

3L-1 / 5L



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1	Safety	2
1.1	Explanation of Signal Words	2
1.2	Safety instructions.....	3
1.3	Intended Use	7
1.4	Unintended Use	7
2	General information	8
2.1	Liability and Warranty	8
2.2	Copyright Protection	8
2.3	Declaration of Conformity	8
3	Transport, Packaging and Storage	9
3.1	Delivery Check.....	9
3.2	Packaging	9
3.3	Storage	9
4	Technical Data.....	10
4.1	Technical Specifications	10
4.2	Functions of the Appliance.....	11
4.3	List of Components of the Appliance	12
5	Installation and operation	13
5.1	Installation.....	13
5.2	Operation	14
6	Cleaning and Descaling.....	20
6.1	Safety Instructions for Cleaning	20
6.2	Cleaning.....	21
6.3	Descaling.....	22
7	Possible Malfunctions.....	23
8	Disposal.....	24



Read this instruction manual before using and keep it available at all times!

This instruction manual contains information about installation, operation and maintenance of the appliance and constitutes an important source of information and reference guide. The knowledge of all operational and safety instructions included in this manual is a prerequisite for safe and proper handling of the appliance. Additionally, accident prevention, occupational health and safety, and legal regulations in force in the area the appliance is used apply.

Before you start using the appliance, especially before turning it on, read this instruction manual in order to avoid personal injuries and property damages. Improper use may cause damage.

This instruction manual forms an integral part of the product and must be stored in an immediate vicinity of the appliance and be available at all times. The instruction manual should be transferred together with the appliance.

1 Safety

This appliance has been manufactured in accordance with technical standards currently in force. However, the appliance may be a source of hazards if used improperly or contrary to its intended purpose. All persons using the appliance must consider information included in this instruction manual and observe safety instructions.

1.1 Explanation of Signal Words

Important safety instructions and warning information are indicated in this instruction manual with appropriate signal words. You must strictly follow the instructions, to prevent accidents, personal injuries and property damages.



DANGER!

The signal word **DANGER** warns against hazards that lead to severe injuries or death if the hazards are not avoided.



WARNING!

The signal word **WARNING** warns against hazards that may lead to moderate or severe injuries or death if the hazards are not avoided.



CAUTION!

The signal word **CAUTION** warns against hazards that may lead to light or moderate injuries if the hazards are not avoided.

IMPORTANT!

The signal word **IMPORTANT** indicates possible property damages, which may occur if safety instructions are not observed.

NOTE!

The symbol **NOTE** indicates subsequent information and guidelines for the user on usage of the appliance.

1.2 Safety instructions

Electrical Current

- Too high a mains voltage or incorrect installation may cause electric shock.
- The appliance may be connected only if data on the rating plate correspond with the mains voltage.
- To avoid short-circuit, the appliance should be kept dry.
- If there are malfunctions during operation, disconnect the appliance from the power supply.
- Do not touch the appliance's plug with wet hands.
- Never take hold of the appliance if it has fallen into water. Immediately disconnect the appliance from the power supply.
- Any repairs or housing opening may be carried out by professionals and relevant workshops only.
- Do not transport the appliance, holding it by the power cord.
- Do not allow the power cord to come into contact with heat sources or sharp edges.
- Do not bend, pinch nor knot the power cord.

- Always completely unwind the power cord.
- Never place the appliance or other objects on the power cord.
- Always take hold of the plug to disconnect the appliance from the power supply.
- Check the power cord regularly for damage. Do not use the appliance if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.

Flammable Materials

- Never subject the appliance to contact with high temperature sources, e.g.: oven, furnace, open flame, heat generating devices, etc.
- To avoid fire hazard, clean the appliance regularly.
- Do not cover the appliance with, e.g., aluminium foil or cloths.
- Use the appliance only with materials designated to this end and with correct temperature settings. Materials, groceries and left-overs remaining in the appliance may catch fire.
- Never use the appliance near flammable or inflammable materials, e.g.: petrol, spirit, alcohol, etc. High temperature triggers evaporation of these materials, and, as a result of contact with sources of ignition, an explosion may occur.
- In case of fire, disconnect the appliance from the power supply before attempting suitable fire-extinguishing actions.
- Never attempt to extinguish fire with water if the appliance is connected to the power supply. Following extinction of fire, ensure sufficient fresh air inflow.

