

SEVERIN



Instruction manual **GB**

SEVERIN piccola

GERMAN
QUALITY
SINCE 1892

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1. General information

1.1 Greeting

Dear Customers, we are pleased that you have selected a SEVERIN fully automatic coffee maker. Dive into the enjoyable world of coffee and milk specialities. Before you start, please take some time to get to know your machine with the help of the operating instructions. This will ensure that you will get the best possible results.

1.2 Notices concerning the operating manual



WARNING!

Danger of severe injuries or damage to the device due to failure to heed the safety instructions and operating manual.

- Read the operating manual and the safety-related supplemental sheet in their entirety before you use the device. Keep both documents in a safe place.
- In case you pass this device on to a third party, please also include the safety-relevant documents.



NOTE!

- SEVERIN assumes no liability for damage that arises due to non-observance of this operating manual.
- You can download the safety-related supplemental sheet, this operating manual and additional language versions on the Internet at www.severin.de.

2. For your safety

Important notes for your safety are marked in a special fashion. Be sure to follow these instructions to avoid accidents and damage to the appliance:



WARNING!

Indicates notes that must be heeded to prevent a danger or injury or a danger to life.



CAUTION!

Indicates notes that must be heeded to prevent a danger of slight injury.



CAUTION!

Indicates notes that must be heeded to prevent a danger of property damage.



NOTE!

Emphasises tips and other useful information.

To ensure safe use of this automatic coffee maker, please take note of the safety-related supplementary sheet before the appliance is first put into operation.

3. Technical data

Voltage	220–240 V~
Output/power consumption	1600 W
Pump pressure (max.)	15 bar
Capacity of water tank	1.35 l
Capacity of bean container	140 g
Capacity of grounds container	10 portions
Dimensions (W x H x D)	228 mm x 316 mm x 387 mm
Weight	approx. 6.35 kg

4. Overview

4.1 Items included

The following components are included:

- Your fully automatic coffee maker
- CD-ROM with Operating instructions & Warranty provisions
- Safety-related supplemental sheet
- Water hardness test strips
- Water filter
- Milk tube
- Cleaning tablets

4.2 Accessories

The following accessories are available:

- Water filter
- Cleaning tablets
- Descaling tablets
- Milk tube
- Milk system cleaner
- Thermo milk-jug

4.3 Device

Overview

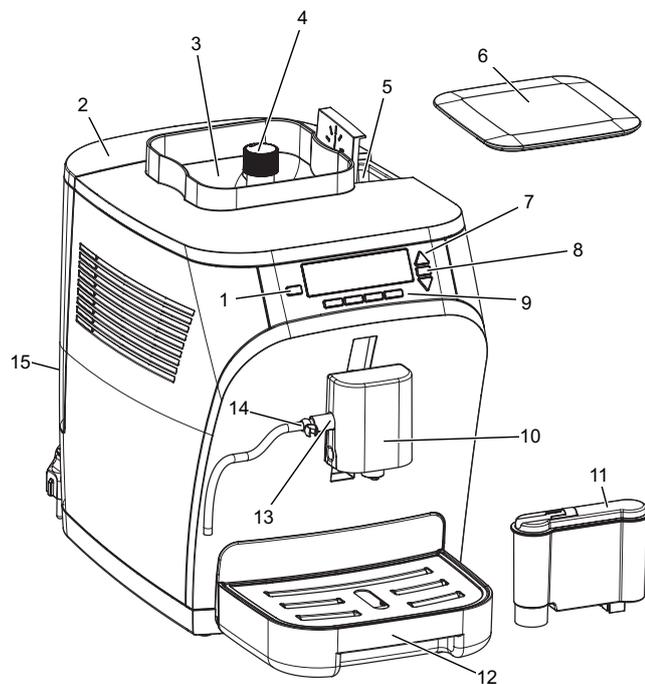


fig. 1: Device overview

Item	Designation	Explanations
1	On/off switch	
2	Water tank	For adding drinking water.
3	Bean container	For adding unground beans.
4	Grind regulator	For adjusting the grinding of the coffee variety.
5	Powder chamber	For adding a cup portion of coffee powder (e.g. decaffeinated coffee).
6	Bean container cover	
7	Arrow keys	For selecting a coffee speciality and for selecting menu options and settings on the menu.
8	OK button	To start the brewing process and to confirm menu selections and settings.
9	Display with operating controls or menu button	Shows details about beverage preparation and the menu. The buttons have the function shown on the respective display.
10	Coffee-milk dispenser with height adjustment*	The coffee-milk dispenser can be adjusted to the height of the container (cup/glass) below. <small>* depending on the model</small>
11	Water filter	To improve the water quality.
12	Drip tray with cup tray and grounds container	For catching water and coffee grounds.
13	Connection for milk tube	For drawing milk for coffee specialities with milk (e.g. cappuccino).

Item	Designation	Explanations
14	Milk tube with bracket	The milk tube can be hung on the bracket.
15	Brewing unit cover	The cover of the brewing unit is on the rear of the unit behind the water tank. On the inside of the cover you will find all relevant phone numbers of your SEVERIN service centre.

5. Switching on for the first time

When you switch the appliance on for the first time, it asks you for some basic settings.

1. Insert the mains plug into the outlet.
2. Use the On/Off switch to turn the appliance on.
 - The display shows "SEVERIN", followed by:
PLEASE SELECT LANGUAGE
3. Press one of the arrow keys until the desired language appears, and then confirm it by pressing the OK button.



NOTE!

If you have accidentally selected the wrong language, you can change the setting later on (► "7.3.1 Language") and (► "7.3.5 Resetting the device").

- The display shows:
PLEASE SELECT WATER HARDNESS
4. Check the water hardness on a tap using the water hardness test strip. To do this, proceed according to the enclosed description of the test strips.
 5. Use the arrow keys to select the water hardness and confirm by pressing the OK button.
 - The display shows:
USE WATER FILTER?
 6. Rinse the water tank thoroughly with water.
 7. If desired, insert the water filter into the water tank (fig. 2).

