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.

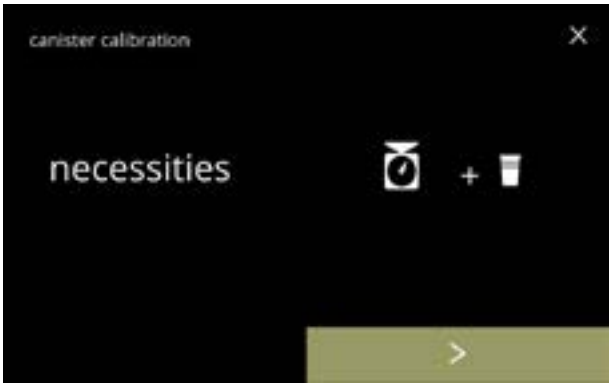
Necessities:
- empty cup
- precision scale

6.1.7



Canister calibration procedure:
- press "*canister calibration*" to confirm
- press ‹ or › to scroll through the maintenance menu

6.1.7a



Make sure all necessities are available.
- press › to go to the next screen

6.1.7b

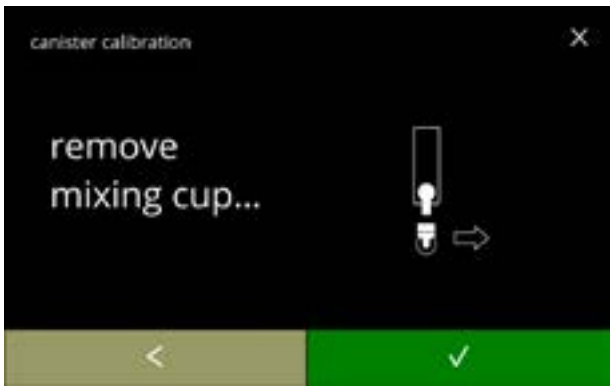


Canister selection:

► *The number of canisters may vary per configuration, see* *§8.3 on p.139*.

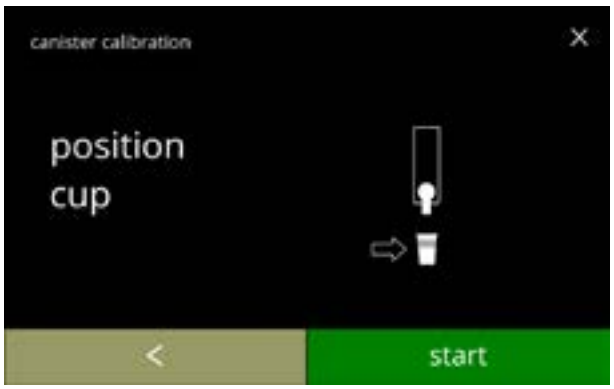
- press ‹ or › to select a canister
- press ✓ to confirm and go to the next screen
- press › to go to the next screen
- press ‹ to go to the previous screen

6.1.7c



Information screen:
- turn the fixation ring counter-clockwise
- remove the complete mixing system and the condense reservoir
- press ☑ to confirm and go to the next screen
- press ☇ to go to the previous screen

6.1.7d



Information screen:

► *Tare your precision scale with an empty dry cup*

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

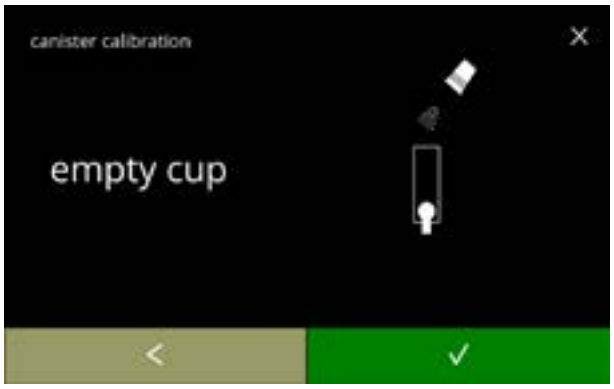
6.1.7e



Pre-calibration dosing:
- wait for the next screen

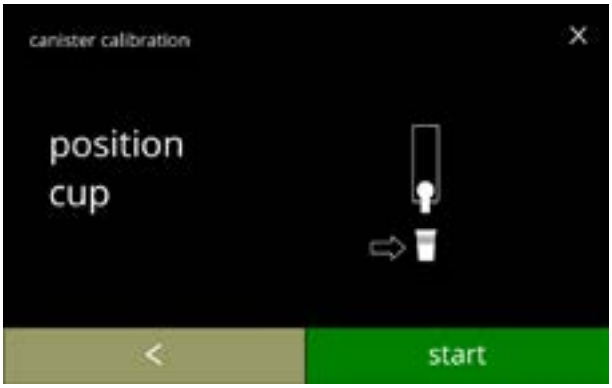
► *The canister motor will turn to fill up the outlet.*