Safety

Hot Surfaces

- Surfaces of the appliance become hot during operation. Burning hazard! High temperature remains for some time after switching the appliance off.
- Do not touch any hot surfaces of the appliance. Use the provided handling elements and holders.
- You may transport and clean the appliance after it cools down entirely.
- It is prohibited to sprinkle hot surfaces with cold water or flammable liquids.

Risk of scalding with hot steam / hot water / condensate!

- Avoid contact with steam escaping from the water tank. Never remove the lid of the water tank during boiling and heating up.
- Never pour water into the water tank during boiling. Leave the appliance to cool before re-filing it.
- Never move nor re-locate the appliance during boiling and heating up.
- After boiling, water in the water tank becomes very hot! Be particularly cautious when handling hot fluids.

Health hazard due to germs!

- The tank must be regularly emptied and disinfected to eliminate the possibility of accumulation of harmful and dangerous germs.

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Supervised Usage only

- Only supervised appliance may be used.
- Always remain in an immediate vicinity of the appliance.

Operating personnel

- This appliance is not intended to be used by persons (including children) with limited physical, sensory or mental capabilities, nor by persons with limited experience and/or limited knowledge.
- Children should be supervised to ensure that they are not playing with or switching the appliance on.

Improper use

- Unintended or prohibited use may cause damage to the appliance.
- The appliance may only be used in a technically flawless condition, providing for safe use.
- The appliance may only be used with connections in a technically flawless condition, providing for safe use.
- The appliance may only be used clean.
- Use only original spare parts. Never attempt to repair the appliance on your own.
- Do not attempt to modify nor alter the appliance.

1.3 Intended Use

As described below, every use of the appliance for a purpose differing and/or diverging from its intended standard use, is prohibited and considered to be an unintended use.

The following is an intended use:

- Preparing tea and other hot and instant beverages.

This appliance is intended for use in households and similar places, e.g.:

- in employee canteens in shops, offices, and similar areas;
- on farms;
- by customers in hotels, motels, and other typical accommodation establishments;
- in lodging-houses.

1.4 Unintended Use

An unintended use may lead to personal injuries or property damages caused by hazardous voltage, fire or high temperature. The appliance may only be used to perform tasks described in this instruction manual.

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The following is an unintended use:

- Heating up milk or frothing liquids.
- Heating up soups, sauces or similar thick dishes.
- Heating or boiling of liquids containing sugar, sweeteners, acids, lyes, or alcohols.
- Storing and heating up flammable, harmful, and quickly evaporating liquids or materials, etc.

2 General information

2.1 Liability and Warranty

All information and instructions in this instruction manual account for legal regulations in force, current level of technical engineering knowledge as well as our expertise and experience, developed over the years. If special models or additional options are ordered, or state-of-the-art technical solutions were implemented, the actual scope of delivery of the appliance may, in some circumstances, differ from descriptions and numerous drawings in this instruction manual.

The manufacturer is not liable for any damages nor faults stemming from:

- failure to observe instructions,
- unintended use,
- technical alterations introduced by the user,
- usage of unapproved spare parts.

We reserve the right to introduce technical modifications to the product, intended for improvement of the appliance and its performance.

2.2 Copyright Protection

This instruction manual, and texts, drawings and images included in it, as well as its other components are copyright protected. It is prohibited to reproduce this instruction manual (including its excerpts), in any form and by any means, and to use and/or transfer its content to third parties without manufacturer's written permission. Violation of the above results in obligation to pay compensation. We reserve the right to claim further damages.

2.3 Declaration of Conformity

The appliance meets the currently applicable standards and guidelines of the European Union. We confirm the above in the EC Declaration of Conformity. We may provide relevant Declaration of Conformity upon request.

3 Transport, Packaging and Storage

3.1 Delivery Check

Immediately upon reception, check the delivery for completeness and possible shipping damage. In the case of visible transport damage refuse to accept the appliance or accept it conditionally. Mark and note the scope of damage in shipping documents/consignment list of the shipping company and lodge a complaint.

Concealed damage must be reported immediately upon its discovery, as compensation claims may only be filed within applicable time limits.

If you find that parts or accessories missing, please contact our Customer Service Department.