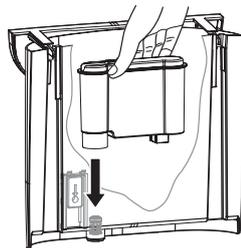


fig. 2: Inserting the water filter

**NOTE!**

A water filter improves the water quality of the water used by removing contaminants and scale from the water. SEVERIN recommends the use of a water filter for high water quality starting with 12 °dH.

8. Fill the water tank with cold drinking water up to the "Max" marking and place it on the appliance (fig. 3). However, make sure that the water tank hooks into the top of the appliance and lies close against the appliance.

**NOTE!**

The tank must be filled only with cold, clean, non-carbonated water. Never put milk, instant-powders, syrups or any other flavourings or additives into the tank.

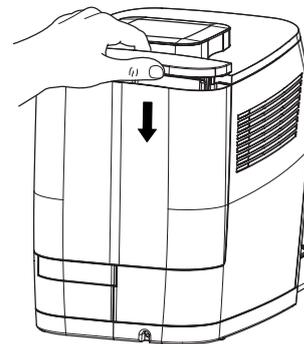


fig. 3: Fitting the water tank

9. Use the arrow keys to select
 - NO, if you do not want to use a water filter or
 - YES, if you want to insert a water filter
 and confirm your selection by pressing the OK button.



The display shows:

RINSING

Water runs from the coffee-milk dispenser into the drip tray.

As soon as the rinsing procedure is complete, the display shows the "Beverage selection" view. The appliance is now ready for operation.

**NOTE!**

Before preparing the first specialty milk drink, the air valve in the milk dispenser should be thoroughly cleaned (► fig. 10a).

6. Coffee preparation

6.1 Switching on/off

Each time you turn the machine on or off, the appliance first rinses the brewing unit.

1. Use the On/Off switch to turn the appliance on.

- ➔ The display shows the text "SEVERIN" and then:
RINSING
Rinsing of the brewing unit is complete as soon as "Beverage selection" appears again.



NOTE!

The device switches off automatically after a programmable switch-off time (default setting: 1 hour). By pressing the on/off switch, you can switch off the device manually at any time.

6.2 Operation

"Beverage selection" view



Symbols	Meaning
	To set the strength of the desired coffee. weak coffee normal coffee strong coffee individually-set quantity of beans Preparation with ground coffee
	To set the quantity of water. small cup (100 ml) medium cup (125 ml) large cup (160 ml) individually-set cup size
	To set the milk/milk foam quantity of a milk speciality. a little milk an average quantity of milk a lot of milk individually-set quantity of milk
	To call up and exit the menu.
	Indicates an error message



NOTE!

All symbols are not shown for each beverage; the symbols shown depend on whether or not the beverage is prepared with milk/coffee beans.



fig. 4: Loading the beans

The appliance is operated by using the arrow keys and control buttons, and subsequently confirming the selection with the OK button.

- Use the arrow keys to select a beverage. Preparation starts when the OK button is pressed.
- By pressing the control buttons below the display, you can adjust your coffee speciality to suit your individual needs.

"Device menu" view



In this menu, you can choose settings, perform maintenance programmes and display information.



fig. 5: Place the cup below the dispenser and adjust the outlet height*

- Pressing the menu button brings up the menu; you can exit it by pressing the button again.
- The arrow keys allow you to select a menu option; confirm by pressing the OK button.
- Use the button under the display field **X** to return to the previous menu without changing the setting.

6.3 Preparing coffee specialities



CAUTION!

Do not put your hand inside the unit to remove the drip tray directly after a beverage has been prepared, or directly following a cleaning cycle. There is a danger of scalding!

1. Open the cover of the bean container and use a dry and lint-free cloth to wipe the inside of the bean container.

2. Fill the bean container with coffee beans (fig. 4). Always ensure there are enough beans in the container.



NOTE!

Do not use caramelised coffee beans!

3. Close the cover of the bean container.

6.3.1 Preparing coffee or espresso

To prepare a coffee or espresso, there must be enough beans in the bean container and enough water in the water tank.

1. Place a cup on the cup tray below the coffee-milk dispenser and adjust the height of the coffee-milk dispenser to the cup height (fig. 5).
2. Use the arrow keys to select COFFEE or ESPRESSO.
3. If desired, you can use the button under the display field
 - to change the set coffee strength
 - to change the set water quantity.



NOTE!

To prepare the coffee speciality with your own settings, press the respective button until is displayed after the corresponding symbol (► "7.2 Making individual settings for coffee preparation").

4. Confirm by pressing the OK button.
 - ➡ The desired coffee speciality is being prepared.
5. To change the coffee quantity during dispensing, use the arrow keys while the process is going on.
 - ➡ The display shows a bar with the set quantity in "ml".
The coffee dispensing stops automatically after the selected quantity has been prepared. It can also be stopped early by pressing the OK button.

6.3.2 Preparing coffee-milk specialities

To prepare a cappuccino, a white coffee, hot milk or a latte macchiato, there must be enough beans in the bean container and enough water in the water tank. Also place a container filled with milk (e.g. SEVERIN thermo milk-jug) next to the appliance.



NOTE!

Coffee specialities with milk are best prepared using chilled milk with a high protein content.

1. Plug the milk tube onto the connection on the coffee-milk dispenser and place the other end of the tube in the milk container (fig. 6), or connect the filled thermo milk-jug to the automatic coffee maker.



NOTE!

Make sure that the tube is submerged in the milk so that the milk can be drawn correctly by the device.

