

3L



191001

ENGLISH

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

This instruction manual contains information about the installation, operation and maintenance of the device and should be consulted as an important source of information and reference guide.

Awareness of the safety instructions and instructions for use in this manual will ensure the safe and correct use of the device.

In addition to the information given here, you should comply with any local Health and safety Controls and generally applicable safety regulations.

The instruction manual forms part of the product and should be kept near the device and easily accessible for anyone carrying out the installation, servicing, maintenance or cleaning.

Please keep these instructions and give them to future owners of the device.

1. Safety

This device is designed in accordance with the presently applicable technological standards. However, the device can pose a danger if handled improperly and inappropriately.

All persons using the device must follow the recommendations and instructions in this instruction manual.

1.1 Key to symbols

In this manual, symbols are used to highlight important safety instructions and any advice relating to the device. The instructions should be followed very carefully to avoid any risk of accident, personal injury or material damage.



DANGER!

This symbol highlights hazards which could lead to injury.



WARNING!

This symbol highlights dangerous situations which could lead to injury or death.



HOT SURFACE!

This symbol is a warning that the device surface is hot when in use. Ignoring this warning may result in burns!



HOT STEAM!

This symbol indicates that during the operation the hot steam escapes from the device. Risk of scalding if safety instructions are not observed!



CAUTION!

This symbol highlights dangerous situations which could lead to light injuries, or damage, malfunction, and/or destruction of the device.



NOTE!

This symbol highlights recommendations and information aimed for effective and trouble-free device operation.

1.2 Safety instructions

- The device can be used by children 8 years and up, as well as by people with disabilities and those with limited experience/knowledge as long as they are under supervision or have been instructed on proper use of the device and its possible dangers. Children should not play with the device. Cleaning and maintenance cannot be performed by children younger than 8 years old and must be done under supervision. Children under the age of 8 years old must be kept away from the device and its power cord.
- **Never** leave the device unattended when in use.
- Only use the device indoors.

- Do not control the device with use of external timer or remote controller.
- The device must be operated in correct and safe technical condition only. In case of operational problems disconnect the device from the power supply (pull the plug from the socket) and contact the service company.
- Prevent access of children to the package materials like plastic bags and foamed polystyrene elements. **Suffocation hazard!**
- Only a qualified technician and using original spare parts and accessories should carry out repairs and maintenance of the device. **Do not attempt to repair the device yourself.**
- Do not use any accessory or spare parts that have not been recommended by the manufacturer. These can be dangerous for the user or lead to damages of the device or personal injury, and further, the warranty expires.
- To prevent hazards and to ensure optimum efficiency, no modifications or alterations to the device that are not explicitly approved by the manufacturer may be undertaken.



DANGER! Electric shock hazard!

To avoid the hazard results please follow the safety instructions below.

- Never allow the power cable to come into contact with heat sources or sharp edges. The power cable should not hang over the side of the working surface. Ensure that no one can step on or trip over the cable.

- The power cable must not be folded, bent or tangled, and must always remain fully unrolled. Never place the device or other objects on the power cable.
- Do not cover the cable. Keep away the cable from operating range and do not immerse it into water.
- Check the power cord regularly for damage. Do not use the device 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.
- The supply cable must be disconnected from the socket only by pulling the plug.
- Never carry or lift the device by the supply cable.
- In any case do not open the device housing. In case of electrical or mechanical modifications the **electric shock hazard will occur**.
- Never clean the device base in running water as it can get inside the unit and cause electrocution.
- Do not use any acid agents and make sure no water ingresses the device.
- **Never** operate the device with moist hands or standing on wet floor.
- Remove the plug from its socket:
 - when the device is not used,
 - in case of anomalies during operation,
 - before cleaning.



HOT SURFACE! Burn hazard!

To avoid the hazard results please follow the safety instructions below.

- The water tank surface gets very hot when the device is in use! In order to avoid burns of fingers and hands do not touch hot surfaces of the device! During operation touch only handles and switches designed for such purpose.
- The surface and water in the water tank are hot for some time also after turning the device off, leave it for cooling down before cleaning or moving.



HOT STEAM! Risk of scalding!