6.1.7f



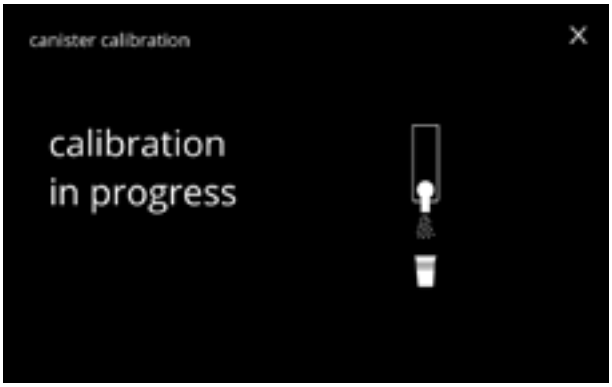
Pre-calibration dosing:
- throw the collected ingredient back into the canister
- press ☑ to confirm and go to the next screen
- press ☇ to go back to screen 6.1.7d

6.1.7g



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

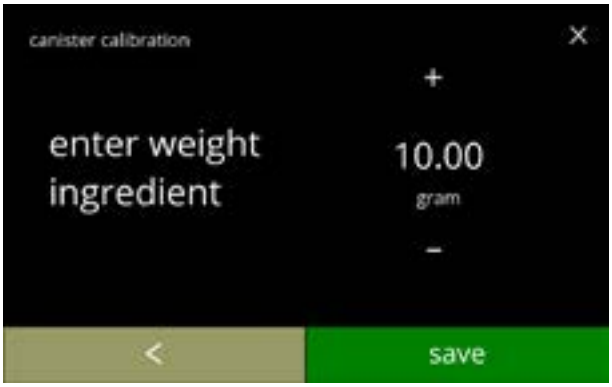
6.1.7h



Dosing:
- wait for the next screen

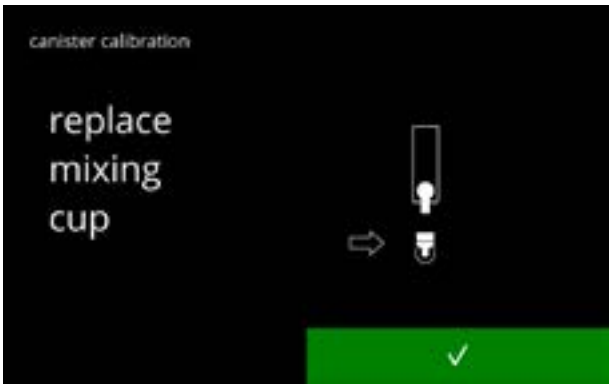
► *The canister motor starts and stops several times.*

6.1.7i



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 < to go back to screen 6.1.7f

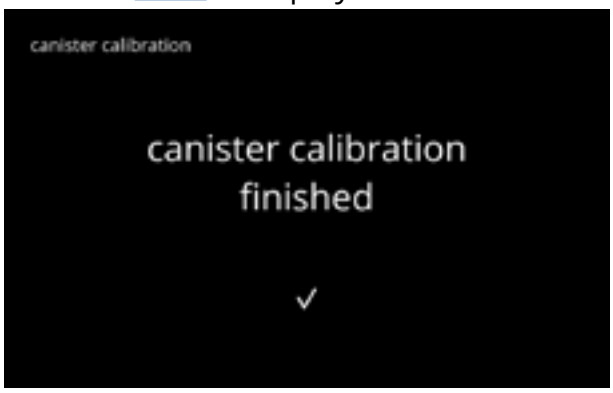
6.1.7j



Calibration completed:
- put the mixing system back in place
- press ✓ to confirm

Information screens:
• screen 6.1.7 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)

