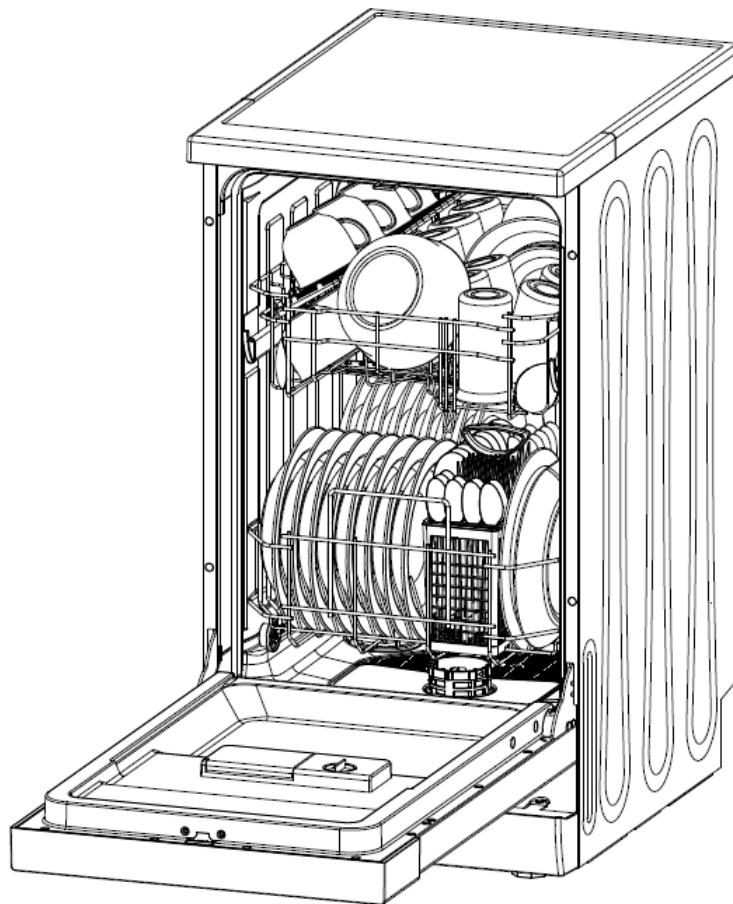


BOMANN®

HOUSEHOLD- DISHWASHER GSP 852



Instruction Manual

CE

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Introduction

Thank you for choosing our product. We hope you will enjoy using the appliance.

Symbols in these Instructions for Use

Important information for your safety is specially marked. It is essential to comply with these instructions in order to avoid accidents and prevent damage to the machine:

WARNING:

This warns you of dangers to your health and indicates possible injury risks.

CAUTION:

This refers to possible hazards to the machine or other objects.

 **NOTE:** This highlights tips and information.

General Notes

Read the operating instructions carefully before putting the appliance into operation and keep the instructions including the warranty and the receipt. If you give this device to other people, please also pass on the operating instructions.

 **NOTE:** The illustrations in this instruction manual can deviate from the original appliance.

- The appliance is designed exclusively for private use and for the envisaged purpose. This appliance is not fit for commercial use.
- The appliance is only to be used as described in the user manual. Do not use the appliance for any other purpose. Any other use is not intended and can result in damages or personal injuries.
- Do not use it outdoors. Keep it away from sources of heat, direct sunlight and humidity.
- Do not operate the appliance **without** supervision.
- When not in use, for cleaning, user maintenance works or with disruption, switch off the appliance and disconnect the plug (pull the plug itself, not the lead) or turn off the fuse.
- The appliance and if possible the mains lead have to be checked regularly for signs of damage. If damage is found the appliance must not be used.
- For safety reasons, alterations or modifications of the appliance are prohibited.
- In order to ensure your children's safety, keep all packaging (plastic bags, boxes, polystyrene etc.) out of their reach.