To avoid the hazard results please follow the safety instructions below.

- Follow the maximum filling capacity! Overfilling may lead to hot water leaks and burns!
- Never remove the lid during boiling! The released hot steam may cause burns of hands, arms, and face.



WARNING! Health hazard due to microbes!

To avoid the hazard results please follow the safety instructions below.

- The water tank must be periodically emptied, cleaned, and disinfected to eliminate the possibility of growth of harmful and dangerous microbes.



WARNING!

In order to avoid any damages of the device follow the instructions below:

- **Never** wash the device in the dishwasher.
- Do not use any sharp objects or abrasive cleaning agents for surface cleaning.
- Do not use the device when the water tank is empty.

1.3 Proper use

The operational safety of the device is assured only in case of proper use, according to the operation manual.

All technical activities like installation and maintenance must be performed by the qualified service personnel only.

The device is designed for use at home and in similar places:

- in canteens for employees in shops, offices, and similar areas;
- in agricultural farms;
- for the customers in hotels, motels, and other typical accommodation places;
- in breakfast restaurants.

The **samovar** is ideally suited for **preparing tea** and other **'instant' hot drinks**.

The **samovar** must **not** be used for:

- heating milk and other liquids which foam;
- reheating soups, sauces and other thick liquid dishes;
- boiling up liquids containing sugar, sweeteners, acids, leaches or alcohols;
- filling in and heating of inflammable, noxious, easily volatilizing or similar liquids or substances or materials.



CAUTION!

Any use going beyond the intended purpose and/or any different use of the device is forbidden and is not considered as conventional.

Any claims against the manufacturer or his authorized representative as a consequence of experiencing damages resulting from unconventional use are impossible.

The operator is liable for all damages resulting from inappropriate use.

2. General information

2.1 Liability and Warrantees

All the information and instructions in this manual take into account standard safety regulations, current levels of technical engineering as well as the expertise and experience we have developed over the years.

The instruction manual was translated with all due care and attention. However, we do not accept liability for any translation errors. The German version of this instruction manual is definitive.

If the delivery consists of a special model, the actual scope of delivery may differ from the descriptions and illustrations in this manual. This is also the case for special orders or when the device has been modified in line with new technology.



CAUTION!

Read this manual carefully and thoroughly before any operation of the device, and especially before turning it on!

Manufacturer **is not liable** for any damages or faults caused by:

- violation of advice concerning operation and cleaning;
- use other than designed;
- alterations made by user;
- use of inadequate spare parts.

We reserve the right to make technical changes for purposes of developing and improving the useful properties.

2.2 Copyright protection

The instruction manual including any texts, drawings, images or other illustrations is copyright. No part of this publication may be reproduced, transmitted or used in any form or by any means without permission in writing from the manufacturer. Any person who commits any unauthorized act in relation to this publication shall be liable to claims for damages. All rights reserved.



NOTE!

The contents, texts, drawings, pictures and any other illustrations are copyright and subject to other protection rights. Any person unlawfully using this publication is liable to criminal prosecution.

2.3 Declaration of conformity



The device complies with the current standards and directives of the EU. We certify this in the EC declaration of conformity. If required we will be glad to send you the according declaration of conformity.

3. Transport, packaging and storage

3.1 Delivery check

Please check the delivery upon completeness and transport damage immediately after receipt. In case of visible damage do not accept or accept the delivery with reservation only.

Note the extent of damage on the carrier's bill of delivery. Trigger off the complaint.

Hidden damages should be reclaimed immediately after notice, as claims for damages can only be asserted within the effective period for complaints.

3.2 Packaging

Please do not throw away the covering carton of your device as it might be useful for storage purposes, when moving or, in case of damages, when the device must be sent back to a repair center. The outer and inner packing material should be removed completely from the device before installation.



If you liked to dispose the packing, consider the regulations applicable in your country. Supply re-usable packing materials to the recycling.

Please inspect the device upon completeness. In case any part is missing please contact our customer service center immediately.

