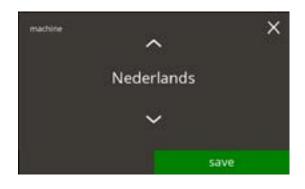
Default: English



Change the language:

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

6.3.3



Confirm change:

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

6.3.3a



6.3.4 Screensaver management

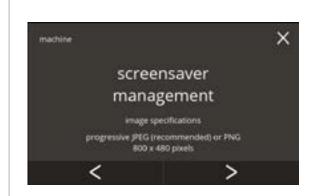
In this menu, you can set when the screen saver becomes active.

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

The screensaver can be set to a custom defined screensaver.

You can always return to the default screensaver.

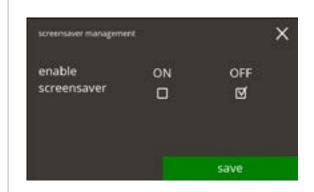
▶ The screensaver image does not need for a transparent background.



Change the screensaver:

- press "screensaver" to confirm

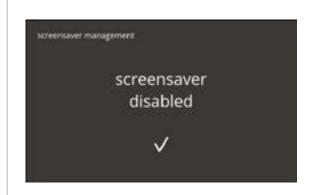
6.3.4



Activate/deactivate the screensaver option:

- press "ON" or "OFF" to set the screensaver:
 - » select OFF and save:
 go to the next screen
 - » select ON and **▼**: go to screen <u>6.3.4c</u>
 - ► Save is only active if something has changed.

6.3.4a

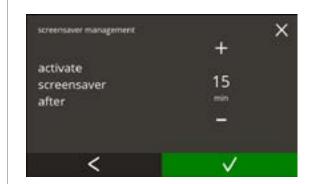


Information screen:

• screen <u>6.3.4</u> is displayed after a few seconds

6.3.4b

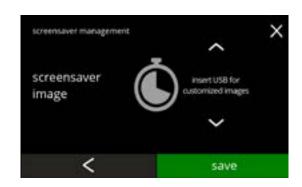




Set the time when the screensaver becomes active

- press **v** to confirm

6.3.4c

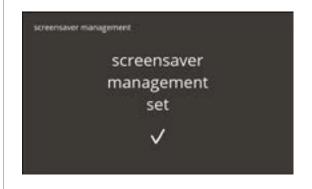


Change the screensaver image:

- press

 to go to the next screen
- place a USB stick
 - ► If there is no USB stick in the machine this option is greyed out.
- press
 or
 to select a custom image, see specifications below
- press save to go to the next screen

6.3.4d



Information screens:

• screen <u>6.3.4</u> is displayed after a few seconds

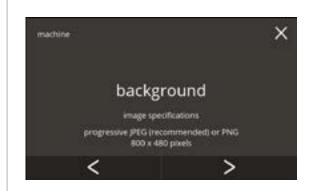
6.3.4e



6.3.5 Background

In this menu the background of the beverage selection screen can be set. The background can be set to a custom defined background, see specifications. The default background remains available in the GUI, so you can always return to the default background.

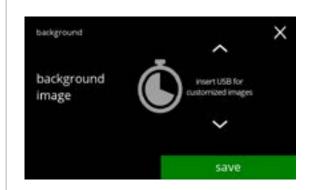
▶ We recommend **not** to use a light colour or white because of the readability.



Change the background:

- press "background" to confirm

6.3.5

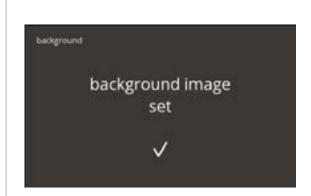


Change the background image:

- press

 to go to the next screen
- place a USB stick
- ► If there is no USB stick in the machine this option is greyed out.
- press save to go to the next screen
 - ► Save is only active if something has changed.

6.3.5a



Information screen:

• screen <u>6.3.5</u> is displayed after a few seconds

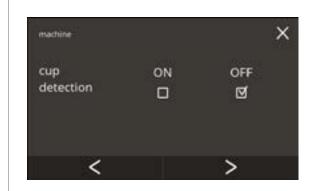
6.3.5b



6.3.6 Cup detection (optional)

▶ If cup detection is not installed, this section and any other related screens will not be visible.

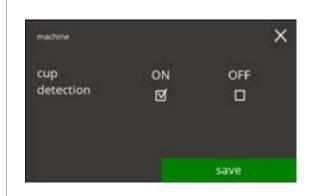
The cup sensors can always be switched off by software.



Activate/deactivate the cup detection option:

- press "ON" or "OFF" to set cup detection mode

6.3.6



Confirm change:

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

6.3.6a



6.3.7 Display brightness

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

setting	brightness
default	90%
minimum	20%
maximum	100%



Change the display brightness:

- press **■** or **■** to select the brightness
- press
 ✓ or
 ✓ to scroll through the machine menu

6.3.7



Confirm change:

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

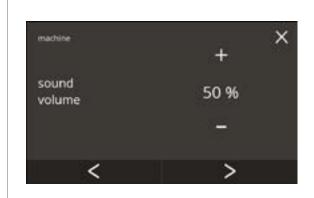
6.3.7a



6.3.8 Sound level feedback

The sound level of the feedback can be increased or decreased.

setting	sound level
default	50%
minimum	0% (OFF)
maximum	100%



Sound level feedback:

- press
 ☐ or ☐ to set the sound level
 - ➤ When the audio volume is increased or decreased, a beep is generated in that volume for verification.