WARNING:

Do not allow small children to play with the foil. There is a **danger of suffocation!**

Special safety Information for this Unit

- The maximum number of place settings to be rinsed is 9.
- This unit is intended to be used in household and similar applications such as
 - staff kitchen areas in shops, offices and other working environments;
 - by clients in hotels, motels and other residential type environments;
 - in farm houses.
- The appliance is to be connected to the water mains using new hose sets and that old hose-sets should not be reused.
- The maximum permissible inlet water pressure is 1 Mpa.
- The minimum permissible inlet water pressure is 0.04 Mpa.
- In the appliance bottom are located ventilation openings (depending on model). These may not be clogged e.g. by carpet.
- Open the door carefully during operation, there is a risk of water squirting out.
- Pay attention to a proper loading of the appliance. Follow the instructions in the chapter “Loading the Dishwasher Baskets”.
- Knives and other utensils with sharp points must be loaded with their points down in the cutlery basket or placed in a horizontal position in the dishwasher basket.
- The door should not be left open, since this could increase the risk of tripping.
- This appliance can be used by **children** aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning **use of the appliance** in a safe way and understand the hazards involved.
- **Children** who are younger than 8 years must be kept away from the device.
- **Children** shall not play with the appliance.
- Cleaning and **user maintenance** shall not be made by **children**, unless they are older than 8 years and are supervised.
- Do not try to repair the appliance on your own. Always contact an authorized technician. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Unpacking the Appliance

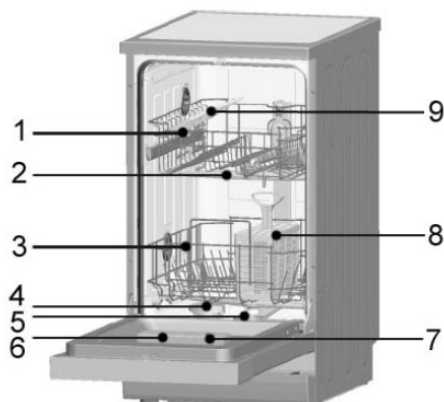
- Remove the appliance from its packaging.
- Remove all packaging material, such as foils, filler and cardboard packaging.
- To prevent hazards, check the appliance for any transport damage.
- In case of damage, do not put the appliance into operation. Contact your distributor.

i NOTE:

Production residue or dust may have collected on the appliance. We recommend cleaning the appliance according to chapter "Cleaning and Maintenance".

Appliance Equipment

Appliance overview



1	Upper basket
2	Spray arms
3	Lower basket
4	Salt container (water softener)
5	Filter system
6	Detergent dispenser
7	Rinse aid dispenser
8	Cutlery basket
9	Cup shelves

Delivery scope

cutlery basket, cup shelf (4 pcs), funnel tube, drain hose suspension, inlet hose

Installation

⚠ WARNING:

The unit must not be connected to the mains during installing. Otherwise there is **danger to life** or **electric shock hazard**!

⚠ CAUTION:

For a correct operation the appliance must be connected properly. The specifications for water supply and drain as well as the electrical connection must fulfill the required criteria.

Installation location

- The site should be located near the water inlet and outlet, as well as near a properly grounded power socket.
- Place the appliance so that all controls are easily to reach and the appliance door can open without being impeded.

- Take care of a solid and horizontal position of the appliance. If the appliance is not horizontally leveled, adjust the feet accordingly.
- Power cable and water hoses may not kinked or squashed.
- **Avoid the installation:**
 - near heaters, next to a stove, direct sunlight or any other heat sources;
 - at locations with high humidity (e.g. outdoors), as metal parts would be susceptible to corrosion under such circumstances;
 - in rooms where the temperature could drop below freezing. Do not expose the appliance any weather.
 - near volatile or flammable materials (e.g. gas, fuel, alcohol, paint, etc.).

Water connection

CAUTION:

- The Installation of the water supply must conform to the local laws and regulations.
- The appliance is not suitable for hot water supply.
- Use the new supplied hose set to connect the appliance to the water supply. Do not reuse old or used connection sets.
- If the water pipe is new or long time not used, ensure before connecting to the water system, that the water is clear and free from contamination.

