

## B (HW) (BEFORE 2000)

### During installation

### For the end user

Symptom	Possible cause	Action
1. When the selector switch is pressed nothing happens.	Electric current interrupted.	Restore electricity supply.
2. The machine comes on but very quickly turns off without completing the coffee-making cycle.	Water supply interrupted. Water pressure too low.	Remove blockage in water supply. Check the filter in the magnetic valve of the machine.
3. As point no. 2, but water also flows out of the overflow.	The machine is out of order.	Turn off the water supply and contact your dealer or service engineer.
4. Overflows at the overflow pipe, water under the machine.	Too much water poured in. Malfunction somewhere in the machine.	Read the instructions for use again. Ring the BRAVILOR dealer.
5. Overflows at VHG.	Malfunction somewhere in the machine.	Ring the BRAVILOR dealer.
6. LED blinks.	Swivel-arm not in correct position (above the Water divider).	Turn the swivel-arm until it is over the Water divider.
7. When the heating system is turned on the indicator lamp in the switch fails to light up.	Electric current interrupted.	Restore electrical power (The VHG plug should be placed in the socket in the column).

### For the maintenance engineer

Symptom	Possible cause	Action
1. Water overflows at the overflow pipe, water under the machine.	Magnetic valve remains mechanically open.	Test the magnetic valve separately.
	Circuit is not being completed.	Check the electrode wire tree.
		Check upper electrode.
	Water too soft.	Adjust water softener.
		Increase electrode surface area.
	Short circuit in reed switch.	Replace reed switch.
2. Water overflows at the VHG.	Electrodes not properly adjusted.	Reduce distance between electrodes.
	Number of steps not correct.	Check printed circuit settings.
3. There is no water coming out of the machine (lamp in switch and ON/OFF lamp are both on).	Machine has boiled dry: protective circuitry has been activated.	Take the plug out of the socket. Remove the front panel and reset the boil-dry safety switch(es) (press it/them in).

4. The VHG switch is not lit.	Fuse holder is not right.	Remove the front panel from the column and check the fuse holder.
	Fuse (internal) has blown.	Replace the fuse.
	Switch is broken.	Replace the switch.

## During use

### For the end user

Symptom	Possible cause	Action
1. Water overflows between filter holder and Water divider.	Coffee too finely ground.	Use standard ground coffee.
	Water too soft (approx. 6°DH).	Ring BRAVILO dealer.
2. Cold coffee comes out of the container.	Container heating system not working.	Turn on the container heating system switch.
3. Coffee spills out when a full container is being transported.	Anti-wave plate missing.	Fit the anti-wave plate to the container correctly.

### For the maintenance engineer

Symptom	Possible cause	Action
1. Water overflows between filter holder and Water divider.	Coffee too finely ground.	Use standard ground coffee.
		Use a coffee filter or a micro-fine filter.
	Water too soft (approx. 6°DH).	Reset water softener to > 6°DH.

## During service

Symptom	Possible cause	Action
1. During de-scaling no water comes out of the machine (LED is lit).	Flow boiler temperature too high	Remove plug from socket. Push in boil-dry safety system reset button.