6.3.8



Confirm change:

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

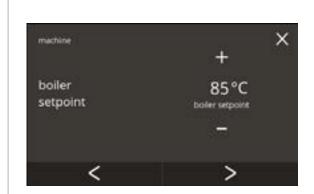
6.3.8a



6.3.9 Boiler temperature

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

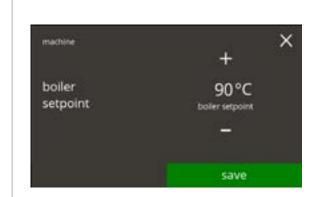
setting	temperature
default	85°C
minimum	80°C
maximum	90°C



Change the boiler temperature:

- press **■** or **■** to set the temperature
- press
 ✓ or
 ✓ to scroll through the machine menu

6.3.9



Confirm change:

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

6.3.9a



6.3.10 Energy-saving mode (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 energy-saving mode can be set as 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 energy-saving mode becomes active, the following actions are performed:

boiler heating disabled

backlight display set to low percentage.

• fan disabled

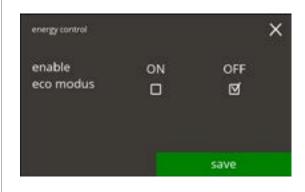
► Energy control mode is dominant over screensaver mode



Change the energy-saving mode:

- press "eco modus" to confirm

6.3.10

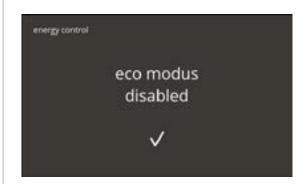


Activate/deactivate the energy-saving mode option:

- press "ON" or "OFF" to set energy-saving mode
 - » select OFF and save:
 go to the next screen
 - » select ON and **▼**: go to screen <u>6.3.10c</u>
 - ► Save is only active if something has changed.

6.3.10a

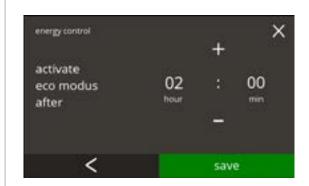




Information screen:

screen <u>6.3.10</u> is displayed after a few seconds

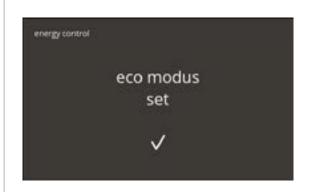
6.3.10b



Set the time when the eco modus becomes active:

- press **■** or **■** to select the activation time
- press save to confirm
- press **I** to go back to screen <u>6.3.10a</u>

6.3.10c



Information screen:

screen <u>6.3.10</u> is displayed after a few seconds

6.3.10d



6.3.11 Security settings

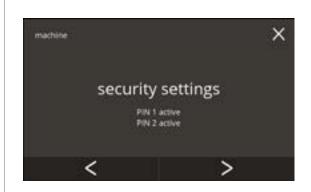
In this menu the PIN code settings can be defined.

There are 2 PIN code:

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

§8.3 on p.122 describes which PIN codes protect which options.

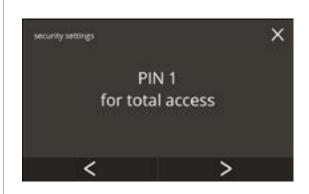
If a PIN code is entered to access the menu, it remains valid until the user leaves the menu again.



Change the security settings:

- press "security settings" to confirm
- press
 ✓ or
 ✓ to scroll through the machine menu
 - ► If a PIN code is active, it is indicated on this screen.

6.3.11



Change the security settings:

- press "PIN 1 for total access":
 - » PIN 1 already set:
 - go to screen 6.3.11f
 - » PIN 1 not yet set: go to the next screen
- press
 or
 to go to screen 6.3.11q for PIN 2

6.3.11a

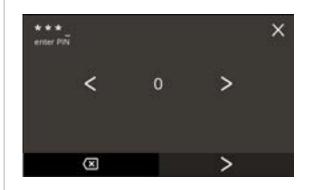


Set PIN code:

press "Set PIN" and go to the next screen

6.3.11b



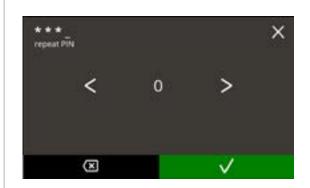


Enter the PIN code:

- press on the number to select
- press to delete a PIN number, see left corner
- press

 when the 4 digit PIN code is entered
 - ► When four numbers are entered the next screen is displayed to verify the PIN code.

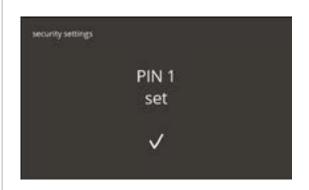
6.3.11c



Verify the PIN code:

- press on the number to select
- press to delete a PIN number, see left corner
- press
 ▼ to verify the PIN code entered and go to the next screen
 - When the PIN code does not match, you will receive another attempt to enter the correct code.

