



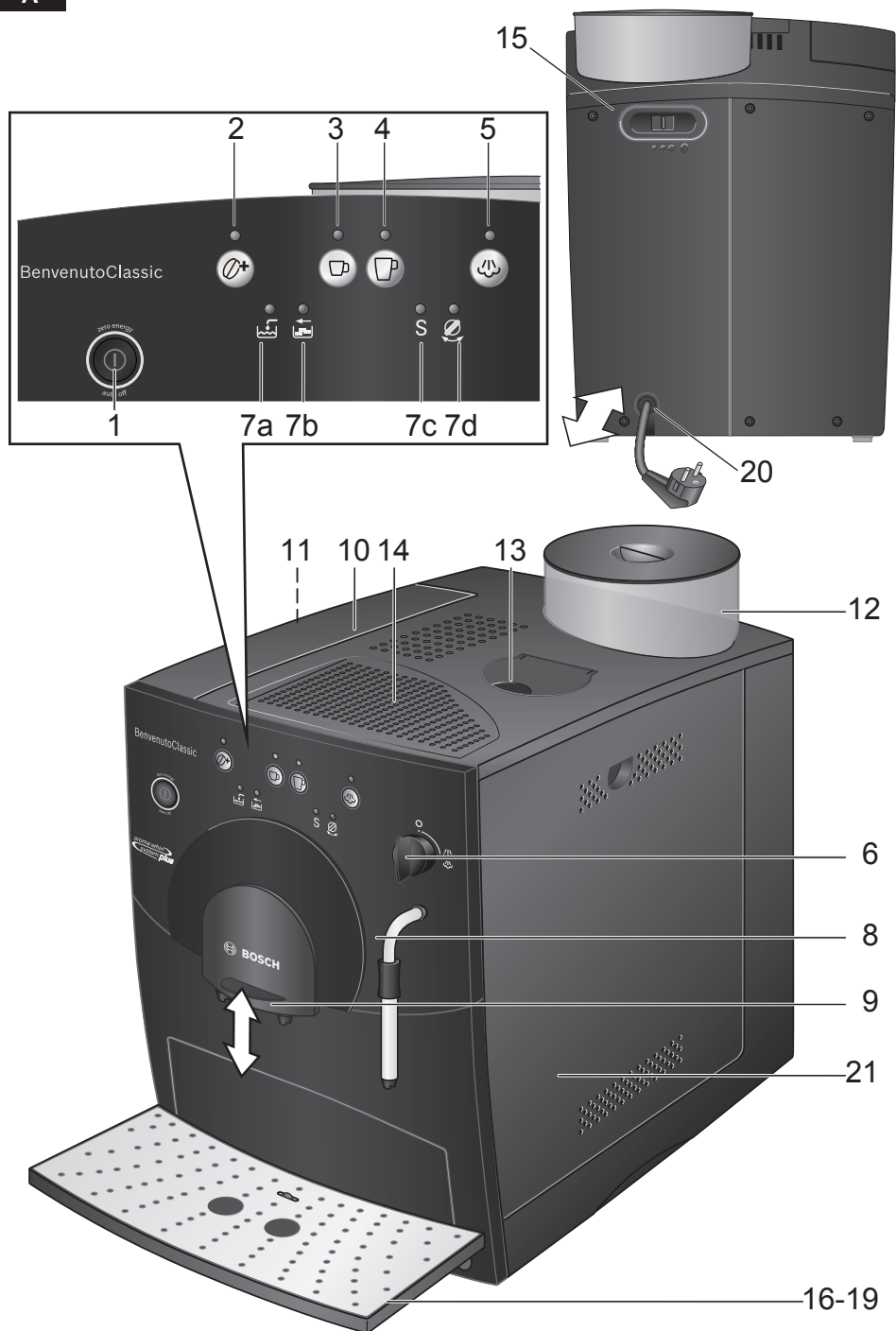
TCA 53..



