

## **Regina Plus 40 - Regina Plus 90**



**A190149 - A190199**

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## Original instruction manual

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**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

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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.

## 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

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### 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.

### Health hazard due to germs!

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

### Supervised Usage only

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

### Operating Personnel

- The appliance may only be operated by qualified personnel and trained specialist personnel.
- This appliance may not be operated 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 on the appliance.

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### 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:

- Brewing coffee with the use of ground coffee and cold water.

## 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.

The following is an unintended use:

- Preparing other beverages.
- Brewing 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.

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### 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.

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

### 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

#### Version / Characteristics

- Version: round filter
- Warm-keeping function
- Descaling signal
- Fill level indicator
- ON/OFF switch
- Indicator light:
  - Descaling
  - Warm-keeping
  - ON/OFF
- Stainless steel heating bowl
- 2 separate heating systems for brewing and warm-keeping function.

<b>Name:</b>	<b>Coffee machine Regina Plus 40T</b>
Item No.:	<b>A190149</b>
Material:	Stainless steel, plastic
Volume, in l:	6,8
Max. output, number of cups:	48
Brewing time of 6.8 l, in min.:	45
Minimum brewing volume, in l:	3
Power supply:	1.2 kW / 230 V / 50-60 Hz
Dimensions (W x D x H) in mm:	220 x 220 x 415
Weight in kg:	3,3

<b>Name:</b>	<b>Coffee machine Regina Plus 90T</b>
<b>Item No.:</b>	<b>A190199</b>
<b>Material:</b>	Stainless steel, plastic
<b>Volume, in l:</b>	15
<b>Max. output, number of cups:</b>	80 - 90
<b>Brewing time of 15 l, in min.:</b>	60
<b>Minimum brewing volume, in l:</b>	4,5
<b>Power supply:</b>	1.6 kW / 230 V / 50-60 Hz
<b>Dimensions (W x D x H) in mm:</b>	270 x 270 x 475
<b>Weight in kg:</b>	4,2

We reserve the right to implement technical modifications!

### Auxiliary equipment (not included in the delivery!)

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	<b>Description</b>	<b>Art. no.:</b>
	<b>Round paper filter, 195 mm, 250 pcs. for Regina Plus 40</b> Order unit: 1 box (250 round filters) Diameter: 195 mm Dimensions: W 195 x D 195 x H 1 mm Weight: 0.3 kg	<b>A190009250</b>
	<b>Round paper filter, 195 mm, 1000 pcs. for Regina Plus 40</b> Order unit: 1 box (1,000 round filters) Diameter: 195 mm Dimensions: W 195 x D 195 x H 1 mm Weight: 1.4 kg	<b>A190009</b>

	<p><b>Round paper filter, 245mm, 250 pcs. for Regina Plus 90</b>          Order unit: 1 box (250 round filters)          Diameter: 245 mm          Dimensions: W 245 x D 245 x H 1 mm          Weight: 0.55 kg</p>	<p><b>A190011250</b></p>
	<p><b>Round paper filter, 245mm, 1000 pcs. for Regina Plus 90</b>          Order unit: 1 box (1,000 round filters)          Diameter: 245 mm          Dimensions: W 245 x D 245 x H 1 mm          Weight: 2.1 kg</p>	<p><b>A190011</b></p>
	<p><b>Descaling agent B15-30, 30 pcs.</b>          Order unit: 1 box (30 bags, 15 g each)          Version: powder, highly concentrated          Dimensions: W 68 x D 4 x H 100 mm          Weight: 0.45 kg</p>	<p><b>190065</b></p>

## 4.2 List of Components of the Appliance



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- |  |   |
|--|---|
| 1. Lid   | 2. Lid handle                           |
| 3. Water tank handle   | 4. Water tank                           |
| 5. ON/OFF switch with integrated operation indicator light (red) | 6. Warm-keeping indicator light (green) |
| 7. Malfunction indicator light (red)                             | 8. Drain tap                            |
| 9. Fill level indicator  | 10. Filter basket                       |
| 11. Riser pipe   | 12. Heating bowl                        |
| 13. Cleaning scraper   |   |

### 4.3 Functions of the Appliance

Water in the water tank circulates in the riser pipe as long as the water temperature reaches 89°C. Then the brewing heating element switches off and the warm-keeping heating element switches on. The green warm-keeping indicator light comes on. The coffee is kept warm for the required period.

## 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.
- Leave at least 10 cm clearance from flammable walls and items.