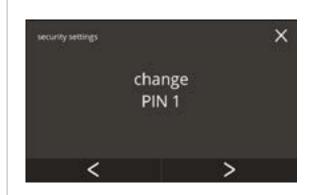
6.3.11d



Information screen:

 screen <u>6.3.11a</u> is displayed after a few seconds

6.3.11e

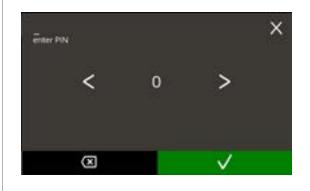


Change PIN 1:

- press "change PIN 1" to confirm and go to the next screen
- press
 or
 to go to screen 6.3.11m

6.3.11f

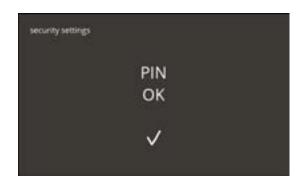




Enter the PIN code:

- press on the number to select
- press to delete a PIN number, see left corner
- - ► When the PIN code does **not** match, you will receive another attempt to enter the correct code.

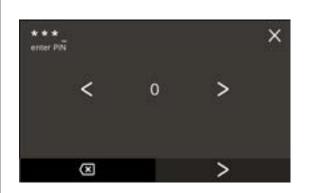
6.3.11g



Information screen:

the next screen is displayed after a few seconds

6.3.11h

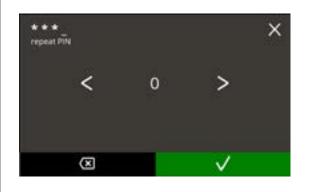


Enter the new PIN code:

- press **I** or **I** to scroll through the numbers
- press on the number to select
- press to delete a PIN number, see left corner
- press

 when the 4 digit PIN code is entered
 - ► When four numbers are entered the next screen is displayed to verify the PIN code.

6.3.11i

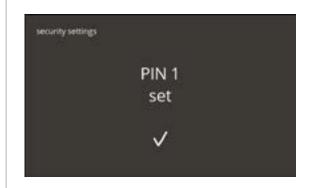


Verify the new PIN code:

- press on the number to select
- press to delete a PIN number, see left corner
- press
 ▼ to verify the PIN code entered and go to the next screen
 - When the PIN code does not match, you will receive another attempt to enter the correct code.

6.3.11j

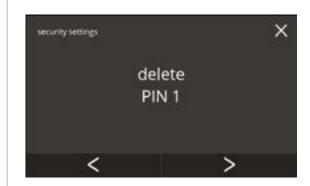




Information screen:

 screen <u>6.3.11a</u> is displayed after a few seconds

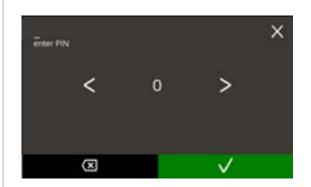
6.3.11k



Delete PIN 1:

- press "delete PIN 1" to confirm and go to the next screen
- press
 or
 to go to screen 6.3.11f

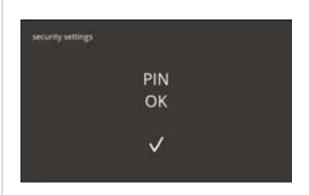
6.3.111



Enter the PIN code:

- press **I** or **I** to scroll through the numbers
- press on the number to select
- press to delete a PIN number, see left corner
- - When the PIN code does not match, you will receive another attempt to enter the correct code.

6.3.11m

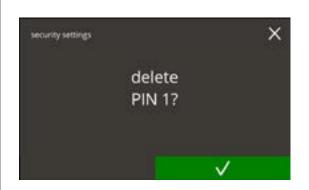


Information screen:

the next screen is displayed after a few seconds

6.3.11n



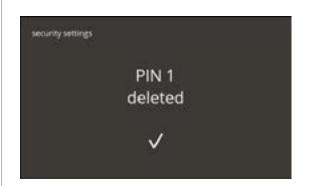


Confirmation screen:

- press

 to confirm and go to the next screen

6.3.110



Information screen:

• screen <u>6.3.11a</u> is displayed after seconds

6.3.11p



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 6.3.11b to 6.3.11p).
- press **☑** or **☑** to go to screen <u>6.3.11a</u> for PIN 1

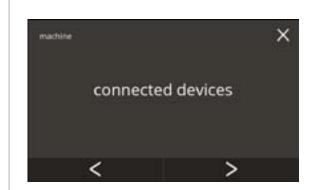
6.3.11q



6.3.12 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. Devices that can be connected:

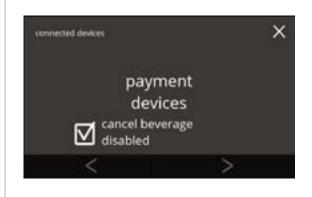
payment devices (with and without coins)



Select or configure the connected devices:

- press "connected devices" to confirm
- - ► If no external device is connected to the machine, the text on this screen will remain greyed out.