BOSCH

de	Gebruiksaanleitung
en	Operating instructions
fr	Notice d'utilisation
nl	Gebruiksaanwijzing
es	Instrucciones de uso
pt	Instruções de utilização
ru	Инструкция по эксплуатации
it	Istruzioni per l'uso
pl	Instrukcja obsługi

A



D

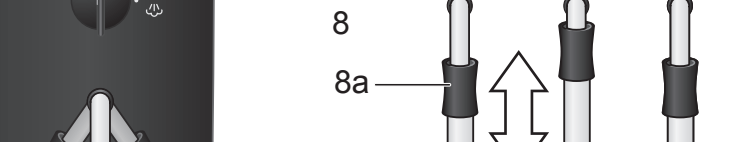
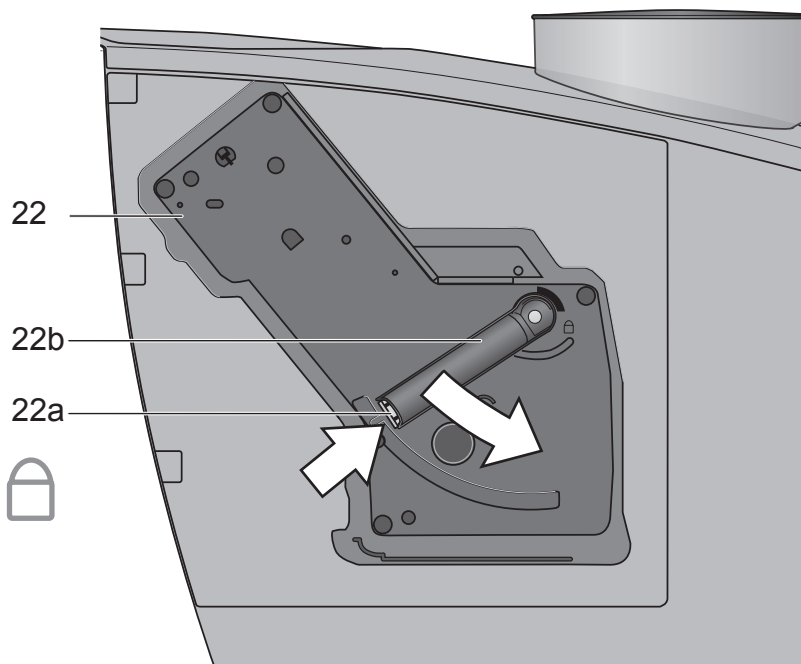
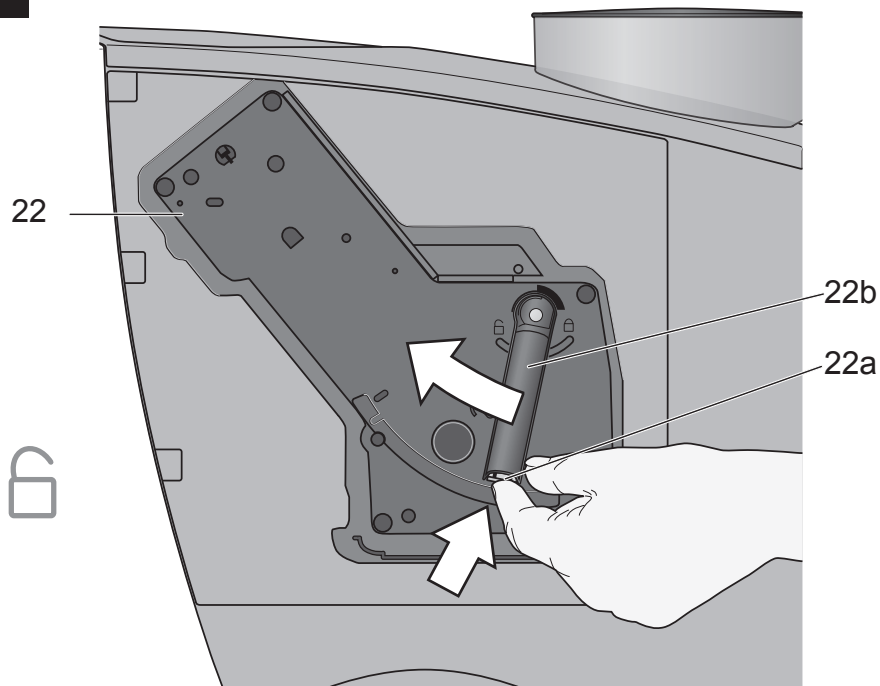


Diagram D illustrates the assembly of the three-legged stand. The left part shows three legs (8a, 8b, 8c) being joined at their bases. The right part shows a hand screwing a cap onto the base of one leg. A small inset at the top left shows a circular arrow and a small figure, possibly indicating a rotation or a reference point.

