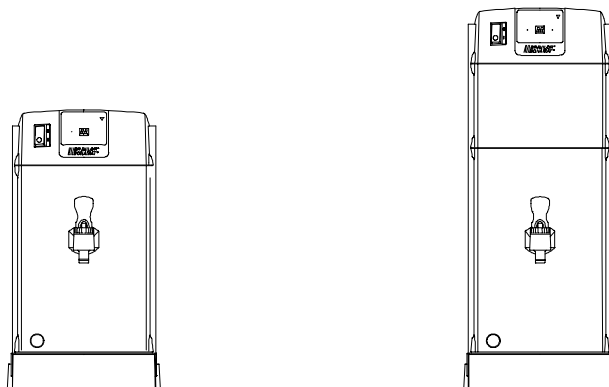# Bravilor Bonamat®

RLX
HOT–WATER MODULE

700.403.276A
Bravilor Bonamat®

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1. MODULES 3 AND 7 (HOT WATER)

1.1 Introduction

In this document, the specific information for the above–mentioned module is discussed. Please also thoroughly read the general user instructions.

1.1.1 General description

These modules are designed for the preparation of hot water. As soon as the module is switched on using the ON/OFF switch, the water will be heated. The water is drawn off using the draw–off tap.
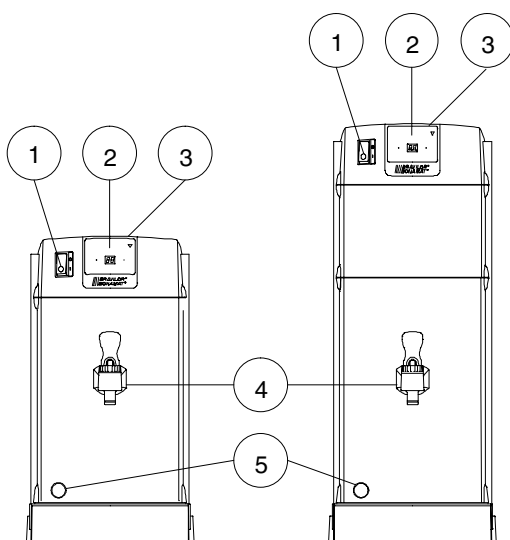
1.1.2 Main components

Fig. 1 Main components hot–water modules

1. ON/OFF switch
2. operating panel
3. pouring opening descaler
4. draw–off tap
5. condensation outlet

1.2 Technical data

- See table 1 for additional technical information about the hot–water modules.

	Modules 3 and 7
Boiler capacity	4 litre
hourly capacity	18 litre
water reserve	1,7 litre

Table 1 Technical information

1.3 First use

The hot–water module will automatically run a **boiling programme** to determine the boiling point of the water. *This only happens when the machine is put into operation for the first time*. This is necessary because the boiling point depends on the local atmospheric pressure. For example, the boiling point at sea–level will be approx. 100°C, whereas at a height of 2.000 m the boiling point might be as low as 97°C.

During the determination of the boiling point, the display will show '00'.

After switching on the mains voltage, the water in the boiler will be heated to the maximum temperature that can be reached (this is the temperature at which the water is boiling). The temperature of the boiling point is now recorded in the machine.

1.3.1 Flushing

1. Switch on the module.
   – Wait until the *boiling programme* is finished.
2. Drain the reservoir completely using the draw–off tap.

The module is now ready for use.

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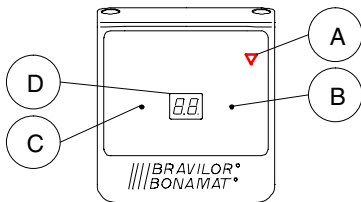
1.4 Daily use

1.4.1 Operating panel

Fig. 2 Control panel hot–water modules

A. **descaling indication** ▽
   Will flash to show that the machine needs to be descaled.
B. **[–] button**
   Push button to change the values during programming.
C. **[+] button**
   Push button to change the values during programming.
D. **display**
   Displays the temperature of the water in °C.

1.4.2 Operation

1.4.2.1 Preparing hot water

1. Switch on the module.
   – The boiler is filled and the water is heated up.
   – During the filling and heating process, the temperature indication on the display flashes.
2. Wait until the temperature indication stops flashing.

The module is now ready for tapping of hot water.

1.4.2.2 Tapping hot water

1. Place a cup or jug under the tap and pull the handle forward.

TIP
   – The tap can be locked in the open position by pushing the handle fully away from you against the spring pressure.