### 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



### WARNING!

#### Risk of scalding!

**The water tank and the lid heat up considerably during operation.**

Do not touch the hot appliance.

**Parts of the filter basket and coffee dregs are becoming very hot.**

When removing the filter basket assembly after the end of the brewing process, use safety gloves.

#### Risk of burns!

**Hot steam coming out when the lid is removed may cause scalding of hands, arms and face.**

Never remove the lid when the appliance is operating.

Use the lid handle and safety gloves when removing the lid.

**Overfilling may lead to hot water leaks and scalding!**

Observe the maximum filling volume!

### Coffee preparation

1. Before use, clean the appliance, observing instructions in section 6 “Cleaning”.
2. Fill tank with **cold**, potable water.

The required fill level may be read from fill level indicator.

### **ATTENTION!**

**Do not fill the water tank with water over the maximum indication on the fill level indicator!**

**Never use warm water for coffee preparation in this appliance!**

**Never use the appliance without water!**

- Pay attention to the minimum required volume for brewing during the coffee preparation. It is:

for A190149: 20 cups — 3.0 litres

for A190199: 30 cups — 4.5 litres

3. To assemble the filter basket assembly put the riser pipe into the filter basket opening and place both elements together in the tank.
4. Make sure that the riser pipe is placed in the centre of the heating bowl in the tank bottom.
5. Put the right round paper filter into the filter basket.

### **NOTE!**

**The coffee maker may be used only with the round paper filter.**

We recommend the right round paper filter: BARTSCHER A190009 or A190009250 for Regina Plus 40 (A190149) model and round paper filter A190011 or A190011250 for Regina Plus 90 (A190199) model.

6. Pour coarsely ground coffee to the filter basket (approx. 6 g per cup).

**NOTE: The recommended coffee amount may be larger or smaller, depending on the preferences.**

7. Close the water tank with the lid. To lock it, follow the instructions given on the lid.

### **ATTENTION!**

**Before connecting the appliance to the mains supply, make sure the ON/OFF switch is in 'O' position.**

8. Plug the appliance into a suitable single socket.
9. Start the coffee maker by switching the ON/OFF switch to position 'I'.

During the brewing process the red operation control light in the switch will come on.

When the brewing process is finished, the green warm-keeping indicator light will come on additionally.

The temperature will be reduced automatically and coffee will be kept in the serving temperature, until the ON/OFF switch is switched to 'O' position or the plug is removed from the mains socket.

### Coffee serving

1. Place a cup under the drain tap, press the tap slightly down and hold until the cup is filled with required amount of coffee.
2. Release the drain tap — it closes automatically.
3. In order to obtain full flow press the tap lever fully down.



### Switching the appliance off

1. Switch the ON/OFF switch to 'O' position, when liquid stops flowing from the drain tap of a vertically positioned appliance.
2. Disconnect the appliance from mains power supply
3. If needed, after cooling down, refill the coffee machine with fresh water and run anew the brewing process.

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### Safety thermostat

The appliance is equipped with a safety thermostat that is activated in case of overheating of the appliance. The red malfunction indicator light comes on.

The safety thermostat is engaged in the following cases:

1. There is no water in the water tank. Proceed the following way:
  - Switch the appliance off.
  - After cooling down, press the RESET button at the bottom of the appliance.
  - Refill with fresh water.
  - Switch the appliance on as usual.
2. The appliance is scaled. In such a case proceed the following way:
  - Switch the appliance off.
  - Descale the appliance following the instructions in section “**Descaling**”.

## Cleaning

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- After descaling, press the RESET button at the bottom of the appliance.
- Refill with fresh water.
- Switch the appliance on as usual.

### **ATTENTION!**

**Dry operation or scaling of the appliance may lead to malfunction of the heating element. If the coffee machine does not work after dry operation or descaling, contact the service company.**

## **6 Cleaning**

### **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.

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### **6.2 Cleaning**

#### **Daily cleaning**

1. Clean the appliance after each use.
2. After use, clean the filter basket, riser pipe, and lid with warm water and gentle, commercially available cleaning agent for professional coffee machines. Follow the manufacturer's instructions.
3. The water tank should be kept free from any deposits and coffee dregs. It may be easily cleaned with the use of gentle scrubbing agent and a dishcloth.
4. Wipe the exterior of the appliance with a soft, moist cloth.
5. Dry the cleaned surfaces and elements with a soft cloth.
6. To clean the drain tap, fill the water tank with warm water and drain it through the drain tap.