E



Safety instructions

Please read these instructions carefully and keep for future reference!

This fully automatic espresso machine is designed for preparation of small amounts of coffee for domestic use or for use in non-commercial, household-like environments, such as staff kitchens in shops, offices, agricultural and other small businesses or for use by guests at bed-and-breakfast establishments, small hotels and similar residential facilities.

Risk of electric shock!

Connect and operate the appliance only in accordance with the specifications on the rating label.

Do not use if either the power cord or the appliance is damaged.

Use indoors at room temperature only.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Keep children away from the appliance.

Children should be supervised to ensure that they do not play with the appliance.

In the event of malfunction, unplug the appliance immediately.

To avoid potential hazards, repairs such as replacing a damaged cord should only be performed by our service personnel.

Never immerse the appliance or power cord in water.

Do not reach into the grinding unit.









Use the appliance only in frost-free rooms.

Risk of scalding!

The nozzle for hot water and steam **8** gets very hot. Hold the nozzle **8** by the plastic part only, not by the metal parts. When steam or hot water is released, the nozzle **8** may initially sputter.

Overview

Figures A-E

- 1 Power switch (on/off) **auto off**
- 2 Coffee strength button 
- 3 Coffee dispensing button 
- 4 Coffee dispensing button 
- 5 Steam generation button 
- 6 Hot water/steam dial 
- 7 LED display
 - a Add water 
 - b Empty tray 
 - c Run service programme **S**
 - d Turn dial 
- 8 Nozzle (for hot water/steam)
 - a Plastic mounting
 - b Sleeve
 - c Nozzle tip
- 9 Height-adjustable coffee outlet
- 10 Lid for water tank
- 11 Removable water tank
- 12 Bean container with aroma cover
- 13 Cleaning tablet duct
- 14 Cup shelf (warming function)
- 15 Sliding switch for adjusting grind
- 16 Grate
- 17 Coffee grounds tray
- 18 Residual water tray
- 19 Float
- 20 Cord storage compartment
- 21 Doors to brewing unit
- 22 Brewing unit
 - a Button (red)
 - b Handle

Before using for the first time

General

Fill the water tank with fresh, uncarbonated water only, and if possible, use only beans for fully automatic coffee and espresso machines. Do not use coffee beans that have been glazed, caramelized or treated with other additives containing sugar, since they will block the grinding unit.





This appliance can be adjusted for use with different water hardness values (see "Setting the water hardness").

Switching on the appliance

- Place the appliance on a flat, water-resistant surface.
- Pull enough of the power cord out of the storage compartment and plug it into the electrical socket.
- Remove and rinse the water tank **11** and fill it with fresh cold water. Do not fill above the "max" mark.
- Replace the water tank **11** and push it firmly down into place.
- Fill the bean container with coffee beans.
- Make sure that the hot water/steam dial **6** is at "O".
- Press the power switch **1** **auto off** to switch on the appliance.

Filling the system

When switched on for the first time, the water pipes in the appliance must be filled.



- Place a cup under the nozzle **8**.
- Turn the dial **6** to . Water runs into the cup.
As soon as  flashes, turn the rotary knob **6** to "O".
- The coffee dispensing buttons **3**  and **4**  now flash, the appliance rinses automatically and heats up.

The appliance is **ready for use** as soon as both LEDs light up.

Controls

1 Power switch auto off

The **auto off** power switch can be used to turn the power supply on or off.

After switching on the power supply, the appliance heats up, rinses and is then ready for use. The dispensing buttons **3**  and **4**  both light up.


The appliance does not rinse if it is still warm when switched on.

If the appliance is not manually switched off, it will switch off automatically after approx. 10 minutes after the last dispensing operation and then rinse. The pre-set switch-off time can be changed (see section "Automatic Switch-Off auto off").


