

Percolator coffee maker



Regina 40
A190.142



Regina 90
A190.192

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1. General information

1.1 Information about the instruction manual

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.

1.2 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.



WARNING!

This symbol highlights hazards, which could lead to injury.

Please follow the instructions very carefully and proceed with particular attention in these cases.



WARNING! Electrical hazard!

This symbol draws attention to potential electrical hazards. If you do not follow the safety instructions, you may risk injury or death.



CAUTION!

This symbol highlights instructions, which should be followed to avoid any risk of damage, malfunctioning and/or breakdown of the device.



NOTE!

This symbol highlights tips and information, which have to be followed for an efficient and trouble-free operation of the device.

1.3 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. If you have any questions, you should contact the manufacturer.



NOTE!

Read the instruction manual carefully before using the device. The manufacturer does not accept liability for any damage or malfunction resulting from not following the instructions for use.

The instruction manual should be kept near the device, easily accessible for anyone wishing to work with or using it. We reserve the right to make technical changes for purposes of developing and improving the useful properties.

1.4 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.

1.5 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.

2. Safety

This section provides an overview of all important safety aspects.

In addition every chapter provides precise safety advice for the prevention of dangers which are highlighted by the use of the above mentioned symbols.

Furthermore, attention should be paid to all pictograms, markers and labels on the device, which must be kept in a permanent state of legibility.

By following all the important safety advice you gain an optimal protection against all hazards as well as the assurance of a safe and trouble-free operation.

2.1 General Information

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

Knowing the contents of the instruction manual as well as avoiding mistakes and thus operating this device safely and in a fault-free manner is very essential to protect yourselves from the hazards.

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.

This device may only be operated in technically proper and safe condition.

2.2 Safety instructions for use of the device

The specifications regarding the industrial safety are based on the Regulations of the European Union applicable at the time of manufacturing the device.

If the device is used commercially, the user is obliged to ensure that the said industrial safety measures concur with the state of the rules and regulations applicable at the time in question for the entire period of use of the device and to comply with the new specifications. Outside the European Union, the industrial safety laws applicable at the place of installation of the device and the regional territorial provisions must be complied with.

Besides the industrial safety instructions in the instruction manual, the general safety and accident prevention regulations as well as environment protection regulations applicable for area of application of the device must be followed and complied with.



CAUTION!

- The device is not intended for use by individuals (including children) with physical or mental disabilities, insufficient experience, and/or insufficient knowledge unless such persons are under the care of a person responsible for their safety or have received instructions regarding appropriate use of the device.
- Children should be observed to ensure that they are not playing with the device.
- Preserve this manual safely. When passing on/selling the device to a third party, the manuals must be handed over along with the device.
- Every person using the device must act in accordance to the manuals and under consideration of the safety advice.
- The device is to be used indoors only.

2.3 Intended use

Safe operation is only guaranteed when using the device for its intended purpose.

Any technical interventions, as well as assembly and maintenance are to be made by a qualified customer service only.

The **percolator coffee makers Regina 40 / Regina 90** are solely designed for the preparation of coffee and warm or hot water using cold water only.

The **percolator coffee makers** may not be used for:

- The preparation of beverages other than coffee;
- Boiling up or brewing liquids containing sugar, sweeteners, acids, leaches or alcohols
- Filling in or heating inflammable, noxious, easily volatilizing or similar liquids or substances or materials.



CAUTION!

Do not use the device for anything beyond or other than its intended use.

The manufacturer and/or authorized parties do not accept any claims resulting from damage caused by using the device not according to its intended use.

The operator is totally liable for any such damage.

Observing the instructions for installation, use, maintenance and cleaning is considered part of the intended use.

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.



NOTE!