6.1.8



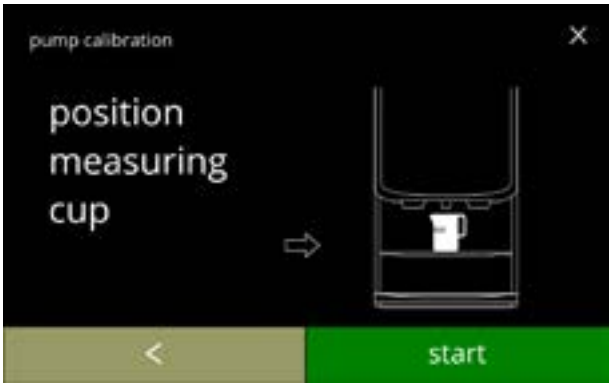
Pump calibration procedure:
- press "*pump calibration*" to confirm
- press ‹ or › to scroll through the maintenance menu

6.1.8a



Make sure all necessities are available.
- press › to confirm and go to the next screen

6.1.8b



Information screen:
- put the *empty* measuring jug under water outlet
- press start to begin the dosing

  ► *Please note the machine dispenses hot water.*
- press ‹ to go to the previous screen

6.1.8c

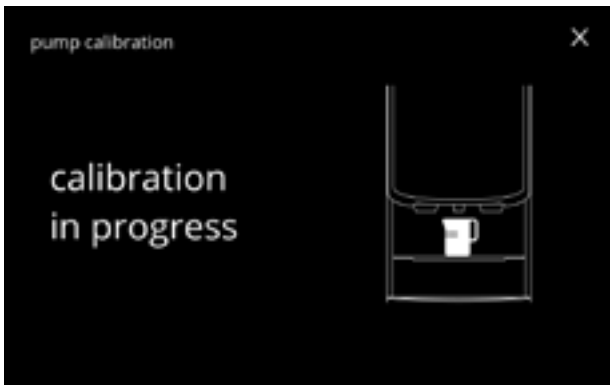


Warning screen:

► *The warning screen is displayed for a few seconds.*

- wait for the next screen

6.1.8d

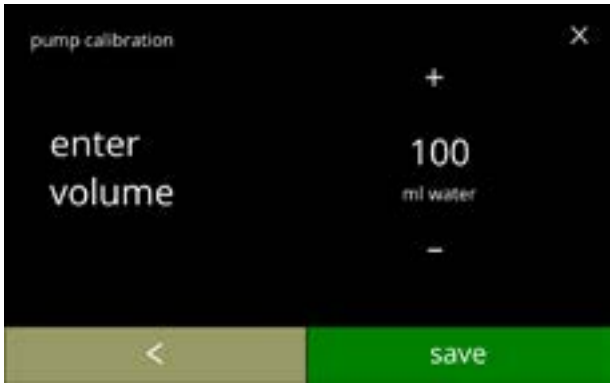


Hot water dosing in progress:

- wait for the next screen

► *Hot water from water outlet.*

6.1.8e



Determine volume:

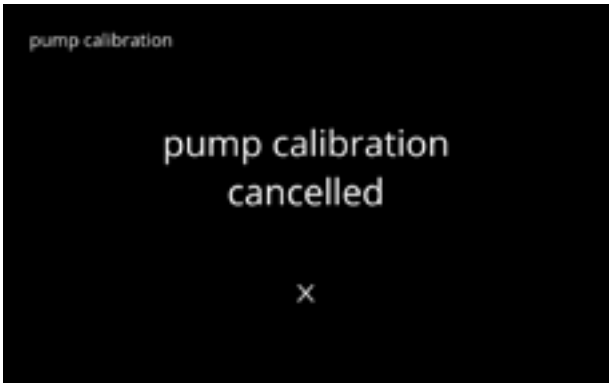
- read off the amount of water dosed
- press ✚ or ▬ to enter the volume on the screen
- press save to confirm and go to the next screen
- press ‹ to go back to screen 6.1.8b

6.1.8f

Information screens:

- screen 6.1.8 is displayed after a few seconds





6.1.9 Input test

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

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

► *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.*

6.1.9



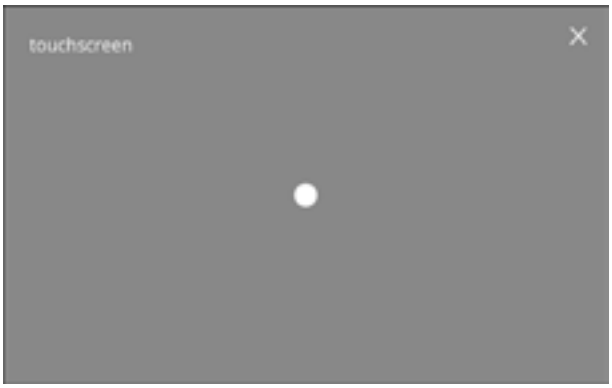
Input test
- press "*input test*" to confirm
- press ‹ or › to scroll through the maintenance menu