3.3 Storage

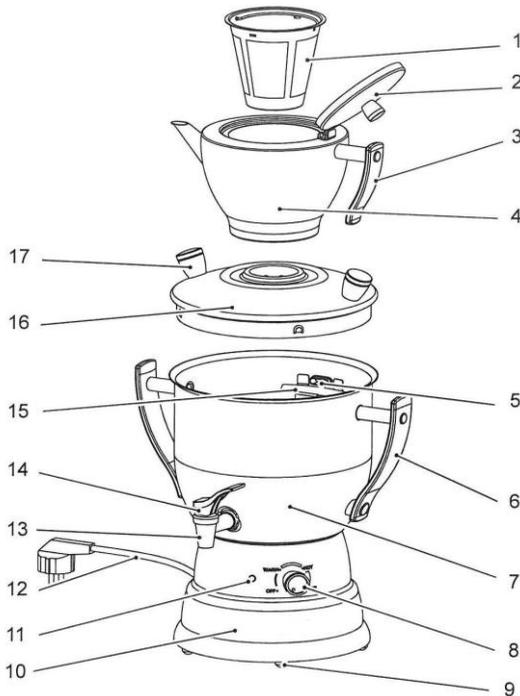
Keep the package closed until installation and under consideration of the outside indicated positioning- and storage markings.

Packages should be stored under consideration of the following:

- do not store outdoors,
- keep it dry and dust-free,
- do not expose it to aggressive media,
- do not expose it to direct sunlight,
- avoid mechanical shocks and vibration,
- in case of longer storage (> 3 months) make sure you check the state of the packaging and the parts regularly, if required refresh or renew.

4. Technical data

4.1 Overview of parts



- | | |
|---|--|
| 1 Tea strainer | 10 Base with integrated powerline and cable storage |
| 2 Lid of teapot | 11 Control light |
| 3 Handle of teapot | 12 Power cable with plug |
| 4 Teapot | 13 Drain tap |
| 5 Steam outlet | 14 Drain tap lever |
| 6 Handle of water tank (2x) | 15 Max. filling level marking water tank |
| 7 Water tank | 16 Lid of water tank |
| 8 Rotating temperature controller | 17 Handle of lid of water tank (2x) |
| 9 Slip-resistant silicon legs (5x) | |

4.2 Technical specification

Name	Samovar 3L
Code-no.:	191001
Material:	Stainless steel
Realization:	<ul style="list-style-type: none">▪ Handle heat insulated▪ Warming function▪ Automatic shutdown▪ Overheating protection▪ Control unit: electronic, toggle switch▪ Control lamp: heating▪ Glasses / cup height max.: 140 mm
Temperature range:	20 °C to 100 °C
Temperature control:	stepless
Capacity:	3 litres
Power supply:	1.5 kW / 230 V 50 Hz
Dimensions:	W 200 x D 200 x H 490 mm
Weight:	1.7 kg
Including:	1 tea pot (capacity: 1.2 litre), 1 tea strainer

We reserve the right to make technical changes!

5. Installation

5.1 Positioning

- Before the operation unpack the device and remove all package material and protective foil from the device and equipment.



CAUTION!

Never remove the rating plate and any warning signs from the device.

- Place the device on top of an even, stable, dry, and water-resistant surface which supports the weight of the device and is not heat sensitive.
- **Never** place the device on the flammable surfaces.
- **Do not** place the device in the vicinity of open fire, electric ovens, heating furnaces, or other heat sources.
- **Never** place the device at the edge of a table to avoid accidents.
- **Never** place the device in humid or wet environment.
- Place the device so that the plug is easily accessible and can be quickly removed from its socket in case of necessity.

5.2 Electric connection



DANGER! Electric shock hazard!

**The device can cause injuries due to improper installation!
Before installation and connecting the local power grid specification should be compared with that of the device (see rating plate). Connect the device only in case of compliance!**

- The power supply circuit with the socket must be protected by the fuse of at least 16A. Connect the device directly to a single grounded socket. Do not use any power bar or multiple socket.