The appliance will not rinse if:

- there was no coffee drawn after switching on the machine.
- steam was drawn shortly before switching off the machine.
- only hot water or steam were drawn.

2 Coffee strength button

By pressing the button , the coffee strength can be set:


 LED does not light = Normal setting

 LED lights = Strong setting

 LED flashing = Bean container empty

3 Dispensing button Small coffee


With this button, a small cup (approx. 40ml) of coffee can be dispensed.

- Press the button **3** . The LED will start to flash. The coffee is ground, brewed and poured into the cup. Both LEDs light up as soon as the process is finished.

The beverage size can be changed (see section "Changing volume dispensed").


4 Dispensing button Large coffee

With this button, a large cup (approx. 125ml) of coffee can be dispensed.




- Press the button 4 . The LED will start to flash. The coffee is ground, brewed and poured into the cup. Both LEDs light up as soon as the process is finished.

The beverage size can be changed (see section “Changing volume dispensed”)

5 Steam generation button


The steam button  generates steam for foaming or warming.


6 Steam dispensing dial


Hot water or steam can be dispensed by turning the dial to  or . To dispense steam, the steam generation button  must be pressed first (see “Steam for foaming milk”).

7 LED display

The various LEDs indicate the following:

 on The water tank is empty and needs to be filled


 on Trays full:
Empty and replace them

 flashing Trays missing:
Reinsert them

S on Run the service programme
(see “Service programme”)

S flashing Service programme in
operation

 on Turn dial to / 

 flashing Turn dial to “O”

Settings and displays











Setting the water hardness

It is important that the water hardness be set correctly, so that the appliance indicates accurately when the descaling programme should be run. The factory setting is a water hardness of 4.

You can check the water hardness by asking your local water supplier.

Degree	Water hardness	
	German (°dH)	French (°fH)
1	1-7	1-13
2	8-15	14-27
3	16-23	28-42
4	24-30	43-54

The appliance must be ready for use.

- Hold down the steam button  for at least 5 seconds. The number of LEDs **7a** , **b** , **c** , **d**  that light up indicates the selected water hardness.
- Press the steam button  repeatedly until the correct number of LEDs is lit; e.g. for a hardness of 3, the LEDs **7a**, **b** and **c** (, , , **S**) light up.
- Press the button **2**  once. The selected number of LEDs should light up briefly; this indicates that the desired setting has been saved successfully.

If a water filter (optional extra Order No. 461732) is used, the water hardness should be set to 1.

Note: If no button is pressed within 90 seconds, the appliance switches to stand-by mode without saving the new settings. In this case, the previous water hardness setting is retained.

The appliance must be rinsed when a filter is first used and after changing the filter.

- Fill the tank with water up to the “0,5l” mark.

- Place a suitable container (approx. "0,5l") under the nozzle **8**.
- Set the dial **6** to / / .
- When water stops coming out of the nozzle **8**, set the dial back to "O".
- Fill the water tank and the water pipes (see "Switching on the appliance / Filling the system").

Adjusting the grinding unit

Sliding switch **15** adjusts the degree of grinding, from coarse to fine.

Warning

Adjust the grinding unit only while it is running! Otherwise the appliance may be damaged.

- Press dispensing button **4** .
- While the grinding unit is running, move the sliding switch **15** to the desired position: the smaller the dots, the finer the grind.

The new setting will not become apparent until the second or third cup is brewed.

Tip: For dark roast coffee beans, choose a coarser grind; for light roast beans, select a finer grind.

Automatic switch-off auto off

The pre-set automatic switch-off time of approx. 10 minutes can be changed.

- To do this, press and hold the dispensing button **3** and the button **5** at the same time for at least 5 seconds. The LEDs that light up, **7a**, **b**, **c** and **d** (, , , , , , , , represent the switch-off time set. By pressing the button **5** , the switch-off time can be selected:
LED **7a** () lights up
= Appliance switches off after approx. 10 minutes.
LED **7a** and **7b** (,) light up
= Appliance switches off after approx. 30 minutes.
LED **7a**, **7b** and **7c** (, , ,) light up
= Appliance switches off after approx. 1 hour.