2. Place a cup on the cup tray below the coffee-milk dispenser of the appliance and adjust the height of the coffee-milk dispenser to the cup height (fig. 5).
3. Use the arrow keys to select CAPPUCCINO, LATTE MACCHIATO, WHITE COFFEE or MILK.
4. If desired, you can use the button under the display field
 - to change the pre-set coffee strength
 - to change the pre-set water quantity
 - to change the pre-set milk/milk froth quantity.

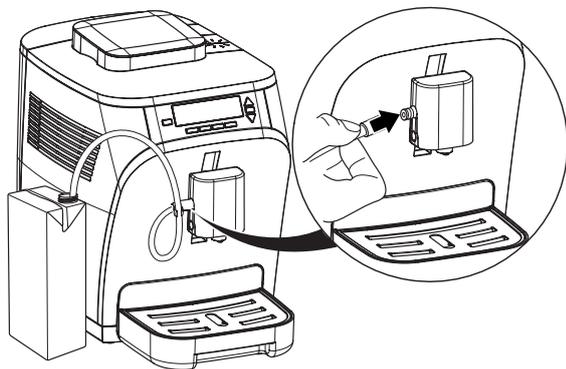


fig. 6: Connecting the milk tube

**NOTE!**

To prepare the coffee speciality with your own settings, press the respective button until **||** is displayed after the corresponding symbol (► "7.2 Making individual settings for coffee preparation").

5. Confirm your selection by pressing OK.
 - ➔ The desired coffee speciality is prepared.
6. The milk quantity may be changed by using the arrow keys while it is being dispensed.
 - ➔ The display shows a bar with the currently set milk dispensing time in seconds.
7. In the same way, the coffee quantity may be changed by using the arrow keys while the coffee is being dispensed.

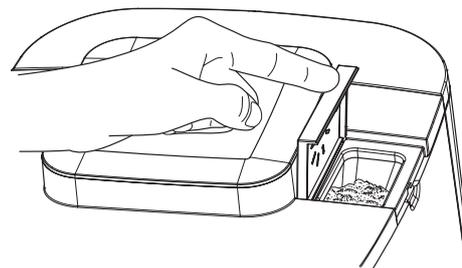


fig. 7: Putting ground coffee into the powder chamber

- ➔ The display shows a bar with the set quantity in "ml". Coffee dispensing stops automatically, or by pressing OK. After preparation, the display indicates:
DO YOU WANT TO CLEAN THE MILK SYSTEM?

8. Press
 - the button under the display field **✓** to perform cleaning (► "8.2.2 Cleaning milk system"), or
 - the button under the display field **X** if you want to perform the cleaning later.

**NOTE!**

It is recommended that you clean the milk system after each preparation.

6.4 Preparing coffee with coffee powder

You can also prepare a coffee speciality with coffee powder. This is especially useful if you want to prepare a decaffeinated coffee, for example.



CAUTION!

Incorrect filling can damage the device.

- Only add coffee when the device asks you to.
- Only add coffee made of ground beans (no instant beverage powder, coffee granules, cocoa, etc.).
- Fill the powder chamber only once for each cup portion, not multiple times.

1. Proceed as described in chapters ► "6.3.1 Preparing coffee or espresso" and ► "6.3.2 Preparing coffee-milk specialities" to select the desired beverage.
 2. Instead of selecting the strength of the coffee, use the button under the display field  to select the symbol .
 3. After you have selected the desired water and milk quantities, press OK.
 After a short time, the display shows:
PLEASE FILL COFFEE GROUNDS.
 4. Open the powder chamber and put in the required amount of ground coffee. (fig. 7)
 5. Close the powder chamber.
 6. Press OK again.
 The desired coffee speciality is prepared.
7. To make changes to the liquid quantities while dispensing is on progress, press the arrow keys as described in the sections ► "6.3.1 Preparing coffee or espresso" and ► "6.3.2 Preparing coffee-milk specialities".

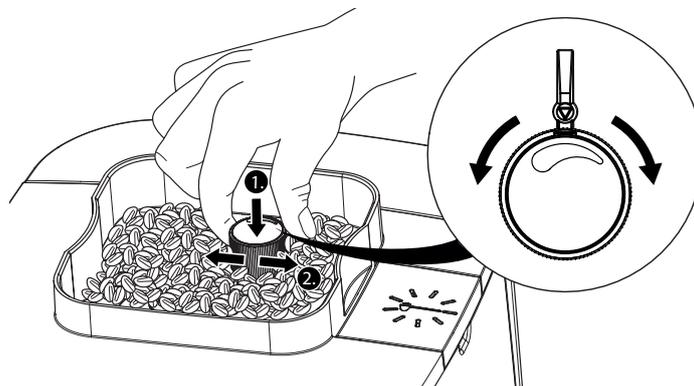


fig. 8: Setting the grind quality

7. Individual settings

7.1 Setting the grinding fineness

The grinding fineness affects the taste of the coffee. Select the grinding fineness according to the type of coffee you are using.



NOTE!

For a light roast, you should set a high fineness; for a dark roast a medium fineness is optimal. The roast is normally printed on the coffee package.



CAUTION!

If the fineness setting is moved without grinding coffee beans, the grinder can be damaged.

- Only shift the grinding fineness while the grinder is grinding.

Here's how to set the grinding fineness:

1. Place a cup on the cup tray below the coffee-milk dispenser of the appliance and adjust the height of the coffee-milk dispenser to the cup height.*
2. Open the cover of the bean container.
3. Select a beverage using the arrow keys.
4. Press OK to confirm.
 - ➡ The grinder starts operating.

* depending on the model

5. Now set the grinding level of the beans on the grinder regulator. To do this, press the grinder regulator down and turn it (fig. 8).
- to the left in order to increase the fineness level.
 - to the right in for a coarser fineness.
- ➡ As soon as you release the grinder regulator, it snaps upward automatically.
6. Close the cover of the bean container again.