6.3.12



Payment device:

- ➤ The checkbox gives the possibility to decide whether a paid beverage could be cancelled or not (the money is not returned)
- press "payment devices" to confirm
- ► Save is only active if something has changed.

6.3.12a



Payment device:

- ► The checkbox gives the possibility to decide whether to hide the credits or not.
- press "payment devices" to confirm
- ► Save is only active if something has changed.

6.3.12b

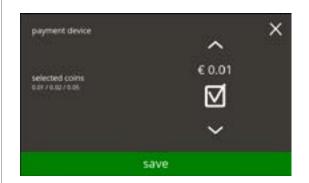




Select/configure the payment device:

- press "select coins" to confirm
- - ➤ The availability of the navigation buttons depends on the number of connected devices.
- ▶ *Up to 2 payment devices can be connected.*

6.3.12c



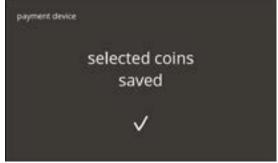
Select which coins can be used:

- fill in the checkbox to select the coin
- press save to confirm and go to the next screen
 - ► Save is only active if something has changed.

6.3.12d

Information screens:

• screen <u>6.3.12</u> is displayed after a few seconds





6.3.12e

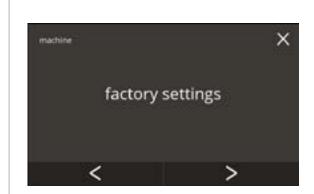


6.3.13 Reset to factory settings

A factory reset returns the machine to its original state.

Exceptions are:

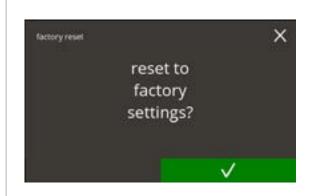
- firmware
- machine counter (only the day and beverage counters are reset)
- descale counter
- water filter
- firmware history



Reset to factory settings:

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

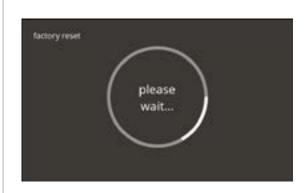
6.3.13



Confirmation screen:

- ► First save the customized data, see §6.4.5 on p.106.
- press **v** to confirm

6.3.13a



Progress screen

• wait until the process is finished

6.3.13b

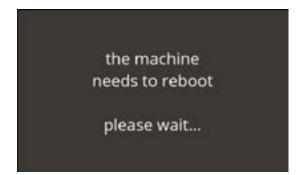




Information screen:

• the next screen is displayed after a few seconds

6.3.13c



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

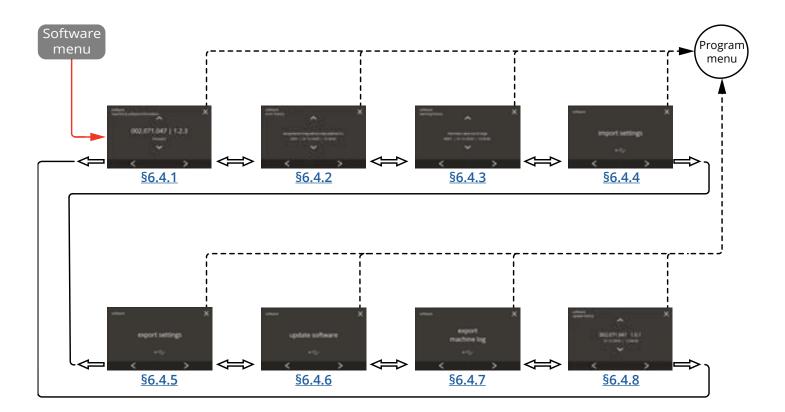
6.3.13d



6.4 Software menu

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 "software menu"
- press the "text area" to select the next level for that menu
- press 🛮 to go back to <u>chapter 6. Programming menu on p.15</u>





6.4.1 Machine and software information

This menu shows information that identifies the machine.

software			hardware (version,	other	
HMI (version)	I/O (version)	external (version, article number)	article number)		
• bootloader	• bootloader	• Interface board (if present)	• HMI board	• IP information (IP address, Mac address, Gateway and DNS) (if connected)	
• application » API » GUI	application	• other devices (if present)	• I/O board	• serial number machine	
• touchscreen controller			• interface print (if present)		
• Bluetooth/ Wi-Fi			• other devices (if present)		



Information screens:

- press or to retrieve the other machine & software information

6.4.1



6.4.2 Error log

In this menu the error history is shown.

The following items are displayed:

- error code
- error message
- date and time

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

► An overview of the error messages can be found in §7.2 on p.116.



Information screens:

- ► The last error code generated is shown first.

6.4.2



6.4.3 Warning log

In this menu the warning history is shown.

The following items are displayed:

- warning code
- warning message
- · date and time

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

► An overview of the warning messages can be found in §7.1 on p.114.