### ATTENTION!

After cleaning, check the gasket at the bottom end of the riser pipe. If it is not fitted correctly, is missing or is hard, maintaining the right position of the riser pipe in the heating bowl may be impossible, which in turn may negatively influence the operation of the appliance.

## Weekly cleaning

### Heating Bowl

The heating bowl in the bottom of the appliance must be thoroughly cleaned every week, especially in case of daily use of the appliance.

There is a scraper for cleaning the heating bowl in the package of the appliance.

### NOTE!

**Always use the enclosed cleaning scraper.**

1. Put the steel wool cloth soaked in soap or thin dishcloth on the heating bowl.
2. Then introduce the narrow end of the cleaning scraper into the heating bowl.
3. Clean the heating bowl through repeatedly turning the cleaning scraper inside out and to the left and right.

The heating bowl is clean, when the metal shines.



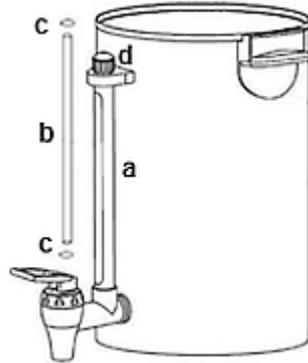
4. After cleaning, rinse the water tank thoroughly to remove all residuals of soap and cleaning agents.

## Cleaning

### Fill level indicator

If needed, the fill level indicator (a) may be cleaned from the inside using the right bottle brush.

1. Undo the screw (d) at the top next to the fill level indicator support.
2. Remove the glass pipe (b) and the top gasket (c).
3. Introduce the bottle brush into the glass pipe (b) and clean it thoroughly, using warm water and a gentle washing agent.
4. Rinse thoroughly with clear water.
5. Then fit the fill level indicator onto the support. Pay attention at the right position of gaskets (c) at the bottom and at the top.



### ATTENTION!

**Pay attention if the glass pipe is correctly positioned in the gasket.**

**Tighten the screw union gently, as the glass pipe may be broken.**

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6. Tighten the fill level indicator screw (d).

## 6.3 Descaling

Depending on the water hardness level in the place of usage, limescale may be deposited in the water tank and the heating bowl during the operation of the coffee machine. In order to maintain the appliance in the best possible condition, and in order to be certain that every brewing process yields the best results, the appliance should be descaled regularly.

The appliance is equipped with **red malfunction indicator**. Depending on the hardness of the water used, the indicator may be activated after a certain number of brewing cycles, which indicates that the appliance must be descaled. The thermostat is activated and thus it stops the operation of the appliance.

### NOTE!

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

For descaling the appliance we recommend the tried and proven agent:

### **Descaling agent B15-30, 30 pcs., art. No. 190065**

To descale the appliance, perform the following steps:

- Fill the water tank with at least 3 or 4.5 l of fresh potable water.
- Add the sufficient amount of descaling agent to water (follow indications on the packaging).
- Slide the riser pipe through the filter basket centre and place it in the heating bowl, in the bottom of the water tank. Pay attention to correct fitting of the riser pipe in the heating bowl.
- Place the lid on the water tank.
- Switch the appliance on with the ON/OFF switch.
- Perform the brewing cycle and leave the appliance on for approx. 15 minutes.
- Switch the appliance off.
- Use the drain tap to drain the descaling agent solution from the water tank.
- After descaling, perform at least two brewing cycles with the use of fresh water, without ground coffee, to remove all remains of the descaling solution.
- Rinse the tank, riser pipe and filter basket thoroughly with warm water, and drain the water through the drain tap.

After descaling, the appliance may be switched on only after pressing the **RESET** button, located at the bottom of the appliance.

During the subsequent start-up, the red malfunction indicator light will not come on.

## 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.

Problem	Cause	Solution
<b>The red operation indicator light does not come on.</b>	The plug is not connected to the mains socket.	Insert the plug into the mains socket.
	The premises connection fuse tripped.	Disconnect the appliance from mains supply, reset the fuse and re-connect the appliance.
	Damaged operation indicator light.	Contact the supplier.
	Damaged heating element.	Contact the supplier.
<b>The red malfunction indicator light comes on and the appliance switches off.</b>	No water in the water tank, the appliance was operating dry.	Leave the appliance to cool down, press the <b>RESET</b> button, located at the bottom of the appliance, refill with fresh potable water and switch the appliance on.
	The appliance is scaled.	Descale the appliance, following indications in section <b>6.3 "Descaling"</b> , press the <b>RESET</b> button, located at the bottom of the appliance, refill with fresh potable water and switch the appliance on.

## 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.