7.2 Making individual settings for coffee preparation

You can adapt the coffee preparation individually to your personal preferences. For each coffee speciality, the preparation variants listed below are available.

Preparation variants

Espresso/coffee		
	Quantity of coffee (espresso)	20 – 50 ml
	Quantity of coffee (coffee)	50 – 250 ml
	Coffee strength	very weak, weak, normal, strong, very strong
	Temperature coffee	very low, low, normal, high, very high

Cappuccino/Latte macchiato		
	Quantity Coffee	20 – 250 ml
	Quantity Milk	10 – 30 seconds
	Coffee strength	very weak, weak, normal, strong, very strong
	Temperature coffee	very low, low, normal, high, very high
	Pause time (only Latte macchiato)	15, 30, 45 seconds
White coffee		
	Quantity Coffee	20 – 250 ml
	Quantity Milk	10 – 30 seconds
	Coffee strength	very weak, weak, normal, strong, very strong
	Temperature coffee	very low, low, normal, high, very high
Milk/milk froth		
	Quantity Milk	10 – 30 seconds



NOTE!

- The total fill quantity of the cup for beverages prepared with milk consists of the coffee quantity plus the milk/milk froth quantity! Take this into account when selecting your cup.
- The pause time influences the layering for a latte macchiato.

7.2.1 Storing personal settings

Here's how to programme your own settings for coffee preparation:

1. Press the menu button and use the arrow keys to select the menu option
BEV. SETT. MENU.
➡ The display shows a list with the coffee specialities.
2. Select the coffee speciality whose settings you would like to change.
➡ The display shows the setting possibilities for the selected coffee speciality (see previous table: "Preparation variants").
3. Select the setting that you would like to change.
➡ The display shows a bar with the currently selected setting.
4. Use the arrow keys to change the setting and
 - confirm the change by pressing OK, or
 - cancel the change with the button under the display field **X**.
5. Then press the menu button to exit the menu.
➡ The display shows the "Beverage selection" view. The settings are now saved. You can apply the settings by simply selecting the **||** symbol with the respective button (► "6.3 Preparing coffee specialities").

7.2.2 Making personal settings quickly (Quick Select)

You can also make the settings temporarily before the preparation:

1. In the "Beverage selection" view, press the button
 - to change the currently set coffee strength.
 - to change the currently set water quantity.
 - to change the currently set milk/milk foam quantity.
2. Select the desired setting using the arrow keys.
3. Press OK.
➡ The selected coffee speciality is prepared using the selected settings. However, these settings are not saved.

7.3 Changing the device settings

7.3.1 Language

This is how to select the preferred language for the display.

1. Press the menu button and use the arrow keys to select the menu option
DEVICE MENU.
2. Then select the
LANGUAGE
menu option.
➡ The display shows the available languages.
3. Use the arrow keys to change the setting and
 - confirm by pressing OK, or
 - cancel the change with the button under the display field **X**.



NOTE!

If you have accidentally selected the incorrect language, you can reset the device to the factory setting (► "7.3.5 Resetting the device in case of incorrect language setting").

7.3.2 Water hardness

Select the water hardness according to the water hardness in your household. Depending on the setting, your appliance will inform you when it is time to perform a descaling.



NOTE!

In order to operate your device optimally, set the water hardness according to the specifications of your water utility. Use the included water test strip to determine the water hardness.

Here's how to set the water hardness:

1. Press the menu button and use the arrow keys to select the menu option
DEVICE MENU.
2. Then select the
WATER HARDNESS
menu option.
➡ The display shows:
HARDNESS 4 PLEASE SELECT WATER HARDNESS.
3. Use the arrow keys to change the setting and
 - confirm by pressing OK, or
 - cancel the change with the button under the display field **X**.

7.3.3 Water filter

If you want to use a water filter, you must set the device accordingly. The water filter improves the water quality and the appliance requires less descaling if properly operated.



NOTE!

SEVERIN recommends the use of a SEVERIN water filter for high water quality. The water filters are effective for approx. 4 to 8 weeks before they have to be changed.

This is how to set the device for the use of a water filter:

1. Press the menu button and use the arrow keys to select the menu option
DEVICE MENU.
2. Then select the
WATER FILTER
menu option.
➡ The display shows:
USE WATER FILTER?
3. Use the arrow keys to select
 - YES, if you want to insert a water filter in the water tank or
 - NO, if you do not want to use a water filterand press OK to confirm.
4. Follow the steps in section ► "8.2.6 Changing water filter.

7.3.4 Energy savings options

The appliance has an automatic power-off function. You can set this time limit individually this way.

Here's how to set the energy savings options:

1. Press the menu button and use the arrow keys to select the menu option
DEVICE MENU.
2. Then select the
AUTO POWER-OFF
menu option.
 - ➔ The display shows the currently-set time for the automatic power-off.
3. Use the arrow keys to change the setting and
 - confirm by pressing OK, or
 - cancel the change with the button under the display field **X**.

7.3.5 Resetting the device

You can reset the device to the factory settings. All personal settings for coffee preparation will be lost, and the device starts once again with the commissioning (▶ „5. Switching on for the first time“).

Resetting the device via the menu

Here's how to reset the device to the factory settings:

1. Press the menu button and use the arrow keys to select the menu option
DEVICE MENU.
 2. Then select the
FACTORY SETTINGS
menu option.
 - ➔ The display shows:
RESET TO DEFAULT
 3. Press
 - the button under the display field **✓** if you want to call up the factory settings or
 - the button under the display field **X** if you want to keep your personal settings.
- ➔ For a short while, the display shows the note:
DEVICE SET TO FACTORY DEFAULTS.
All programmed values are now reset. All basic settings must now be adjusted again.
(▶ „5. Switching on for the first time“).