Information screens:

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

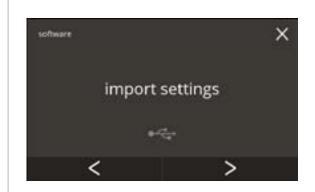
6.4.3



6.4.4 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:

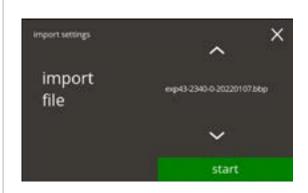
- recipes
- machine configuration
- security levels
 - ▶ Only if the identities of both machines are the same the settings can be transferred.



Import machine settings:

- place a USB stick
- ► If there is no USB stick in the machine this option is greyed out.

6.4.4



Import the settings on the machine:

- press
 or
 to select a setting file
- press start to begin the import
- ► It is only possible to import a file with the same identification:

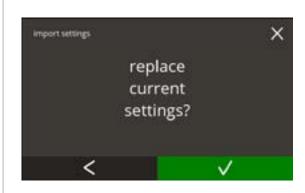
EXP43 : identical model

2340 : identical boiler power (Watt)
0 : presence manual tap (0/1)
20220107 : date is variable (yyyymmdd)

bbp

: identical file extension

6.4.4a

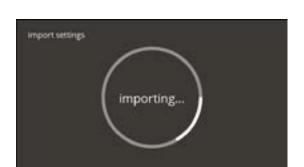


Confirmation screen:

- ► Be aware that your current settings will be overwritten.
- press **v** to confirm

6.4.4b



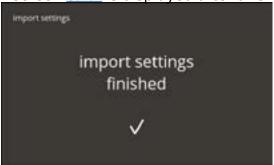


Progress screen
• wait until the process is finished

6.4.4c

Information screen:

screen <u>6.4.4</u> is displayed after a few seconds





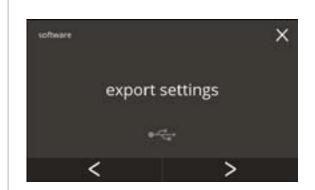
6.4.4d



6.4.5 Export machine settings

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

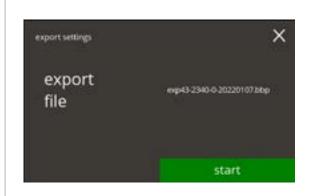
- recipes
- machine configuration
- security levels
- identity (used to check if the new machine has the same identity)
 - ► Keep in mind that the security levels of the machine are also copied.



Export machine settings:

- place a USB stick
 - ► If there is no USB stick in the machine this option is greyed out.
- press "export settings" to confirm

6.4.5



Export the settings of the current machine:

- press start to begin the export
 - ► The name of the export file is structured as follows:

EXP43 : model

2340 : boiler power (Watt)

0 : presence manual tap (0/1) 20220107 : date is variable (yyyymmdd)

bbp : file extension

6.4.5a



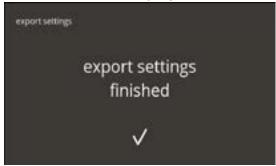
Progress screen

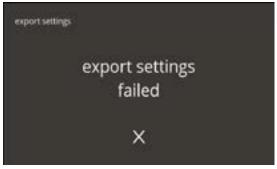
- wait for the process to finish
- press on cancel to interrupt

6.4.5b



Information screens:
• screen <u>6.4.5</u> is displayed after a few seconds





6.4.5c

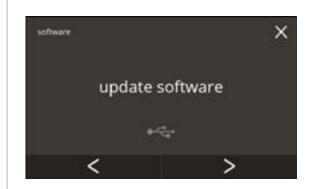


6.4.6 Update software

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.

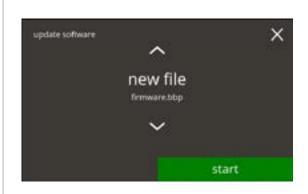
▶ The software can only be updated, a downgrade is not possible.



Update the machine software:

- place a USB stick
- ► If there is no USB stick in the machine this option is greyed out.
- press "update software" to confirm

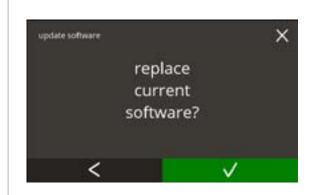
6.4.6



Select the file to update the software:

- press
 or
 to select a file
- press start to begin the update

6.4.6a



Confirmation screen:

- ► Be aware that your current firmware will be overwritten.

6.4.6b

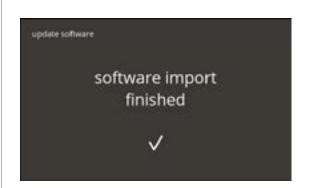




Progress screen

- wait for the process to finish
- press on cancel to interrupt
 - ► If the file cannot be imported (earlier version or wrong format) the screen is aborted and screen <u>6.4.6f</u> appears.