LED **7a**, **7b**, **7c** and **7d** (, , , , ,) light up

= Appliance switches off after approx. 4 hours.

Pressing button **2** + saves the selection.

Setting the temperature

This fully automatic coffee machine allows the user to change the temperature of the coffee.

- To do this, press and hold the dispensing buttons **3** and **4** at the same time for at least 5 seconds. The LEDs that light up, **7a**, **b** and **c** (, , , , represent the temperature set. By pressing the button **5** , the temperature can now be selected:
LED **7a** () lights up
= Low temperature.
LED **7a** and **7b** (,) light up
= Medium temperature.
LED **7a**, **7b** and **7c** (, , ,) light up
= High temperature.

Pressing button **2** + saves the selection.

Float

The float **19** in the water tray **18** shows when the tray needs emptying.

- If the float **19** is clearly visible, empty the water tray **18**.

Using coffee beans

This fully automatic espresso/coffee machine grinds beans freshly for each brew. If possible, use only beans for fully automatic coffee and espresso machines. Deep-freeze or store in a cool place in sealed, airtight containers. Coffee beans can be ground while frozen.

Important: Fill the water tank with fresh water every day. The tank must always contain sufficient water for operating the appliance. Do not allow it to become empty.

Tip: Pre-warm cups, especially small, thick espresso cups, by placing on the cup shelf **14** or rinsing with hot water.

The appliance must be ready for use.

- Place the prewarmed cup(s) under the coffee outlet **9**.
 - Depending on the amount of coffee required, press either dispensing button **3** ☐ or **4** ☐. The coffee is brewed and then dispensed into the cup(s).
 - The appliance automatically stops dispensing the coffee as soon as the set quantity has been reached.
- i** The brewing process can be terminated at any time by pressing the coffee dispensing button **3** ☐ or **4** ☐.

Extra coffee

It is possible to dispense the same amount of coffee a second time.

- Press the dispensing button **3** ☐ or **4** ☐ once again within 3 seconds of brewing.

Note: The second cup is brewed using the previously ground coffee.

Changing volume dispensed

The pre-set quantities for dispensing button **3** ☐ (approx. 40ml) and dispensing button **4** ☐ (approx. 125 ml) can be changed.

- Press and hold the coffee dispensing button **3** ☐ or **4** ☐ until the desired volume of coffee has been delivered (range approx. 30 – 220 ml).

i The quantity can be changed again at any time. By pressing “Reset”, the factory settings are restored.

Reset: The appliance must be ready for use.

- Pull out trays **17** and **18**. Press and hold dispensing buttons **3** ☐ and **4** ☐ at the same time for at least 5 seconds.
- The LEDs **7a, b, c** and **d** (☐, ☐, S, ☐) flash briefly as confirmation.
- Reinsert trays **17** and **18**.

The standard factory settings have now been reactivated.

Preparing hot water

The appliance must be ready for use. This function allows water to be heated for a cup of tea, for example.

Risk of burns

The nozzle gets very hot. Do not touch the metal parts.

- Place an appropriate cup under the nozzle **8**.
- Push the sleeve on the nozzle **8** all the way **down**.
- Turn the dial **6** to ☐/☐/☐.

Risk of scalding

When the dial is set to ☐/☐/☐, the nozzle may sputter a little. Do not touch the nozzle **8** or point it at anyone.


- End the process by turning the dial **6** back to “O”.


Steam for foaming milk



The appliance must be ready for use. You can foam the milk first and add the coffee on top, or foam the milk separately and pour it into the coffee.

Risk of burns


The nozzle gets very hot. Do not touch the metal parts.

- Push the sleeve on the nozzle **8** all the way down.
- Fill the cup approximately 1/3 full of milk.
- Press the steam button . The LED will start to flash.



 The appliance will heat up for approx. 20 seconds.

- Immerse the nozzle **8** deep into the milk, but do not let it touch the bottom of the cup.
- As soon as the LED  lights up, turn the rotary button **6** to .

Risk of scalding

When the dial **6** is set to , the nozzle **8** may sputter. Escaping steam is very hot and may cause liquids to sputter. Do not touch the nozzle **8** or point it at anyone.