Resetting the device in case of incorrect language setting

If you have accidentally set an incorrect language and a resetting via the menu is not possible, you can also reset the device to the delivery state as follows:

1. Switch the appliance off.
2. Press the outer two buttons below the display and hold them down.
3. Switch the appliance on and continue to hold the buttons down until the message
DEVICE SET TO FACTORY DEFAULTS
appears on the display.
 - ➔ All programmed values are now reset. All basic settings must now be adjusted again.
(▶ „5. Switching on for the first time“).

8. Maintenance

In order to enjoy your device for a long time and enjoy good coffee at any time, you must clean the appliance regularly. Following is an overview of all necessary cleaning activities. Some parts of the appliance are dishwasher-safe or can be cleaned by hand, others are cleaned by the device itself thanks to an appropriate cleaning programme.

Overview

daily	
	Empty and clean water tank, drip tray and grounds container and clean coffee-milk dispenser and milk foamer (▶ "8.1 Daily cleaning")
	Rinse milk system (▶ "8.2.2 Rinsing the milk system")
	Clean the milk system (▶ "8.2.3 Cleaning the milk system")
when the device indicates	
	Run the cleaning program (▶ "8.2.4 Cleaning program")
	Descaling (▶ "8.2.5 Descaling")
	Change water filter (▶ "8.2.6 Changing the water filter")
weekly	
	Clean brewing unit (▶ "8.3 Cleaning the brewing unit")

at the latest every 2 months	
	Change water filter (▶ "8.2.6 Changing the water filter")
when necessary	
	Clean bean container (▶ "8.4 Cleaning the bean container")
	Dispose of the used milk tube and replace with a new one.
	Wipe the housing of the device with a damp soft cloth without abrasives.

Maintenance tips

Your device informs you about important maintenance intervals via a message on the display (see overview). In this case, you can start the cleaning programme directly:

- Press the button under the display field ✓ and perform the steps described in the corresponding chapters of these instructions starting with step 3.
- If you want to run the cleaning programme later, press the button under the display field ✕.



CAUTION!

If you do not run the cleaning program right away, a warning symbol appears on the display as a reminder that you must still start a cleaning program. You can continue to use the device without limitation after the display of a maintenance message. However, the message will continue to be displayed in order to remind you about the necessity of maintenance and to prevent damage to the device.

- Clean the machine as soon as you can.



NOTE!

Milk is a food that can spoil. For your health, you should therefore always clean the milk unit as soon as possible.

8.1 Daily cleaning

Clean the water tank, the drip tray, the coffee-milk dispenser and the milk frother every day.

1. Switch the appliance off and disconnect the mains plug.
2. Remove the water tank (and water filter if fitted).
3. Clean the water tank with clean water and a mild detergent, and dry it inside and outside with a lint-free cloth.
4. Re-insert the water filter if necessary.
5. Pull the drip tray out of the appliance.
6. If necessary, clean the interior of the appliance. Ensure, however, that it has cooled down, is switched off and is disconnected from the mains.
7. Remove the grounds container and empty the coffee grounds.
8. Clean both parts and the cup tray with clear water and a mild detergent.

9. Remove the coffee-milk dispenser by pulling the whole part out of the guide towards the bottom using the handles (fig. 9).
10. Hold the milk frother nozzle at the supply connection and pull it out of the coffee-milk dispenser towards the top (fig. 10).
11. Clean all parts with clean water and mild detergent.
12. Put the drip tray (fig. 11) and the other parts back together, and push the drip tray and the coffee-milk dispenser back into the appliance.



NOTE!

- The drip tray including grounds container and the coffee-milk dispenser can be put in the dishwasher.
- The air valve (► fig. 10a) may be cleaned with a light circular motion, using the cleaning tool provided.

8.2 Cleaning programmes

The device has automatic cleaning programmes. These can be started from the menu at any time.

8.2.1 Rinsing the device

The coffee system is rinsed automatically each time it is switched on/off in order to guarantee evenly high quality of the coffee preparation. In addition, you can manually start a rinsing cycle.

1. Press the menu button and use the arrow keys to select the menu option
CLEANING
2. Then select the
RINSING
menu option.

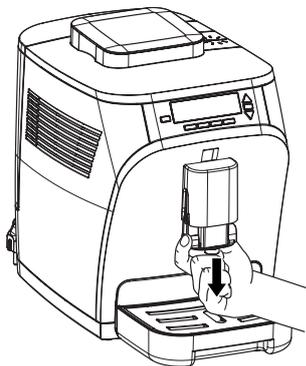


fig. 9: Removing the coffee-milk dispenser

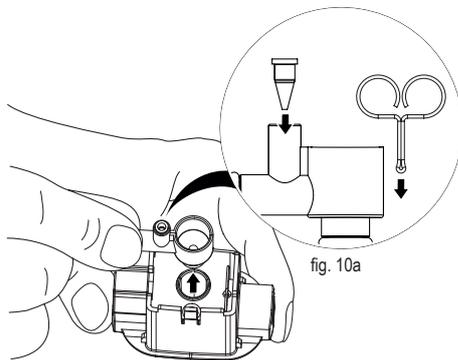


fig. 10: Removing the milk frother nozzle

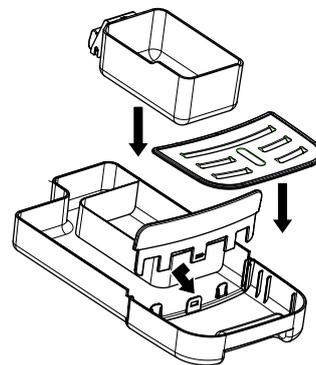


fig. 11: Drip tray assembly

- ➡ The display shows:
RINSING
The rinsing is complete as soon as "Beverage selection" appears again.

8.2.2 Rinsing the milk system

For hygienic reasons, as well as to ensure consistently high quality when preparing milk coffee specialities, the milk system must be rinsed after each cycle of use.