3.2 Packaging

Do not dispose of the appliance cardboard box. It may be used to store the appliance when relocating or when shipping the appliance to our service point in the case of any damages.

The packaging and its elements are made of recyclable materials. Particularly, these are: plastic films and bags, cardboard box.

When disposing of the packaging, observe applicable domestic regulations. Recyclable packaging materials should be recycled.

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3.3 Storage

Leave the packaging closed until installation of the appliance; observe external indications concerning method of placing and storage. Store the packaging in the following conditions only:

- in closed rooms;
- in dry and dust-free surrounding;
- away from aggressive agents;
- in a location protected against sunlight;
- in a location protected against mechanical shocks.

In the case of extended storage (over three months), make sure you check the condition of the packaging and the parts regularly. If needed, replace the packaging with a new one.

4 Technical Data

4.1 Technical Specifications

Name:	Samovar 3L-1
Art. No.:	191007
Material:	stainless steel, plastic
Volume, in l:	3
Temperature range, min.–max., in °C:	30 - 100
Max. glass/cup height. in mm:	125
Power load:	2 kW 220-240 V 50/60 Hz
Dimensions (W x D x H), in mm:	310 x 290 x 538
Weight, in kg:	2,5

We reserve the right to implement technical modifications.

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Name:	Samovar 5L
Art. No.:	191010
Material:	stainless steel, plastic
Volume, in l:	5
Temperature range, min.–max., in °C:	30 - 100
Max. glass/cup height. in mm:	125
Power load:	2 kW 220-240 V 50/60 Hz
Dimensions (W x D x H), in mm:	310 x 290 x 585
Weight, in kg:	2,54

We reserve the right to implement technical modifications.

Technical Data

Version / characteristics

- Colour: silver
- Control: electronic, knob
- Temperature control:
 - stepless
 - thermostatic
- Temperature maintaining function
- Heating element:
 - 2 heating coils: 1.5 kW and 0.5 kW
 - boiling at 100°C with 1.5 kW heating coil
 - warm-keeping at 90°C with 0.5 kW heating coil
- Overheating protection
- With handles
- Handle characteristics: thermally insulated
- Automatic cutoff
- Control:
 - electronic
 - control knob
- Indicator lights:
 - heating (red)
 - warm-keeping (orange)
- The set includes:
 - 1 stainless steel teapot, volume 1 litre
 - 1 tea strainer

4.2 Functions of the Appliance

The samovar is used for boiling water for tea, tea essence and other hot and instant beverages.