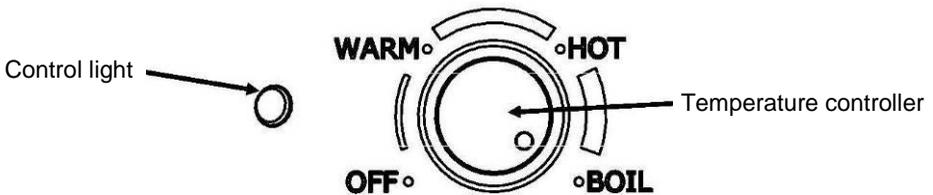
6. Start-up and operation

6.1 Before operation

- Before operation become familiar with the device and equipment by reading this manual.
- Before the device operation clean it thoroughly according to the instructions in section 7 “**Cleaning and descaling**”.
- Fill the water reservoir to its maximum capacity (as indicated) and boil. Pour the water out. Repeat it 2 - 3 times.
- Before start-up make sure that the device is in perfect condition.

6.2 Start-up

Temperature controller settings



Stufe	Function	
OFF ◦	The device is turned off	
WARM ◦	Warm water:	Approx. 3/4 rotation backwards, water temperature approx. 60 °C - 70 °C
◦HOT	Hot water:	Approx. 1/2 rotation backwards, water temperature approx. 85 °C - 95°C
◦BOIL	Boiling water:	Temperature controller turned completely; water temperature approx. 100 °C
◦BOIL	Interval boiling:	Approx. 1/4 to 1/2 rotation backwards after water boiling; water temperature approx. 95 °C - 100°C

Activation / deactivation of the device

- The device is turned on/off by rotating the temperature controller. In position **OFF**° the device is turned off.
- To set the device in the **normal operation mode** position the temperature controller to °**HOT** or **WARM**°. In position °**BOIL** water will be boiled as quickly as possible.
- For the **interval boiling** rotate the temperature controller backwards until the control light goes off. The device will maintain the water temperature of 95 °C - 100°C.

6.3 Operation

Water heating



CAUTION!

Make sure that the temperature controller is rotated to position **OFF**° counterclockwise until the end.

- Pour required amount of fresh water to the device (only up to the maximum mark).



WARNING! Burn hazard!

Overfilling of water tank may cause water splashing and burns! Do not exceed the maximum filling level!



NOTE!

In order to reduce the heating phase time fill the tank with warm water. In case of cold water the heating time is longer.

- Place the lid on the tank and put the teapot on it.
- Connect the device to appropriate single grounded socket.

- Rotate the temperature controller clockwise. The thermostat allows for stepless adjustment of water temperature. The following settings may be used: **Boiling / interval boiling (BOIL) / HOT / WARM**. Follow the **table** on **page 38**.
- The control light is on during the heating phase.

Water boiling

- In order to boil water set the temperature to the maximum. Rotate the temperature controller clockwise to position **•BOIL**.
- The control light will come on. It indicates that the device is heating. After several minutes the water will boil. It is indicated by released steam.
- When the temperature controller remains in that position the water will continuously boil and will evaporate eventually.



WARNING! Burn hazard!

The released hot steam may cause burns of hands, arms, and face! Do not remove the lid during boiling.

Interval boiling

- In order to avoid continuous boiling rotate the temperature controller backward until the control light goes off. The device will be set to **interval boiling** mode.
- When the water temperature in the tank drops the control light will come on and the device will heat the water. The thermostat adjusts the energy consumption to the needs and saves it.

Adding water



CAUTION! Burn hazard!

During filling of hot tank the released hot steam may cause burns of hands, arms, and face! Do not remove the lid during boiling

- Rotate the temperature controller counterclockwise to position **OFF**°.
- Before refilling with water leave the device for a few minutes for cooling down.



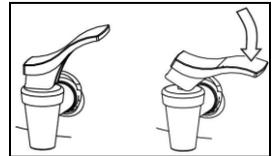
NOTE!

The thermostat will turn the device off when there is no (or too little) water in the tank. When the **protection against dry operation** is activated, disconnect the device from the socket and wait for cooling down before refilling.

Operation of drain tap

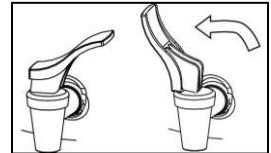
Pulse mode

Press the drain tap lever down.
The tap will open. To close the tap release the lever.