1. Press the menu button and use the arrow keys to select the menu option
CLEANING
2. Then select the
MILK UNIT
menu option

- ➡ The display shows:
PLEASE PLACE MILK TUBE IN WATER JAR

3. Plug the milk tube onto the connection on the coffee-milk dispenser and place the other end of the tube in a container filled with 200 ml clean, cold water.
4. Press OK to confirm.
 - ➡ The display shows:
PLEASE POSITION CONTAINER
5. Place a cup with a capacity of at least 200 ml on the cup tray below the coffee-milk dispenser of the device and adjust the height of the coffee-milk dispenser to the cup height.*
6. Press OK to confirm.

- The display shows:
MILK UNIT
The rinsing of the milk system is complete as soon as "Beverage selection" appears again.

8.2.3 Cleaning the milk system

The device has a milk cleaning programme that can remove any milk residues with the SEVERIN milk system cleaner.



NOTE!

The cleaning process takes approx. 3 minutes.

1. Press the menu button and use the arrow keys to select the menu option
CLEANING
2. Select the
CLEAN MILK SYS.
menu option
 - The display shows:
PLEASE PLACE MILK TUBE IN CLEANING LIQUID
3. Fill a container with 200 ml warm water and 20 ml SEVERIN milk system cleanser. (mixing ratio 1:10)
4. Plug the milk tube onto the connection on the coffee-milk dispenser and place the other end of the tube in the container filled with cleaning solution.
5. Press OK to confirm.
 - The display shows:
PLEASE POSITION CONTAINER
6. Place a cup with a capacity of at least 200 ml on the cup tray below the coffee-milk dispenser of the device and adjust the height of the coffee-milk dispenser to the cup height.*

7. Press OK to confirm.
 - The display shows:
CLEAN MILK SYS.
The cleaning of the milk system begins.
8. As soon as the command
PLEASE PLACE MILK TUBE IN WATER JAR
appears on the display, place the end of the milk tube in a container filled with 200 ml clean, cold water.
9. Press OK to confirm.
 - The display shows:
PLEASE POSITION CONTAINER
10. Empty the cup underneath and place it underneath the coffee-milk dispenser of the device on the cup tray once again.
11. Press OK to confirm.
 - The display shows:
RINSING
The rinsing of the milk system is complete once "Beverage selection" appears again.

8.2.4 Cleaning programme

The device has a cleaning programme with which the coffee system can be rinsed and cleaned intensively with a cleaning tablet.



NOTE!

If you carry out the cleaning program immediately after the display of a cleaning message, steps 1 and 2 can be omitted.

1. Press the menu button and use the arrow keys to select the
CLEANING
menu option.

2. Then select the
CLEANING
menu option
 - The display shows:
PLEASE FILL WATER CONTAINER
 3. Fill the water tank with water up to the max. marking and place it on the device.
 4. Press OK to confirm.
 - The display shows:
EMPTY DRIP TRAY AND GROUNDS CONT.
 5. Remove the drip tray and empty it together with the grounds container.
 6. Re-assemble all parts and push the drip tray back into the device.
 7. Place a 500 ml container under the coffee-milk dispenser on the cup tray.
 8. Press the OK button.
 - The display shows:
CLEANING
 9. Wait until the command
PLEASE ADD CLEANING TAB
appears on the display, then open the powder chamber and insert the cleaning tablet.
10. Close the powder chamber.
11. Press OK to continue.

**NOTE!**

The SEVERIN cleaning tablets are optimally at-tuned to your device and can be purchased from your SEVERIN dealer.

- The display shows:
CLEANING

**NOTE!**

The cleaning process can take as long as 15 minutes.

12. As soon as the command
EMPTY DRIP TRAY AND GROUNDS CONT.
appears on the display, repeat steps 5 and 6.
 - The cleaning programme is complete as soon as the "Beverage selection" view is displayed again.

8.2.5 Descaling

Depending on the water hardness of the drinking water used and the application of a water filter, the appliance must be descaled at particular intervals so that no scale builds up in the system.

**CAUTION!**

Due to unsuitable descaler and if the descaling is not performed regularly, the device can be damaged.

- Use SEVERIN descaler, never vinegar or other acidic substances.
- Descale regularly.



NOTE!

- The descaling process can take as long as 45 minutes.
- No warranty is made for damage that is due to devices which have not been descaled regularly.
- If you descale immediately after the display of a cleaning message, steps 1 and 2 can be omitted.
- If you use a water filter, remove it before descaling.

1. Press the menu button and use the arrow keys to select the menu option
CLEANING
2. Then select the
DESCALING
menu option
 - ➡ The display shows:
EMPTY DRIP TRAY AND GROUNDS CONT.
3. Remove the drip tray and empty it together with the grounds container.
4. Re-assemble all parts and push the drip tray back into the appliance.
5. Press OK to continue.
 - ➡ The display shows:
PLEASE ADD DESCALING SOLUTION
6. Fill the water tank halfway with lukewarm tap water and place the descaling tablets in the water tank.
7. Wait until the descaling tablets are completely dissolved, and then place the water tank on the appliance.
8. Press OK to continue.

➡ The display shows:
DESCALING

9. As soon as the command
EMPTY DRIP TRAY AND GROUNDS CONT.
appears on the display, empty the drip tray and grounds container again. Clean the parts with clear tap water and reinsert them into the appliance.
10. Press OK to continue.
 - ➡ The display shows:
RINSE CONTAINER AND FILL WITH WATER
11. Rinse the water tank thoroughly with clear tap water, then fill it to the top and put it back on the appliance.
12. Press OK to continue.
 - ➡ The display shows:
DESCALING
Descaling is complete as soon as "Beverage selection" appears again.

8.2.6 Changing the water filter

For constant water quality, the water filter must be changed regularly.



NOTE!