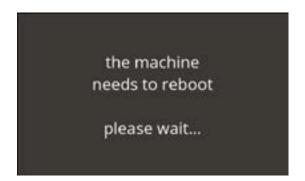
6.4.6c



Information screen:

the next screen is displayed after a few seconds

6.4.6d



Information screen:

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

6.4.6e



Information screen:

 the beverage selection screen is displayed when the software is installed

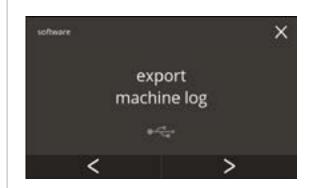
6.4.6f



6.4.7 Export machine log

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

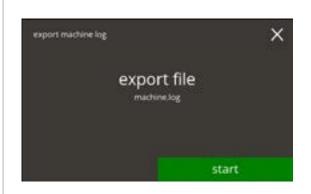
The report consists of dispense counters (free and paid), warning and error messages.



Export machine log:

- place a USB stick
- ► If there is no USB stick in the machine this option is greyed out.
- press "export machine log" to confirm

6.4.7



Export the log file of the machine:

• press start to begin the export

6.4.7a



Progress screen

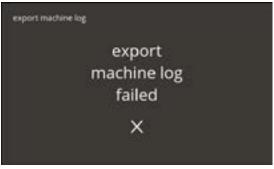
- wait for the process to finish
- press on cancel to interrupt

6.4.7b



Information screens:
• screen <u>6.4.7</u> is displayed after a few seconds





6.4.7c



6.4.8 Software 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)
- İ/O board software
- · touch software
- Wi-Fi/Bluetooth
- bus devices (if they are connected)

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



Information screens:

- press
 ✓ or
 ✓ to scroll through the software menu

6.4.8



6.5 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"
- press the "text area" to select the next level for that menu
- press

 to go back to chapter 6. Programming menu on p.15



Online information:

- press "online info" to confirm

6.5.1



Online manuals:

- scan the QR code to get the latest online manual(s)

6.5.1a



Online animations:

- scan the QR code to get the latest online animation(s)

6.5.1b

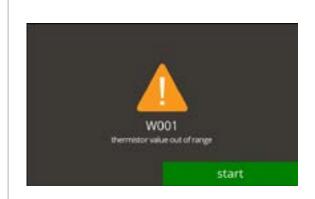


7. Warnings and errors

7.1 Warnings

Warnings are used to inform you of a state which can prevent the Bolero from working correctly. In general warnings are shown after selecting a beverage.

- ▶ The messages/warnings are displayed for 30 seconds then return to the home screen.
 - » a message (Mxxx) is a positive confirmation of a user action.
 - » a warning (Wxxx) indicates a problem or potentially harmful condition.



Example display for a warning. These notifications are stored in a log file (§6.4.3 on p.103).

7.1a

code	description	action	
W001	temperature sensor out of range	• no action required, disappears after a few seconds, becomes after 3 incidents E002	
W002	temperature too high	• no action required, disappears after a few seconds	
W003	temperature not rising while relay engaged	• no action required, disappears after a few seconds, becomes E004 after 3 incidents within certain time	
W004	canister motor not detected	 reset the message on the screen 	
		» if the warning persists, contact your dealer	
W005	not used		
W006	mixing cups must be rinsed	reset the message on the screen	
		» rinse the mixing system, see §6.1.1 on p.17	
W007	machine must be descaled	reset the message on the screen	
	soon	» schedule the descaling procedure soon	
W008	machine must be descaled now	 reset the message on the screen (the warning will pop-up after every dispensed beverage) 	
		» descale the machine, see §6.1.2 on p.19	



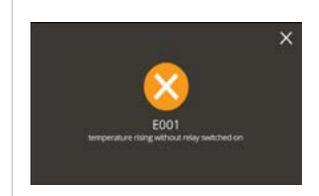
code	description	action		
W009	water filter must be	reset the message on the screen		
	changed soon	» schedule water filter replacement soon		
W010	water filter must be changed now	 reset the message on the screen (the warning will pop-up after every dispensed beverage) 		
		» replace the water filter and confirm in §6.1.3 on p.26		
M011	payment device connection successful	• no action required, disappears after a few seconds		
W012	payment device connection failed	 no direct action required, disappears after a few seconds 		
		» check the connections and restart the payment device		
		» if the error persists, contact your dealer		
W013 - W019	not used	·		
W020	contact your dealer for preventive maintenance	• reset the message on the screen, the message will recur several times after which it becomes E026		



7.2 Error messages

Error messages appear when an error is detected by the machines operating system. When the error is active and is cancelled by the user, the machine goes out of safe mode and tries to recover. If the error is not cleared by retrying, the error reappears.

▶ If the error message returned after the appropriate action, please contact your dealer.



Example display for error messages. These errors are stored in a log file, see §6.4.2 on p.102.