4.3 List of Components of the Appliance

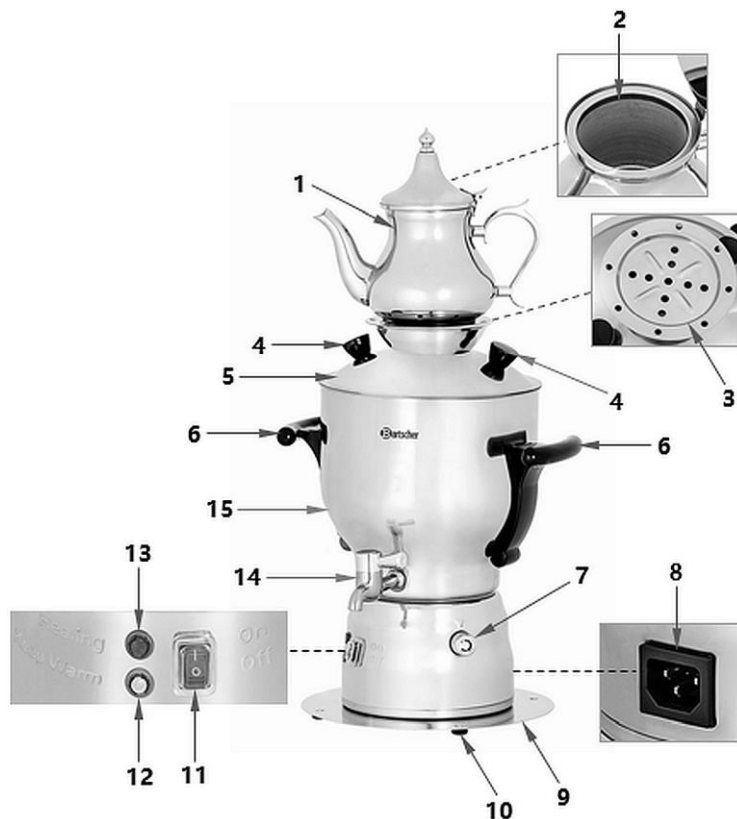


Fig. 1

- | | |
|--|---|
| 1. Teapot | 2. Tea strainer |
| 3. Spot on the lid where to put the teapot | 4. Lid handle (2x) |
| 5. Lid | 6. Handle of the water tank (2x) |
| 7. Temperature controller | 8. IEC socket |
| 9. Stainless steel base | 10. Feet (4x) |
| 11. ON/OFF switch | 12. Warm-keeping indicator light (orange) |
| 13. Heating-up indicator light (red) | 14. Dispensing tap |
| 15. Water tank | |

5 Installation and operation

5.1 Installation

Unpacking / Positioning

- Unpack the appliance, remove all external and internal packaging elements and shipment safeguards.



CAUTION!

Choking hazard!

Prevent children from accessing package materials, for instance: plastic bags and EPS.

- If the appliance is covered with a protective film, remove it. Remove the film slowly, so no glue residues are left. Remove any glue residues with the use of a suitable solvent.
- Be careful not to damage the rating plate and warning labels fixed on the appliance.
- **Never** place the appliance in humid or wet environment.
- Place the appliance in a way making the connections easily accessible, so that they may be quickly disconnected if such a need arises.
- The appliance should be placed on surfaces that are:
 - even, with sufficient bearing capacity, resistant to water, dry and resistant to high temperatures;
 - sufficiently large, and thus enabling usage of the appliance with no problems;
 - easily accessible;
 - well ventilated.
- Maintain sufficient clearance from table edges. The appliance might turn over and fall down.
- Do not place the appliance under kitchen cupboards. Escaping steam might damage them.
- Furniture surfaces may contain materials, which may damage or melt the appliance's feet. If needed, place the appliance on a suitable pad.
- Make sure to keep proper clearance at all sides (at least 10 cm at both sides and 30 cm from the top).

Power supply connection

- Verify if technical data of the appliance (see rating plate) correspond with the local electric power grid specification.
- Connect the appliance to a single, properly grounded mains socket with protective contact. Do not connect the appliance to a multi-socket.
- The power cord should be laid in a way preventing anyone from threading on it or tripping against it.

- Do not use the appliance with an external timer or remote control.

5.2 Operation

Before First Use

1. Clean the appliance thoroughly before use, following the instructions in section '**Cleaning and Descaling**'.
2. Before drinking the first tea or hot instant beverages perform trial run to remove all post-manufacturing residues:
 - fill the water tank with fresh potable water, up to the max mark',
 - boil water. Follow indications in section '**Starting the Appliance**',
 - pour out the water,
 - repeat the process 2–3 times.

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Starting the appliance

CAUTION!

Before starting the appliance make sure that the temperature controller is switched to **OFF.**

1. Now fill the water tank with the required amount of fresh potable water (up to the max. fill mark only).

WARNING! Risk of scalding!

Overfilling may lead to hot water leaks and scalding!

Observe the maximum filling volume!

Installation and operation

HINT!

To reduce the heating-up phase, you may use warm water for filling. When using cold water, the heating-up phase takes longer.

2. Place the lid on the water tank.
3. Fill the teapot with fresh potable water.
4. Place the teapot at the designated spot on the lid.
5. Connect the power cord to IEC socket.
6. Insert the power plug into a grounded single socket.
7. Press the ON/OFF switch to 'I' position, to switch the appliance on.
8. Switch the temperature controller to a desired position.

Temperature controller settings



Fig. 2

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OFF	The heater is off.	
BOIL	Boiling water	With this setting on, water is heated up to the boiling point as soon as possible; the heater is permanently on; water temperature is 100°C
	Hot water	By turning the control knob ¼ turn anti-clockwise, the temperature of water in the water tank is set to approximately 98°C
WARM	Warm water	By turning the control knob further ¼ turn, the temperature of water is set to approximately 70°C

Water Boiling

1. To boil water switch the temperature controller to **BOIL**.

The heating indicator light (red) will come on, signalling that the appliance is heating up. After a few minutes the water boils. This is demonstrated by the emerging steam.