If you change the water filter immediately after the display of a cleaning message, steps 1 and 2 can be omitted.

1. Press the menu button and use the arrow keys to select the menu option
CLEANING
2. Then select the
WATER FILTER
menu option

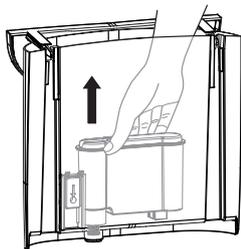


fig. 12: Removing the water filter

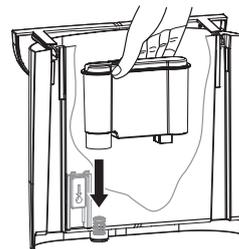


fig. 13: Inserting the water filter

➔ The display shows:
INSERT NEW WATER FILTER

3. Remove the water filter.
4. Fill the water tank halfway with cold drinking water.
5. Insert a new water filter (fig. 13).
6. Replace the water tank on the appliance.
7. Press OK.

➔ The display shows:
RINSING

➔ The filter change is complete as soon as the "Beverage selection" view is displayed again.

8.3 Cleaning the brewing unit

In addition to an integral cleaning programme, the appliance also offers you the opportunity to clean the brewing unit manually. For this purpose, the brewing unit can be removed as follows:

1. Switch the appliance off and disconnect the plug.
2. Remove the water tank and pour out the remaining water.
3. Remove the cover of the brewing unit on the rear of the appliance by pressing down on the tabs with your thumbs and pulling towards you (fig. 14).
 - ➔ The brewing unit is now visible.
4. Pull the red lever of the brewing unit upwards and pull the brewing unit downwards at an angle out of the machine (fig. 15).
5. Clean the brewing unit under running water.

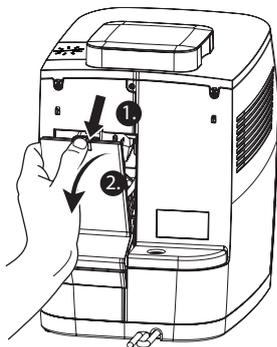


fig. 14: Removing the cover of the brewing unit

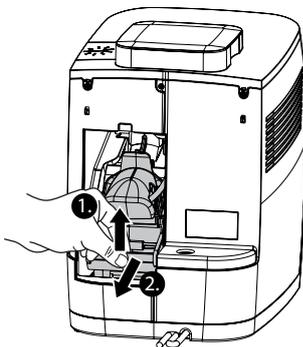


fig. 15: Pulling out the brewing unit

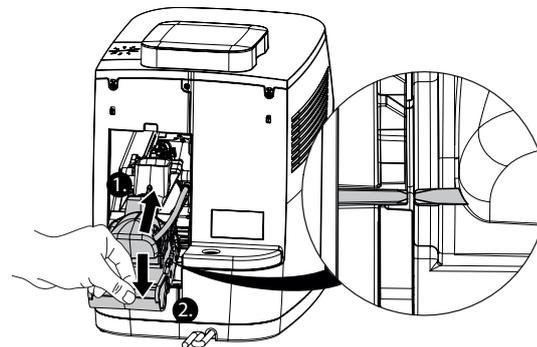


fig. 16: Inserting the brewing unit

**CAUTION!**

Incorrect handling of the brewing unit can cause damage to the brewing unit.

- Do not take the brewing unit apart or adjust it.
- Push the brewing unit in place from below.

6. Insert the brewing unit into the machine and push it in until, the locking latches are aligned. (fig. 16).
7. Press the red lever of the brewing unit down. If the lever does not move, check the position.
8. Close the brewing unit again with the cover.

8.4 Cleaning the bean container

The bean container must be cleaned regularly to prevent contamination. Ideally this is done when the supply of beans is used up and before new beans are added.

**CAUTION!**

There is a danger of damage to the device if objects fall into the bean feed.

- Switch the device off before starting cleaning.
- Do not let any objects fall into the bean feed.

Here's how to clean the bean container:

1. Switch the appliance off and disconnect the plug.
2. Wipe the bean container with a dry, lint-free cloth.

9. Troubleshooting

In addition to the cleaning messages, the display also shows an appropriate message in case of a technical fault.



WARNING!

When opening a defective unit, there is a danger of injury.

- Never repair a defective device yourself. In case of a technical defect, contact SEVERIN customer service.

Display	Cause	Remedy
PLEASE CLEAN BREWING UNIT.	The brewing unit must be cleaned.	Clean the brewing unit (► "8.3 Cleaning the brewing unit").
CHECK BREWING UNIT AND INSERT.	The brewing unit is not inserted correctly.	Insert the brewing unit (► "8.3 Cleaning the brewing unit").
SYSTEM ERROR.	A system error has occurred.	Switch the unit off for several seconds, then turn it on again. Disconnect the unit from the mains for several seconds. If the problem persists, contact our customer service.
PLEASE RE-FILL COFFEE BEANS.	The bean container is empty.	Fill the bean container with beans (► "6.3 Preparing coffee specialities").

Display	Cause	Remedy
	The grind mechanism is blocked.	Set the grinder regulator on the coarsest fineness (► "7.1 Setting the grinding fineness") and prepare another coffee speciality. If this solves the problem, set the desired fineness again for the next beverage. If problem persists, contact customer service.
BREWING UNIT DOOR OPEN.	The door of the brewing unit is not closed.	Properly close the door of the brewing unit.
RINSING NECESSARY. PLEASE PRESS OK-BUTTON.	After the cover of the brewing unit has been opened, rinsing becomes necessary.	Press OK; rinsing will start automatically.