- Rotate the cup slowly until the milk is fully foamed.
- End the process by turning the dial **6** back to "O".

 To foam more milk, press the steam button  again and repeat the whole process.

Note: When the nozzle **8** has cooled down, clean immediately. Dried residue is difficult to remove.


Tip: If possible, use cold low-fat (1,5 % fat) milk.


Steam for heating drinks



Risk of burns

The nozzle gets very hot. Do not touch the metal parts.


The appliance must be ready for use.

- Push the sleeve on the nozzle **8** all the way up.
- Press the steam button . The LED will start to flash.



 The appliance will now heat up for approx. 20 seconds.

- Immerse the nozzle **8** deep into the liquid you want to heat.
- As soon as the LED  lights up, turn the rotary button **6** to .

Risk of scalding

When the dial **6** is set to , the nozzle **8** may sputter a little. Escaping steam is very hot and may cause liquid to sputter. Do not touch the nozzle **8** or point it at anyone.

- End the process by turning the dial **6** back to "O".

 To generate more steam, press the steam button  again and repeat the whole process.

Note: When the nozzle **8** has cooled down, clean immediately. Dried residue is difficult to remove.

Maintenance and daily cleaning

Risk of electric shock!

Unplug the appliance before cleaning it.
Never immerse the appliance in water.
Do not use a steam cleaner.

- Wipe the outside of the appliance with a damp cloth. Do not use scouring agents.
- Always remove any limescale, coffee, milk or descaling fluid residue immediately. Such residue can cause corrosion.
- Wash all removable parts by hand only.
- Rinse out the water tank **11** with water only.
- Remove, empty and clean the trays for coffee grounds **17** and residual water **18**.
- Wipe out the inside of the appliance (tray holders).
- Open the door to the brewing unit **21** and remove any coffee residues. Close the door.

Note: If the appliance is cold when switched on, or if it is switched off after dispensing coffee, it rinses automatically; in other words the system cleans itself.

Nozzle 8 for hot water/steam

- Unscrew the nozzle **8** from the steam pipe.
- Dismantle all parts (Fig. **D**).
- Clean with a caustic cleaning solution and a soft brush. Clean the tip of the nozzle **8c** with a blunt needle.
- Thoroughly rinse and dry all parts.

Brewing unit

The brewing unit can be removed for cleaning (Fig. **E**).

- Switch off the appliance using the power switch **1 auto off**.
- Open the door **21** to the brewing unit **22**.
- Hold the red button **22a** down and push the handle **22b** up until you hear it engage.

- Grasp the brewing unit **22** by the handle, remove carefully, and rinse under running water. Do not use cleaning agents. Do not place in the dishwasher.
- Vacuum the inside of the appliance, or clean it with a damp cloth.
- Reinsert the brewing unit **22** all the way into the appliance.
- Hold the red button **22a** down and push the handle **22b** down as far as it goes, until you hear it engage. The brewing unit is now secure.
- Close the door of the brewing unit.

Service programme: Combined cleaning and descaling process

If the **S LED** lights up while the appliance is on, the service programme must be run immediately to clean and descale the appliance. If the service programme is not run as instructed, the appliance may be damaged.

Specially developed descaling (Order No. 310967) and cleaning agents (Order No. 310575) can be obtained from our customer service department.


Warning

Each time you run the service programme, follow the instructions for using the cleaning and descaling agents.

Never interrupt the service programme!
Do not drink the liquids!

Never use vinegar or vinegar-based products!



Never put descaling tablets or other descaling materials into the duct for cleaning tablets!

 The **S LED** flashes while the service programme is running (approx. 40 minutes).

Important: If there is a filter in the water tank, it must be removed before the service programme is run.

Starting the service programme


The appliance must be ready for use.

- Empty and replace the trays **17** and **18**.
- Press and hold the buttons **4**  and **5**  for at least 5 seconds.


The **S** LED starts to flash and the appliance rinses the coffee dispenser through **twice**.

- Empty and reinsert the grounds tray **17**.

The LEDs for button  and  “Add water” light up.