7.2a

code	description	action
E001	temperature rise while	reset the message on the screen
	relay disengaged	» if the error persists, contact your dealer
E002	temperature sensor out of	reset the message on the screen
	range	» if the error persists, contact your dealer
E003	magnetic valve unexpectedly opened	reset the message on the screen
		» if the error persists, contact your dealer
E004	temperature not rising while relay engaged	reset the message on the screen
		» if the error persists, contact your dealer
E005	water selector malfunction	reset the message on the screen
		» if the error persists, contact your dealer



code	description	action
E006	water supply failure	 reset the message on the screen, if the error repeats verify the following:
		» check that the water tap is open
		» check that the water supply hose is not kinked
		» check whether water comes out of the water tap
		» if the error persists, contact your dealer
E007	not used	
E008	bus system communication	reset the message on the screen
	error	» if the error persists, contact your dealer
E009	pump motor malfunction	reset the message on the screen
		» if the error persists, contact your dealer
E010	mixer motor not detected	 reset the message on the screen, if the error repeats verify the following:
		» check that the mixing bowl is clean and not blocked
		» if the error persists, contact your dealer
E011	canister motor malfunction	 reset the message on the screen, if the error repeats verify the following:
		» remove the canister and try again
		» remove the ingredient powder from the canister and try again
		» if the error persists, contact your dealer
	very low speed, i.e. when ve	rthe hardware when the canister motor is running at ry small amounts of ingredients are dispensed, which is with a very low ingredient/water ratio.
E012	coin mechanism missing	 reset the message on the screen, if the error repeats verify the following:
		» check whether the payment device is correctly connected
		» if the error persists, contact your dealer
E013	coin mechanism defective	 reset the message on the screen, if the error repeats verify the following:
		» check whether the payment device is correctly connected
		» if the error persists, contact your dealer



code	description	action
E014	coin mechanism blocked	 reset the message on the screen, if the error repeats verify the following:
		» check the payment device for any blockages
		» if the error persists, contact your dealer
E015	coin mechanism sabotaged	 reset the message on the screen, if the error repeats verify the following:
		» check the payment device for any damages
E016	coin mechanism communication error	 reset the message on the screen, if the error repeats verify the following:
		» check whether the payment device is correctly connected
E017	coin mechanism general error	 reset the message on the screen, if the error repeats verify the following:
		» check whether the payment device is correctly connected
E018	cashless device general error	 reset the message on the screen, if the error repeats verify the following:
		» check whether the payment device is correctly connected
E019	cup detection communication error	 reset the message on the screen, if the error repeats verify the following:
		» check whether the cup detection is correctly working (see screen 6.1.10c on p.44)
		» if the error persists, contact your dealer
E020 - E025	not used	
E026	contact your dealer for necessary maintenance	reset the message on the screen, contact your dealer for required maintenance (the error message will occur more frequently than the previous warning message W020)



7.3 Other problems

In addition to the messages and errors present in the machine, a number of other problems may occur; these problems are described below.

Problem description	Possible cause	Check the following		
drink to weak	almost out of powder in ingredient canister	Ingredient container		
	strength not correct	 adjust drink settings in the recipe editor » if the error persists, contact your dealer 		
drink to strong	strength not correct	 adjust drink settings in the recipe editor » if the error persists, contact your dealer 		
no water dosed	hose blocked	• contact your dealer		
mixing unit clogs up	mixing unit not cleaned	clean the mixing unit		
	to much powder	 check the advise dosing of the packaging of the powder, use a scale to weight the amount of powder used 		
	powder used which is not applicable for vending machines	• use powder that is applicable for vending machines		
	pump calibration not correct	 calibrate the pump (availability depends on PIN setting) 		
		• contact your dealer		
	mixer defect or missing	check the mixer		
	mixing unit damaged	check the mixing unit		
	fan rotor does not turn	 clean the fan rotor and housing or remove any blockage » if the error persists, contact your dealer 		
mixing unit overflows water	pump calibration not correct	calibrate the pump (availability depends on PIN setting)		
		• contact your dealer		
	mixing bowl clogged up	 mixing bowl, see previous descriped problem if the error persists, contact your dealer 		
mixing unit leaks	mixing bowl seal leaks	clean the complete mixing unit » if the error persists, contact your dealer		



Problem description	Possible cause	Check the following		
no faom on the drink	mixer speed not correct	 adjust the mixer speed (availability depends on PIN setting) » if the error persists, contact your dealer 		
	type of instant ingredient	try a different instant ingredient		
to much foam on the drink	mixer speed not correct	 adjust the mixer speed (availability depends on PIN setting) » if the error persists, contact your dealer 		
not enough water dosed	scale in the water system	descale the machine » if the error persists, contact your dealer		
fan rotor does not run	fan not cleaned	 clean the fan rotor and housing or remove any blockage if the error persists, contact your dealer 		
water dispensed in wrong outlet	scale in water selector	• descale the machine » if the error persists, contact your dealer		
machine doesn't turn	switch not turned on	• turn on the switch on the backside		
on	no power	• check the power supply » if the error persists, contact your dealer		
message safety circuit interupted in the	door and lid not closed	first close the lid and then the door		
display	service key not placed	• place the service key » If the error persists, contact your dealer		
touch screen display sometimes not	touch screen filthy	• turn off the machine and clean the touch screen with a damp cloth		
responsive		► Do not use agressive detergents. » if the error persists, contact your dealer		
cup not detected while the 'cup detection kit' is	cup is too transparent	 check whether the cup detection is correctly working (see screen 6.1.10c on p.44) 		
installed	sensor screen filthy	• turn off the machine and clean the sensor screen with a damp cloth		
		► Do not use agressive detergents.		
	cup detection is disabled	• enable the cup detection in the software, see §6.3.6 on p.85 » if the error persists, contact your dealer		



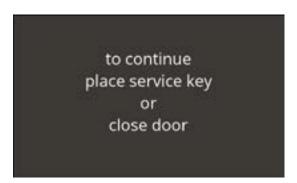
8. Appendix

8.1 Filter information and water hardness

	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 I.	1500 l.	1000 l.	500 l.	250 l.