6.1.9a



Select an input test:
- press test to go to the next screen
- press ^ or v to select another component

6.1.9b



Touchscreen:
- touch anywhere on the screen and the dot moves to the point of contact

► *Swiping is not available.*

6.1.9c



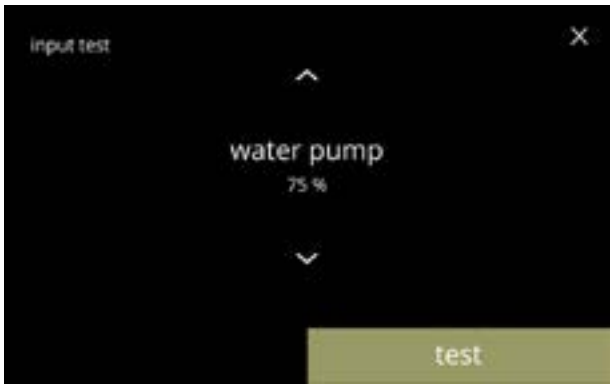
Door switch/safety key:
- remove the service key and replace it resulting in false/true
- press ⌃ or ⌄ to select another component

6.1.9d



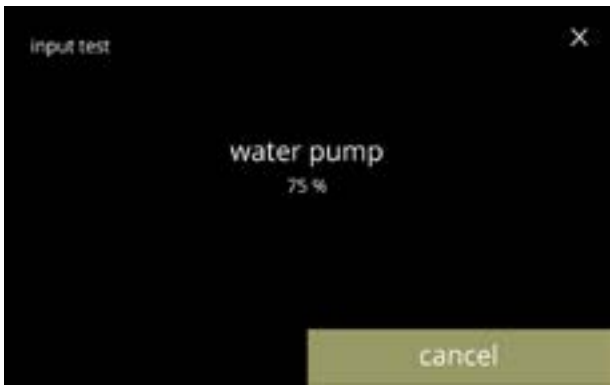
Float:
- shows current state on screen (true=wet or false=dry)
- press ⌃ or ⌄ to select another component

6.1.9e



Low pressure pump:
- shows current speed of the motor on screen
- press test to go to the next screen
- press ⌃ or ⌄ to select another component

6.1.9f



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

6.1.9g



NTC sensors:
- shows current temperature on screen
- press test to go to the next screen
- press ⌃ or ⌄ to select another component

6.1.9h



Test the NTC sensors:

► *The heating element is on for 10 seconds, so the temperature on the screen should change.*

- press cancel to go back to previous screen

6.1.9i



Fliptray switch:
- moving the fliptray is resulting in up/down
- press ⌃ or ⌄ to select another component

6.1.10 Output test

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

- buzzer
- canister motor
- mixer motor
- low pressure pump
- heating element
- magnetic inlet valve
- fan motor
- 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.*

6.1.10

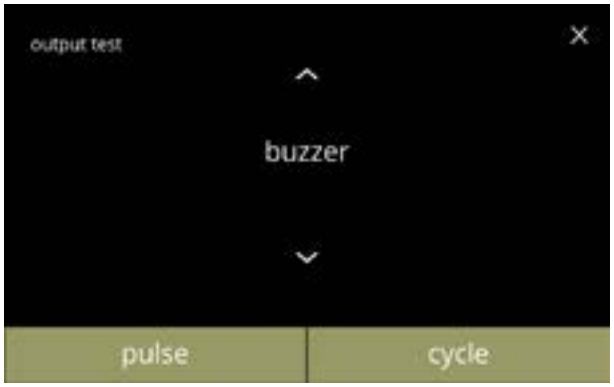


Output test
- press "*output test*" to confirm

► *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

6.1.10a



Buzzer test:
- press pulse,
  result: short *'beep'*
- press cycle,
  result: multiple short *'beeps'*
- press ⌃ or ⌄ to select another component

6.1.10b



Canister motor test:
- press test to select a canister in the next screen

► *The number of canisters may vary per configuration, see §8.3 on p.139.*

- press ⌃ or ⌄ to select another component