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

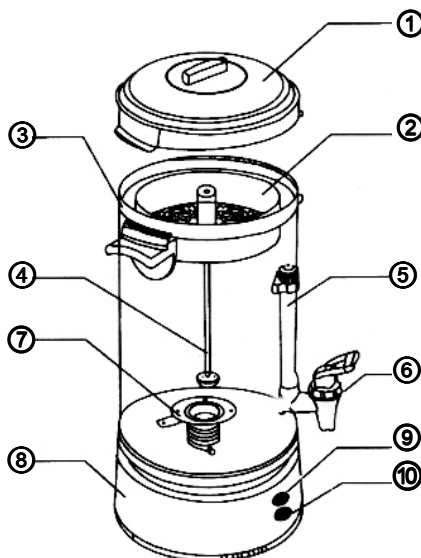
4.1 Technical specification

Description:	Percolator coffee maker	
Model:	Regina 40	Regina 90
Item no.:	A190.142	A190.192
Connection:	230 V 50 Hz 1100 W	230 V 50 Hz 1500 W
Capacity:	approx. 6,8 litres	approx. 15,0 litres
Minimum brewing quantity:	approx. 2 litres	approx. 5 litres
Weight:	4,0 kg	4,5 kg
Dimensions:	Ø 220 mm, H 420 mm	Ø 270 mm, H 460 mm
Filter paper:	Round paper filter BARTSCHER Item no.: A190.009	Round paper filter BARTSCHER Item no.: A190.011

We reserve the right to modifications!

4.2 Overview of parts

- ① – Lid
- ② – Filter basket
- ③ – Water tank
- ④ – Standpipe
- ⑤ – Level indicator
- ⑥ – Tap
- ⑦ – Heating bore
- ⑧ – Heating element
- ⑨ – red operation control light „SSS“
- ⑩ – green heat retention light „S“



5. Installation and operation

5.1 Safety instructions



WARNING! Electrical hazard!

Connect the device to a properly installed and grounded single power socket.

Never yank cord to disconnect from outlet.

Cable must not touch any hot parts.

- See that the cable does not touch any heat sources or sharp edges. Do not let the cable dangle over the counter edge.
- **NEVER** fill hot water into the cold water tank.
- Do not fill water into the hot device; wait until it has cooled down.



WARNING! Danger of burn!

During operation some parts of the device become very hot. In order to avoid injuries do not touch any hot parts!

- Do not use the device in case it does not function properly, has been damaged or dropped.
- 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.
- Do not lay the cable over carpets or heat insulations. Do not cover the cable. Keep away the cable from operating range and do not dunk it into water.
- Do not move or tilt the device when in operation.



WARNING! Hazard via electrical current!

The device can cause injuries due to improper installation!

Before installation the local power grid specification should be compared with that of the device (see type label).

Connect the device only in case of compliance! Take note of the security advice!

5.2 Installation and connection

- Before first use, clean the device (filter basket, standpipe, lid and the inside of the water tank) with a mild soap solution and rinse it with clear water.



CAUTION!

Do not dunk the bottom of the device into water!

- In order to remove manufacturing greases from the standpipe use a bottle brush and a warm soap solution. Wipe it with a soft, dry cloth.
- Insert the standpipe in the hole of the filter basket when assembling.
- Place the device on top of an even and safe surface which supports the weight of the device and is not heat sensitive.
- Not **at any time** should you place the device on an inflammable surface (such as: table cloth, carpet, etc.).
- You must not position the device near open fireplaces, electric ovens/arc furnaces, furnaces/electric heaters or other heat sources.
- Position the device in a way so that the power plug is always accessible.

5.3 Operating

Brewing coffee

- Fill the reservoir with **cold** water (check the level indicator to see how much)
- Make sure to use the **minimum amount of coffee** for brewing, which is:

for device **A190.142** → **15 cups** → approx. 2 liters

for device **A190.192** → **35 cups** → approx. 5 liters



CAUTION!

Do not fill the coffee maker at levels higher than those indicated!

Never use warm water for brewing coffee!

- Place the round paper filter into the filter basket.



NOTE!

Use only round paper filters in the coffee maker with a round filter.

We recommend using **BARTSCHER** round paper filters no. **A190.009** for model **Regina 40 (A190.142)** and no. **A190.011** for model **Regina 90 (A190.192)**.

- Put ground coffee (approx. 6 g per cup) in the filter basket. Set the filter basket in the heating grate. Do not forcefully move the submersion tube.

Recommended coffee proportioning

Regina 40 u. Regina 90		Regina 90	
Fixed coffee (cups)	Ground coffee (g)	Fixed coffee (cups)	Ground coffee (g)
10	50	48	240
12	60	50	250
16	80	60	300
20	100	72	360
24	120	84	420
30	150	90	450
36	180	100	500
40	200		



NOTE!