- ▶ The capacity of a water filter depends on the type and local hardness of the water.
- ► See §6.1.6 on p.32 to set the water hardness.

8.2 Door switch functionality



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

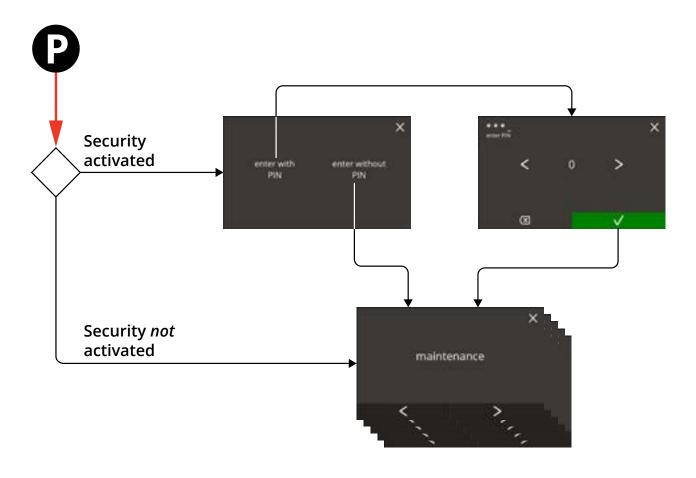
The following hardware will become inactive:

- all mixers
- all canisters
- boiler
- appliances that are connected to the 24V safety of the bus system
 - ► When the door switch is activated during dosing of a beverage, the dosing is cancelled and the mixer cup is cleaned by a post flush.



8.3 PIN code security settings

The table below lists the available menu options associated with the PIN codes. When a PIN code is *not* set, all menu items are available and the table must be ignored.



Section	Menu name	PIN 1	PIN 2	without PIN
6.	Programming menu	✓	✓	✓
6.1	Maintenance menu	✓	✓	✓
6.1.1	Rinse the mixing system	✓	✓	✓
6.1.2	Descale	✓	✓	✓
6.1.3	Water filter management	✓	✓	✓
6.1.4	Hot-key rinsing function	✓	✓	×
6.1.5	Cleaning management	✓	✓	×
6.1.6	Descale management	✓	✓	×
6.1.7	Canister calibration	✓	✓	×
6.1.8	Pump calibration	✓	×	×
6.1.9	Input test	✓	×	×
6.1.10	Output test	✓	×	×
6.1.11	Cleaning instructions	✓	✓	✓
6.1.12	Counters	✓	✓	✓
	reset day counters	√	✓	√
	reset all counters	✓	×	×



Section	Menu name		PIN 2	without PIN
6.2	Beverage menu	✓	✓	×
6.2.1	Add beverage to screen	✓	✓	×
6.2.2	Change beverage name	✓	✓	×
6.2.3	Change beverage icon	✓	✓	×
6.2.4	Change beverage price	✓	✓	×
6.2.5	Recipes	✓	√	×
	recipe editor	✓	✓	×
	delete recipe	✓	✓	×
6.2.6	Select ingredients canisters	✓	✓	×
6.2.7	Change ingredient name	✓	✓	×
6.3	Machine menu	✓	✓	×
6.3.1	Date	✓	✓	×
6.3.2	Time	✓	✓	×
6.3.3	Language	✓	✓	×
6.3.4	Screensaver management	✓	✓	×
6.3.5	Background	✓	✓	×
6.3.6	Cup detection (optional)	✓	✓	×
6.3.7	Display brightness	✓	✓	×
6.3.8	Sound level feedback	✓	✓	×
6.3.9	Boiler temperature	✓	✓	×
6.3.10	Energy-saving mode (ECO)	✓	✓	×
6.3.11	Security settings	✓	✓	×
6.3.12	Connected devices	✓	✓	×
6.3.13	Reset to factory settings	✓	×	×
6.4	Software menu	✓	✓	✓
6.4.1	Machine and software information	✓	✓	✓
6.4.2	Error log	✓	✓	×
6.4.3	Warning log	✓	✓	×
6.4.4	Import machine settings	✓	×	×
6.4.5	Export machine settings	✓	×	×
6.4.6	Update software	✓	×	×
6.4.7	Export machine log	✓	×	×
6.4.8	Software update history	✓	×	×
6.5	Online info	✓	✓	✓

[▶] Menu items secured by PIN codes will be greyed out, see $\S6.3.11$ on p.91 to set the PIN codes.



8.4 Special functions

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

8.4.2 Cancel beverage on/off

See §6.3.12 on p.96.

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

8.4.1 Quick rinse



By pressing on the beverage selection screen for 5 seconds the quick rinse is immediately activated with 90 ml (hot water) per mixing system.

► To set this function, see §6.1.4 on p.29.



Brewing your coffee

SINCE 1948