HOT STEAM! Risk of scalding!

The released hot steam may cause scalding of hands, arms, and face.

Never remove the lid from the samovar while boiling water.

ATTENTION!

Leaving the temperature controller in this position will cause the water to boil continuously and evaporate completely over time.

To avoid continuous cooking, switch the temperature controller back by approximately $\frac{1}{4}$ turn anti-clockwise.

The red heating indicator light goes off.

The orange warm-keeping indicator light comes on. The set temperature of water is being maintained.

When the temperature of the water in the tank sinks, the heating indicator light comes on again and the water is reheated. This is how the thermostat regulates the energy supply as needed, thus saving a lot of energy.

Indications for Tea Preparation

To obtain a valuable product and taste, tea is poured with water of different temperature and brewed through various periods of time.

Black tea is prepared with boiling hot or hot water.

Perfect water temperature for preparation of green tea is approx. 50–70°C. The majority of green teas reaches optimum taste at approx. 70°C. The better quality of the green tea, the lower the optimum water temperature. The high quality tea is brewed in water with the temperature of 50–60°C.

Herbal, fruit, rooibos and spicy teas should be poured with boiling water only and brewed for at least 5–10 minutes. This is the only way to obtain a safe grocery's product, as herbal tea blends, in rare cases, there may be some germs present, e.g. salmonella, which die in the process of heating up. When prepared improperly, they may pose threat to health, especially when it comes to teas for children.

NOTE: Always keep information about the preparation process that is described on the packaging.

Tea preparation

1. Put the enclosed tea strainer into the teapot.
2. Put some tea leaves into the tea strainer (approx. 1 teaspoon per cup) or put the tea bag directly into the teapot (approx. 1 tea bag per approx. 1–2 cups).
3. Place the teapot at the designated spot on the lid.



Fig. 3

Thus, the teapot is being heated up while the water is being heated.

WARNING!

Risk of scalding with released steam!

Place the teapot on the lid in such a way that the released steam does not hit the handle of the teapot, so that it does not become hot.

4. Boil water.
5. Switch the temperature controller back by $\frac{1}{4}$ turn (between the settings **BOIL** and **WARM**), to keep the water hot and not being boiled continuously.

HINT!

Use the maximum setting **BOIL** until the water boils for the first time only.

WARNING! Risk of scalding!

Hot steam comes out!

Condensed water may drip from the bottom of the teapot.

Use protective oven mitts to take the teapot off.

6. Take the teapot off the water tank.
7. Put the teapot under the dispensing tap.
8. Now brew tea using boiling, hot or warm water (depending on the type of tea used) from the dispensing tap. To do so, turn the dispensing tap handle forward.
9. The teapot may hold maximum of 1 litres of water.



Fig. 4

The more the tea leaves or tea bags, and the less the water is poured into the teapot, the stronger will be the tea essence (tea connoisseurs like to infuse exactly 2.86 g of tea per cup). It is recommended to use more tea to have a real tea essence brewed in the teapot.

HINT!

The strength of the tea essence may be adjusted to your own taste. Observe the brewing time indicated on the tea packaging, as it differs for each type of tea.

10. Place the teapot with the tea essence back onto the water tank lid.
If the temperature controller is set correctly, the tea essence will be passively heated up by the rising steam.
11. When the time needed for the tea to brew elapses, carefully remove the tea strainer (tea bag) from the teapot.
12. Then pour the tea essence from the teapot into a cup (in any amount) and finally top up the cup with water from the water tank. Thus you may differentiate the strength and taste of the tea.
13. You can leave the teapot on the water tank when the appliance is on, so that you can refill hot tea essence and water at any time.

Hot instant beverages

In order to prepare hot instant beverages, e.g. instant coffee, pour the required amount into a cup and pour hot water from the samovar (sections '**Boiling water**', '**Tea preparation**').

Topping up water

HOT STEAM! Risk of scalding!

When pouring water into the hot water tank, steam may be released and scald your hands, arm and face!

Carefully remove the lid from the water tank.

Leave the appliance to cool off for a couple of minutes.

1. Switch the temperature controller to the position **OFF**.
2. Wait for the appliance to cool down.
3. Fill the water tank with the required amount of fresh potable water, not exceeding the max. mark.