The recommended amount of coffee may be varied according to your taste.

- Place the lid. The special lid spreads water over the ground coffee.
- The preparation begins as soon as the **ON/OFF**-switch has been set to „I“.
- During the boiling process the red operation control light will come on „SSSS“.
- The green heat retention light will come on when the boiling process has completed.
- As soon as the brewing process is finished, the temperature is reduced automatically and the coffee is kept at temperature proper for serving until the power plug is disconnected from power supply or the **ON/OFF** switch is set to „O“.



CAUTION!

Not at any time should the coffee maker be used without water or prepared coffee. The coffee maker may be damaged and the warranty expires otherwise.

Serving coffee

- Open the tap by pulling it forward and hold it until the cup or container is filled.
- Just release the tap, as it shuts automatically.
- For permanent drawing, push down the tap in order to fix it.



NOTE!

When the spout is in a raised position the grounds will remain at the bottom of the reservoir and will not get into the coffee when served.

Preparing warm or hot water

- This coffee maker can also be used for heating water. Just fill the clean water tank with cold water; insert the standpipe in the cleansed filter basket. Switch on the device as if you would for preparing coffee.
- Switch off the device when the heating is finished.
- Pull the power plug as soon as less than four cups of water are left in the water tank.

Advice

- For best results, prepare 15 to 35 cups of coffee at one time.
- Remove filter basket and coffee ground immediately after brewing process has ended. This also contributes to the preservation of the coffee flavour.
- Before brewing another load of coffee, wash out the coffee maker with cold water in order to cool it off.
- Drops coming from the removal of the filter basket or the coffee ground may be caught with the lid of the device.
- When reheating coffee, remove the standpipe and filter basket before activating the device.

6. Cleaning and maintenance

6.1 Safety advice

- Before beginning with repair or cleaning works make sure the device has been disconnected from power socket (pull the power plug!!!) and has cooled down.
- Do not use any acid agents and make sure no water ingresses the device.
- To protect yourself from electric shock, **never** immerse the device, its cables and the plug in water or other liquids.



CAUTION!

The device is not suited for direct washing via water jets. Therefore, you must not use any kind of pressure water jet for cleaning the device!

6.2 Cleaning and descaling

Daily cleaning

- Clean the device after every use.
- Clean the filter basket, submersion tube and lid with warm water and a mild cleaning agent especially for coffee makers. Dry the elements with a soft cloth.
- Clean the water reservoir of sediment and leftover coffee. A mild scouring agent and sponge for pots may be used.
- Wipe the outside of the coffee maker with a moist cloth, then dry.
- To clean the spout, fill the coffee maker with warm water and open the spout to rinse it.
- If the device is used for heating or boiling water take special care to clean thoroughly after each use.

Weekly cleaning

- If the device is used daily, it is necessary to thoroughly clean the spout mechanism once weekly. If the device is used less often it does not need to be cleaned so often.
- Unscrew the tap lid for cleaning, detach the silicone-cone and wash the parts with warm soap water. Use a small bottlebrush in order to clean the inside of the tap and the connection pieces to the coffee maker.



CAUTION!

You must not insert the brush into the assembled tap, as this would prick the silicone-cone.

- Wash all parts in warm water, dry them and re-assemble. Make sure the tap lid is screwed tightly in order to ensure a properly sealed closure.

Cleaning the heating grate

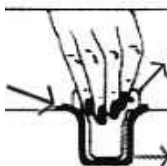
- The coffee maker's heating grate must be cleaned weekly, especially when the device is used daily.
- A lime scraper is provided in the packing in order to clean the heating bore at the bottom of the device.



NOTE!

Use the provided lime scraper!

Soap-drenched cleansing cloth made of steel wool or a thin cleaning rag



Lime scraper

Heating bore

- Lay a soap-drenched cleansing cloth made of steel wool or a thin cleaning rag over the heating bore.
- Insert the narrow side of the lime scraper into the heating bore.
- By twisting it to both sides you will clean the heating bore.
- The heating bore is cleansed as soon as you see the metal shining.
- The use of additional cleaning agents might be necessary.
- In order to remove all soap and cleaning agent residues, rinse the water tank thoroughly after cleaning.