1.5 Programming the module

The operating panel is also used for programming purposes.

During programming, the [–] button (B.) serves to lower certain values, and the [+] button (C.) to raise them.

P1 (temperature):
Setting the water temperature.
Can be set from 55°C to 3 degrees less than the boiling point.

P2 (counter position descaling):
Setting the counter position, at which the descaling signal ▽ is to start flashing.

P3 (total):
Reading the total number of litres of water that has run through the module.

	Factory setting	Set by you
P1	"boiling temperature –4°C"	
P2	3	

1. Simultaneously press the *[+]* button () and the *[–]* button (B.) to start the programming mode.
2. Keep them pressed for about 10 seconds, until P1 appears on the display.
3. Let go of the buttons.
   – The value for P1 appears.
4. Adjust, if desired, the value.
5. Press both buttons once or twice, for a short moment, to select the next P values.
6. Wait for about 60 seconds.
   – The programming mode will automatically be switched off, storing the set value.

1.6 Maintenance

1.6.1 General

- See §1.5 of the *"General user instructions"*.

1.6.2 Descaling

WARNING

△ Always wear gloves and protective facial gear during the descaling procedure.

△ Remain near the machine during the descaling process.

1. First read the *"General user instructions"* §1.5.3.
2. Make sure there is a sufficiently large container (min. 5 litres) to collect the liquid.
3. Switch off the module.
4. Drain off the water using the hot water draw–off tap.
5. Remove the plug from the pouring opening (2.).
6. Pour in cold water (1 litre) through the pouring–in opening of the module, using the funnel.
7. Drain off the water using the hot water draw–off tap.
8. Dissolve 100 gr. of **Renegite** in a $^1/_2$ litre of water (40°C).
9. Carefully pour the **Renegite** solution into the pouring opening, using a funnel.
10. Seal off the pouring opening with the plug.
11. Switch on the module.
12. Wait until the water is heated up (the indicator on the display will stop flashing).
13. Switch off the module.
14. Remove the plug from the pouring opening (2.).

15. Draw off 4 cups of **Renegite** solution and pour back into the pouring opening, using the funnel.
16. Now wait approx. 5 minutes.
17. Seal off the pouring opening with the plug.
18. Switch on the module.
19. Every minute (3 times in total) draw off 4 cups of **Renegite** solution via the draw–off tap.
20. Switch off the module.
21. Draw off as much **Renegite** solution as possible using the draw–off tap.

WARNING

△ The water can be very hot.

22. Draw off the remainder of the **Renegite** solution using the special drain–off tap (located behind the drip–tray).
23. Place the plug back on the drain.
24. Switch on the module.
25. Wait for 10 minutes.
26. Repeat steps 20. through 25. twice.
27. Wait until the water is heated up (the indicator on the display will stop flashing).
28. Draw off approx. 1 litre of water using the draw–off tap, so that the draw–off tap is rinsed thoroughly.
29. Press the *[–]* button (B.) for 30 seconds to reset the descaling signal to zero.

1.7   Correcting malfunctions

● See §1.6.1 of the *"General user instructions"*.

1.7.1   Malfunctioning analysis hot–water module

LIST OF MALFUNCTIONS		
Symptom:	**Possible cause:**	**Actions:**
1. On the display, '00' is flashing constantly.	The machine will start up the boiling programme.	Wait until the boiling programme is finished.
2. When switching on the module, the display will light up and immediately afterwards will go off.	The boiling programme is interrupted.	Wait until the temperature in the kettle has gone down, to below 50°C.
3. Descaling signal is flashing.	Descaling counter has reached the maximum number of litres.	Run the descaling sequence on the module, see §1.6.2.
4. Descaling signal is still flashing.	The counter has not been reset after running the descaling procedure.	Reset the descaling counter, see §1.6.2 item 29.
5. The water temperature is too low or too high.	During programming, the temperature has been set too high or loo low.	Adjust the set water temperature, see §1.5.

1.7.2   Display messages

DISPLAY MESSAGES		
	Possible cause:	**Actions:**
E1	The overflow protection was activated.	Check the supply hose for any kinks.
		Check the water pressure at the same time.
		Reset the system afterwards: set the ON/OFF switch to the off position and then switch it on again.
		Call in service.
E2	Temperature sensor is loose or broken.	Switch the ON/OFF switch off.
		Call in service.