- Place one cleaning tablet in the duct **13**.
- Fill the water tank with lukewarm water, add descaling agent and dissolve completely (total liquid 0,5 litres)
or
pour prepared descaling mixture into the water tank (total liquid 0,5 litres).
- Press the steam button . The descaling process begins. Duration approx. 10 minutes. The descaling solution flows into the water tray **18**.


The  LED lights up.

- Place a suitable container (approx. 0,5 litres) under the nozzle **8**.
- Set the dial **6** to . The descaling process begins. Duration approx. 5 minutes. The descaling solution flows into the container.

The  LED lights up.

- Empty and reinsert the grounds tray **17**.

The steam button LED  lights up.



- Empty and clean the water tank **11**, fill with fresh water up to the “max” mark and reinsert.
- Place a suitable container (approx. 0,5 litres) under the nozzle **8**.
- Press the steam button . The cleaning process begins. Water flows into the container.

The  LED flashes.

- Turn the dial **6** to “**O**”. The cleaning process begins. Duration approx. 10 minutes. Liquid flows into the coffee grounds tray **17** inside the appliance, then out through the coffee outlet.

The  LED lights up.


- Empty, clean and reinsert the trays **17** and **18**.

The appliance starts to heat up and is ready for use once the LEDs for dispensing buttons **3**  and **4**  light up.


Important: If the service programme is interrupted, e.g. due to a power cut, **it is vital** that the appliance be rinsed before it is used again.

The appliance must be ready for use.

The  and steam button  LEDs flash.

- Rinse the water tank **11** thoroughly and fill with fresh water.
- Press the steam button . The appliance is rinsed and liquid flows into the tray.

The  LED lights up.

- Hold a cup under the nozzle **8** and turn the dial **6** to . Water runs into the cup.




The  LED flashes.

- Turn the dial **6** back to “**O**”.
- The appliance rinses and is ready for use again.

Anti-freeze

In order to avoid damage through cold during transportation and storage, the appliance must be emptied completely first.

The appliance must be ready for use.

- Remove, empty, and replace water tank.
- Place a large, narrow container under nozzle 8.
- Press  button.
- As soon as the LED  lights up, turn the rotary button 6 to .

The appliance will release steam for a while.

- When nozzle 8 stops releasing steam, turn dial back to “O”.
- Turn off the appliance.

Disposal


This appliance is labelled in accordance with the European Directive 2002/96/EG relating to waste electrical and electronic equipment – WEEE. The directive provides the framework for the EU-wide take-back and disposal of end-of-life appliances. Please ask your specialist retailer about current disposal facilities.

Guarantee

The guarantee conditions for this appliance are as defined by our representative in the country in which it is sold. Details regarding these conditions can be obtained from the dealer from whom the appliance was purchased. The bill of sale or receipt must be produced when making any claim under the terms of this guarantee.

Right of modification reserved.

Troubleshooting

Problem	Possible cause	Solution
No hot water or steam discharge.	Nozzle 8 is blocked.	Clean nozzle 8 .
Foam insufficient or too runny.	Sleeve b on nozzle 8 not in correct position.	Push down sleeve b on nozzle 8 .
	Milk not suitable for foaming.	Use cold low-fat (1,5 % fat) milk.
Coffee dispensing slows to a trickle.	Coffee is ground too fine.	Adjust the grinding unit to a coarser setting.
Coffee not dispensed.	Water tank not filled or not correctly positioned.	Fill water tank and make sure it is in the right position. If necessary, fill water pipes (see “Switching on the appliance”).
Coffee has no “crema” (creamy foam).	Unsuitable type of coffee. Beans no longer fresh.	Change type of coffee used. Use fresh beans.
	Degree of grinding inappropriate for beans.	Optimize degree of grinding.
Grinding unit does not grind the beans.	Beans are not falling into the grinding unit (beans too oily).	Gently tap the bean container.
Grinding unit makes a loud noise.	Foreign objects in the grinding unit (e.g. grit, which can be found even in superior types of coffee).	Call the hotline.
LED S and button  flash alternately.	The brewing unit 22 is missing, or is not properly inserted or secured.	Insert and secure the brewing unit 22 .
If you are unable to solve the problem, please call the hotline. You will find the telephone numbers at the back of these instructions.		