NOTE!

When the coffee maker is not in use, remove the standpipe so it does not get stuck in the heating bore.

Descaling



ATTENTION!

To lengthen the device's life and ensure quality coffee, descale regularly!

Returns will not be accepted if the device is not descaled regularly – in accordance with the instructions below. Such returns are not covered by the warranty!

- When used daily the device must be thoroughly cleaned **every two weeks** to remove oils, coffee grounds and hard deposits, along with removal of stones.
- **For descaling** we recommend the tested „Bartscher Formula for quick descaling (Art. no.: 190.063).
- **For cleaning**, use commercially available coffee maker cleaning agents.
- Mix the contents of the bag (15 g) in approx. 4 litres of water.

- Remove the submersion tube through the center of the filter basket and place in the water reservoir. Pay attention to ensure that the submersion tube is placed precisely in the heating grate.
- Pour the solution into the coffee maker's water reservoir. Replace the lid and turn the device on.
- Start the brewing process and leave the device on for approx. 15 minutes.
- Next, turn the device off and drain the descaling solution through the spout.
- After the descaling process repeat the brewing process at least three times to remove any remaining chemicals.
- Thoroughly rinse the water reservoir, submersion tube and filter with warm water, and drain it through the spout.
- The coffee maker is ready for further use.



WARNING!

***Do not leave the device unattended during the descaling process!
Use goggles and protective gloves when descaling!***

- Wash hands thoroughly after descaling.

6.3 Safety instructions for maintenance

- Check the mains lead from time to time to ensure it isn't damaged in any way. Never use the device if the lead is damaged. If the lead is damaged it must be replaced by a qualified electrician.
- In case of damage or malfunction, please contact your stockist or our customer service centre.
- 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.**

7. Troubleshooting



CAUTION!

***The device is provided with an overheating protection.
When the overheating protection has been activated, let the
device cool down. Press the RESET button underneath the
device several times.***

The coffee maker is now ready for use again.



NOTE!

***From experience, it can be said that the overheating protection is triggered when the heating bore is calcified. An immediate decalcification is mandatory.
The overheating protection may also be activated during/by transport. Please follow the instructions above!***

In the following you may find causes for overheating protection activation and hints for troubleshooting.

PROBLEM	CAUSE	REMEDY
Device is turned on but the red control light does not come on.	<ul style="list-style-type: none"> • Did you forget to plug in the mains plug? • Loose fuse • Defect fuse • Defect control lamp • Fuse mount defect 	<ul style="list-style-type: none"> • Plug in the mains plug • Contact retailer • Contact retailer • Contact retailer • Contact retailer
Machine is turned on but does not function.	<ul style="list-style-type: none"> • Machine is calcified. 	<ul style="list-style-type: none"> • Let the device cool down first. Press the RESET button underneath the device. Decalcify the device.
The machine shuts off.	<ul style="list-style-type: none"> • Overheating protection was triggered. 	<ul style="list-style-type: none"> • Let the device cool down first. Press RESET button underneath the device. Decalcify the device.
The device is turned on, the red control light is on, but boiling water is not flowing out.	<ul style="list-style-type: none"> • Main heater is defect • Thermostat is defect 	<ul style="list-style-type: none"> • Contact retailer • Contact retailer
The unit is turned on, the red control light does not come on and boiling water is not flowing out.	<ul style="list-style-type: none"> • Circuit board is defect 	<ul style="list-style-type: none"> • Contact retailer
Fuse blows immediately when the machine is turned on.	<ul style="list-style-type: none"> • Short circuit 	<ul style="list-style-type: none"> • Contact retailer

8. Waste disposal

Discarding old devices

At the end of its service life the discarded device has to be disposed in accordance with the national regulations. It is advisable to contact a company which is specialized in waste disposal, or just contact the local disposal service in your community.



WARNING!

To exclude any abuse and the dangers involved make the waste device unfit for use before disposal. For that purpose disconnect device from mains supply and remove mains connection cable from the device.



NOTE!



For the disposal of the device please consider and act according to the national and local rules and regulations.

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