Display	Cause	Remedy
WATER SUPPLY ERROR.	There is not enough water in the brewing unit.	<p>Make sure the water tank is firmly fitted.</p> <p>Clean the water tank and especially its water discharge on the floor.</p> <p>Fill the water tank halfway with cold drinking water and if necessary, remove the water filter and replace it.</p> <p>'Bleed' the water filter by filling it with water and replacing it in the tank.</p> <p>If problem persists, also clean the brewing unit (► "8.3 Cleaning the brewing unit").</p>
GRINDER BLOCKED. PLEASE CONTACT SERVICE.	The grinder is blocked.	<p>Set the grinder regulator on the coarsest fineness (► "7.1 Setting the grinding fineness") and prepare another coffee speciality.</p> <p>If this solves the problem, set the desired fineness again for the next beverage.</p> <p>If problem persists, contact customer service.</p>

9.1 Display device information

For questions to customer service in case of a fault, you can display various device information on the display.

This is how to display device information:

1. Press the menu button and use the arrow keys to select the menu option
INFORMATION
2. If you want to have the number of beverages prepared with the device displayed, select the
QUANTITY INFO
menu option.
 - ➡ The display shows the number of coffee specialities prepared since the commissioning of the device.
3. If you want to have information about the device type displayed, select the
DEVICE INFO
menu option.
 - ➡ The display shows the serial number of the device, the device version and the software version.

10. International warranty for fully automatic coffee makers

10.1 The SEVERIN manufacturer's warranty

By way of this warranty, SEVERIN guarantees that the product, which has been designed and built exclusively for home use, is free of defects in materials and workmanship. The warranty period is 24 months, beginning on the date of purchase by the end-customer. If problems are experienced during the warranty period that are attributable to defects in materials or workmanship, the product or the defective components will be repaired or replaced by the SEVERIN service department, international SEVERIN branches, or authorised SEVERIN service locations or service dealers in accordance with the terms and conditions set forth below.

10.2 Handling of warranty claims

If your SEVERIN fully automatic coffee maker requires warranty service, please always phone the respective SEVERIN service centre first. Specially trained experts are on hand there to take your call and deal with your specific case quickly and professionally. We will strive to process your warranty claim to your complete satisfaction. The telephone number for your SEVERIN service centre can be found on the inside of the brewing unit cover.

If the appliance is taken out of the country in which it was purchased, warranty claims can still be handled by an authorised SEVERIN service location.

10.3 Terms and conditions of warranty

- The SEVERIN warranty is valid only if the purchase date and appliance type can be verified from a purchase receipt.

- During the warranty period, SEVERIN will repair any defects in the product, but is entitled to choose between repair, replacement of defective parts, or replacement of the whole appliance.
- The warranty does not cover damage or defects caused by improper use, improper electrical connection, attempted repairs by unauthorised individuals, or failure to follow the operating instructions. Also, the warranty does not apply in the event that SEVERIN operating or maintenance instructions are not followed and/or materials (water filters, cleaning products) are used that do not comply with the original specifications. The warranty does not cover parts subject to wear (e.g. seals, grinding discs, valves) or damage to the grinding mechanism caused by foreign objects (e.g. stones, paper clips), or damage caused by accidents, lightning, water or fire, insufficient ventilation, or other damage over which SEVERIN has no control.
- SEVERIN service is available (both during the warranty and after its expiry) in all countries in which SEVERIN officially sells the product.
- The warranty becomes invalid if the coffee maker needs to be modified or adjusted to enable it to be used in a country other than the one for which it was manufactured. This also means that the warranty does not cover the repair of damage resulting from any such modifications

11. Disposal



CAUTION!

Incorrect disposal can cause environmental damage.

- The device contains electronic components and it therefore must not be disposed of in household rubbish.
- For disposal, heed the local disposal regulations and, in case of doubt, ask the responsible authorities about proper disposal.

- Dispose of packaging materials that are no longer needed according to local regulations.
- Dispose of the water filter in the normal household garbage.
- At the end of its life, hand the appliance over to a collection point for electrical scrap.



12. Tips for perfect coffee enjoyment

Situation	Tip
What kinds of coffee can I use?	All types of coffee that are not treated after roasting (e.g. with sugar).
My espresso/coffee does not have any foam.	Use the right beans.
	The coffee is old. Use fresh coffee beans.
	Set a higher fineness (▶ "7.1 Adjusting the grinding fineness").
	Increase the quantity of coffee (▶ "6.3.1 Preparing coffee or espresso").
My espresso tastes bitter.	Use a different type of coffee.
	Reduce the strength of the coffee (▶ "6.3.1 Preparing coffee or espresso").
	Set a higher fineness (▶ "7.1 Adjusting the grinding fineness").
	Set a lower brewing temperature (▶ "7.2 Making individual settings for coffee preparation").

Situation	Tip
My espresso tastes sour.	Use a different type of coffee.
	Reduce the strength of the coffee (▶ "6.3.1 Preparing coffee or espresso").
	Clean the water tank and fill it with fresh water.
	Set a higher brewing temperature (▶ "7.2 Making individual settings for coffee preparation").
My espresso tastes bland.	Set a coarser fineness (▶ "7.1 Adjusting the grinding fineness").
	Increase the quantity of coffee (▶ "6.3.1 Preparing coffee or espresso").
The coffee flows very slowly out of the coffee-milk dispenser.	Set a coarser fineness (▶ "7.1 Adjusting the grinding fineness").
	Clean the coffee-milk dispenser (▶ "8.1 Daily cleaning").
	Descale the device (▶ "8.2.5 Descaling").
What type of milk is best for frothing?	Types of milk with a high protein content. The fat content does not matter. The milk should be slightly cooled.

Situation	Tip
My milk does not foam.	Clean the milk system (▶ "8.2.3 Cleaning the milk system").
	Check that the air valve in the milk frother nozzle is correctly fitted. (▶ fig. 10a).
	Clean the air valve (▶ 8.1 Daily cleaning).
When should I insert the water filter?	Recommendation: starting at 12 °dH

13. Licence provisions

FreeRTOS

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