Continuous mode

Pull the tap lever completely backwards.
It will be locked in such position.
The tap will open. To close the tap pull the lever forwards.



Turning the device off

- The device is turned off by rotating the temperature controller counterclockwise to position **OFF**°. The control light will go off. Disconnect the device from the socket (pull the plug!).

6.4 Preparation of tea

There are teas and teas. In the strict sense, the term tea describes a beverage made by steeping the leaves of *Camellia sinensis* in boiling water. There is black and green tea. Hot water can however also be poured over leaves of other plants or pieces of fruit.

Therefore preparation of tea is not always the same. In order to preserve the flavour and beneficial ingredients, infusions and teas are prepared with hot or boiling water and left to steep for shorter or longer periods. Green tea is for example best prepared with water at a temperature of 85 °C. In any case, always follow the instructions on the packaging.

Black tea

- Place the supplied tea strainer inside the tea pot.
- Fill the tea strainer with loose leaf tea (approx. one teaspoon per cup) or place a tea bag directly into the tea pot (approx. 1 tea bag per 1 - 2 cups).
- Place the lid on the tank and put the teapot on it. This pre-heats the teapot at the same time.



WARNING! Burn hazard!

Place the teapot on to the lid in such way that the escaping steam does heat up the handle.

- Boil the water.
- Remove the teapot from the tank.



WARNING! Burn hazard!

**Hot steam will escape! A small amount of condensed water may also drip from the base of the teapot.
Use the cloth for holding hot pots!**

- Now pour boiling water over the tea from the tap.
- Fill **max. 1 l** into the teapot.
- Replace the teapot with the tea concentrate on the water tank. The steam rising in the water tank keeps the tea in the teapot at precisely the right temperature required for brewing.



NOTE!

You might choose the tea concentration by taste. Always take notice of the steeping time indicated on the tea packing, as it differs between the tea sorts.

- After the desired brewing time has elapsed, remove the tea strainer (tea bag) from the teapot.
- Next pour the required amount of tea concentrate from the teapot into your glass (to taste) and then top your glass up with water from the water tank. This will allow you to vary the strength and taste of your tea.
- The teapot can be left on the water tank when the appliance is operating so you can have more tea at any time. Position the knob somewhat above the **•HOT** position (but not to the detent), so that the water remains hot but does not boil continuously. The control light will illuminate and extinguish in cycle. However, the maximum heating setting should only be used for initial boiling of the water.

Green tea

- Green tea can also be prepared with the Samovar. Green tea should generally not be brewed with boiling water as this gives it a slightly bitter taste. Depending on the kind of tea the ideal water temperature is 50 °C - 70 °C. Most green teas develop their optimum taste at around 70 °C. The higher the quality of the green tea, the lower the optimum water temperature. Teas of the highest quality are brewed with water at 50 °C - 60 °C.
- Normal green teas must infuse for 1 to 3 minutes, while high-grade green teas only need around 1 to 1 1/2 minutes.
- Green tea is always dosed less than black tea. Around 1 g per 100 ml or 1 level teaspoon to 200 ml of water. You can determine the strength of the concentrate yourself.
- Boil the water in the tank. Then pour some hot water into the cups (the teapot has been pre-warmed on the container during the boiling process). Then turn the adjusting knob back to the position **WARM** (depending on the type of tea) and allow the water to cool down a little (approx. 5 - 6 minutes). Now pour hot water from the tank onto the tea. Place the teapot on top of the tank as described before so that the tea remains hot and then proceed as for black tea.

Herbal infusion



CAUTION!

Always prepare infusions of herbs, fruit, Rooibos and spice with boiling water and let them steep for minimum 5 to 10 minutes. This is to ensure that the beverage is completely safe for consumption!

- For herbal infusions, whether prepared with loose leaves or bags, always use boiling water and adhere to the recommended steeping time. In extremely rare cases, herbal mixtures might contain Salmonella, which is however effectively destroyed by boiling water. Incorrect preparation of the infusion can pose a health risk, especially in connection with infusions for children.
- Never prepare herbal infusions using water that is not boiling hot, for example to make a beverage that is at drinking temperature the moment it is prepared. Germs that might be contained in the ingredients might not be destroyed, which could be particularly harmful to babies, small children and the sick. Never let the prepared infusion stand for several hours before consuming it.