Switching the appliance off

1. If the appliance is no longer used, switch the temperature controller to **OFF** position to stop the operation.
2. Switch the appliance off with the ON/OFF switch (by switching it to '**O**' position).
3. Remove the plug from the socket.
4. Remove the plug of the power cord from the IEC socket.

Overheating (dry-run) protection

The appliance is equipped with an overheating (dry-run) protection. The thermostat automatically cuts off the device when there is no or too little water in the water tank.

If the **overheating protection (dry-run)** is triggered, disconnect the appliance from the socket and allow it to cool down for a few minutes before refilling the water tank with fresh potable water.

Please note that the overheating protection can also be turned off for transport. In such a case, please follow the above instructions.

If the appliance still does not work, contact the supplier or service company.

6 Cleaning and Descaling

6.1 Safety Instructions for Cleaning

- Before cleaning, disconnect the appliance from the power supply.
- Leave the appliance to cool down completely.
- Make sure water does not enter the appliance. Do not immerse the appliance in water or other liquids during cleaning. Do not clean the appliance with a pressurized water jet.
- Do not use any sharp or pointed, nor metal implements (knife, fork, etc.). Sharp or pointed implements may damage the appliance, and when in contact with live parts, they may cause electric shock.
- For cleaning, do not use any scouring agents that contain solvents nor corrosive cleaning agents. They may damage the surface.

6.2 Cleaning



DANGER!

Water may enter the appliance and cause injury by electric shock.

Never clean the samovar base under running water.



CAUTION!

Health hazard due to the development of germs!

Disinfect the water tank of the samovar at regular time intervals.

1. Clean the appliance regularly at the end of each working day, or more frequently, if needed.
2. Empty the appliance after each use.
3. Rinse the water tank thoroughly with clean water.
4. Clean the appliance from the outside with a soft, damp cloth.
5. Clean the lid, teapot, tea strainer thoroughly with warm water and mild cleaning agent. Rinse in fresh water.
6. Finally, thoroughly dry all cleaned parts and surfaces with a lint-free cloth.

HINT!

The lid, teapot with lid and tea strainer are all dishwasher safe!

6.3 Descaling

ATTENTION!

The warranty claims will not be accepted when the appliance is not periodically descaled, as described in the instruction manual. Such claims are not covered by the warranty!

Descale the appliance regularly.

NOTE!

To reduce limescale deposits, it is recommended to use filtered water!

1. Depending on the intensity of use and the water quality, the water tank should be descaled every 1–2 weeks.
2. Perform the following steps:
 - Fill the water tank with approx. 500 ml of fresh potable water.
 - Add vinegar or 1 package (15 g) of **Bartscher B15-30 descaler (art. no. 190065)** to the water. Observe the indications on the packaging,
 - Boil the prepared solution.
 - Pour part of the solution through the drain tap to remove limescale deposits in the drain tap.
 - Boil the descaling solution at least 1–2 times more.
 - Leave the appliance to cool down for some time.
 - Remove the descaling solution after the procedure is finished.
 - Rinse the water tank thoroughly and multiple times with clean water.
 - Drain part of the water through the drain tap.
3. If the limescale is deposited also in the tea jug, descale it with the water and vinegar solution.

7 Possible Malfunctions

The table below contains descriptions of possible causes and solutions to malfunctions or errors during operation of the appliance. When malfunction cannot be removed, contact the technical service.

In such a case, provide article number, model name and serial number. These data may be found in the rating plate.

Malfunction	Cause	Solution
Appliance does not work	The plug is not connected to the mains socket.	Connect the plug.
	The house connection fuse tripped.	Disconnect the appliance from mains supply, reset the fuse and re-connect the appliance
	Temperature controller switched to position OFF .	Switch the temperature controller to the desired position
The device is ON and temperature controller is set but the heating control light does not come on	Damaged heating control light	Contact the supplier
The appliance switches off during operation	The overheating protection (dry operation protection) was triggered: too little water or no water in the water tank	Leave the appliance to cool down, and then fill it with fresh potable water

8 Disposal

Electrical Appliance



Electric appliances are marked with this symbol. Electrical appliances must be disposed of and recycled in a correct and environmentally friendly manner. You must not dispose of electric appliances with household waste. Disconnect the appliance from the power supply and remove power cord from the appliance.

Electrical appliances should be returned to designated collection points.