While the boiling water destroys all germs contained in the herbal mixture, spores might survive. They may germinate in the warm water.

7. Cleaning and descaling



WARNING!

Before cleaning, disconnect the device from the power supply (unplug!) and leave to cool off.

Never clean the device with use of pressurized water jet.

Protect the device from the water penetration.



CAUTION!

Never use aggressive or coarse cleaning agents such as scouring powder, alcohol, solvents or other substances that could damage the device's surfaces.

Cleaning

- Clean the device regularly.
- Empty the device after each use.
- Thoroughly rinse the water tank with clean water.



CAUTION!

The water tank should be periodically completely emptied, and cleaned (disinfected) in order to eliminate the possibility of harmful microbial growth.

- Clean the samovar's surface with a soft, wet cloth and dry thoroughly.



DANGER! Electric shock hazard!

Never clean the device base in running water as it can get inside the unit and cause electrocution.

- Wash the teapot, stainer, and lid in lukewarm water with a gentle washing agent. Rinse with clean water.



NOTE!

The lid, teapot, and tea strainer are dishwasher-safe!

- Always use only a soft cloth, **never** use abrasive cleaning agents that may scratch the surfaces.
- After cleaning, use a soft, dry cloth to dry and polish the surfaces.

Descaling



CAUTION!

Complaints will not be accepted if the samovar is not descaled regularly as described in the instruction manual. Such complaints are no cases of warranty!

- Bad water conditions might lead to scaling. This results in longer heating time and might damage the device.
- Depending on the frequency of usage and water quality, descale the water tank every 1 - 2 weeks.
- Fill the water tank with fresh water, add vinegar or a common descaling agent and boil the solution.
- Let some of the solution flow through the tap in order to remove scale here as well.
- Repeat the boiling of the solution 1 - 2 times.
- Let the device cool off for a few minutes.
- After descaling pour out the descaling solution. Rinse the reservoir thoroughly with clean water and pour some water out through the tap.
- In case of scale deposits in the teapot clean it with the solution of vinegar or a common descaling agent.



NOTE!

Use pre-filtered water in order to avoid scaling!

Storage

- If the device is not used for any lengthy period, clean it according to the aforementioned description and store it in dry, clean place protected against cold, sun and children. Do not place any heavy objects on the device.

8. Possible Malfunctions

In case of malfunction set the temperature controller in position **OFF**^o and disconnect the device from the power supply (pull the plug!). Before contacting the service or sales agent, verify - based on the table below - whether it is possible to eliminate disruption in operation.

FAILURE	CAUSE	SOLUTION
<p>The device is not working</p>	<ul style="list-style-type: none"> • The plug is not connected to the socket. • The house electric system protection has been activated due to operation of many high-power devices. • The temperature controller is in position OFF^o . 	<ul style="list-style-type: none"> • Connect the plug to the electric socket. • Disconnect the device from the power supply. Then reset the fuse. • Set the temperature controller in desired position.
<p>The device is turned on but the control light is off.</p>	<ul style="list-style-type: none"> • Damaged control light. • Incorrect setting of temperature controller. 	<ul style="list-style-type: none"> • Contact the vendor. • Set the temperature controller in appropriate position.
<p>The device turns off.</p>	<ul style="list-style-type: none"> • The protection against dry operation has been activated due to lack or insufficient amount of water in the tank. 	<ul style="list-style-type: none"> • Wait for the device to cool down and pour the water.

If you cannot remove the malfunctions:

- do not open the body,
- notify the customer service point or contact the sales agent, while providing the following information:
 - type of malfunction;
 - article and serial number (see rating plate on device underside);
 - date of purchase.

9. Waste disposal

Old devices



The electric devices are marked with this symbol. You must not dispose of electric devices with household waste. When the device may not be longer used each consumer is obliged to dispose of the device at the dedicated local collection point, separately from household waste.

NOTE!

Electric devices should be used and disposed of properly to prevent the impact on the environment.

- Disconnect the device from the power supply and remove the power cord from the device with the use of diagonal pliers.