Notes on inlet hose safety system (not included in delivery)

The safety system consists of a double-walled inlet hose. This system guarantees to cut off the water supply when leakage of the inner hose. Switching off the water supply leads over an electronic contact.

If necessary, you can order an inlet hose safety system from your dealer or in our online accessories shop, www.bomann.de. To order, use the reference number found under "Technical Data".

Connect the water inlet hose (cold water connection)

NOTE:

The water pressure must be between 0.04 and 1 MPa. With higher pressure: use a pressure regulator.



- Connect the water inlet hose to a water thread with $\frac{3}{4}$ ". Screw the hose firmly in the direction of the screw thread; pay attention for a tight fit.
- Connect the other end of the inlet hose to the inlet valve on the appliance back; pay attention for a tight fit too.

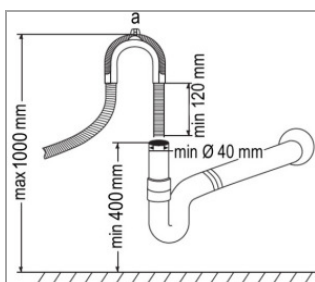
Connect the water drain hose

NOTE:

The drain hose has a length of approx. 1.5 m and can extend with a suitable hose and connecting piece to a length of max. 4 m.

CAUTION:

In order to prevent backflow of contaminated water, the free end of the hose must not come under the water level of the drain.



- Connect the drain hose to a drain pipe with a minimum diameter of 40 mm; alternatively the drain hose can be fixed to a sink or directly to the drainage.
- Always make sure that the hose is not bent or squeezed. Use the supplied drain hose suspension (a).
- The hose must be installed at a height of min. 400 mm and max. 1000 mm above the rinsing floor.
- Secure the drain hose suspension (a) securely to avoid a change in position and with it a water leakage.

Electrical connection

WARNING:

- The installation to the mains supply must conform to the local standards and regulations.
- Improper connection may cause to an **electric shock!**
- Do not use multiple sockets or extension cords.
- It is not allowed to modify the plug provided with the appliance. If the plug does not fit properly to the outlet, let install a proper outlet by an authorized specialist.
- The accessibility of the power plug must always be ensured in order to disconnect the device from the power supply in case of an emergency.
- Ensure that your mains power corresponds with the specifications of the appliance. The specifications are printed on the rating label.
- Connect the mains cable to a properly installed and earthed wall outlet.
- If the plug after installation is not accessible, a corresponding disconnect device must be available to meet the relevant safety regulations.

Prior Using for the first Time

Before using your dishwasher for the first time:

- A. Filling salt into the salt container (water softener)
- B. Fill the rinse aid dispenser
- C. Fill in detergent

CAUTION:

- Use only salt, rinse aid and detergent for dishwashers. Other products may damage the appliance.
- Always consider the dosage and storage recommendations on the sales packaging.

WARNING:

Keep salt, rinse aid and detergent out of reach for children.

A. Filling salt into the salt container (water softener)

Water softener

The water hardness varies regionally. If hard water is used in the dishwasher, deposits form on the dishes and kitchen utensils. The appliance is equipped with a water softener, that removes lime and minerals from the water by using water softening in the salt container. Your local water authority can advise you on the hardness of the water in your area.

Adjusting the salt consumption

The salt consumption can be adjusted according to your water hardness and therefore optimally regulated.

- Switch on the appliance using the power button [EIN/AUS].
- Simultaneously press the preset [VORWAHL] and program selection [PROGRAMM] button for about 5 seconds. An alarm sounds and the display will show the factory setting.
- By repeatedly pressing the preset [VORWAHL] button, the water hardness can be changed accordingly. The display shows the setting: H0->H1->H2->H3->H4->H5->H6->H7
- Finish the setup via the program selection [PROGRAMM] button, your setting is automatically saved.

The following settings are recommended:

Water hardness			Display indication
°dH*	°Clark*	Range	
0-6	0-8	soft	H0
7-8	9-10	soft	H1
9-10	11-12	medium	H2
10-12	13-15	medium	H3

Water hardness			Display indication
°dH*	°Clark*	Range	
13-16	16-20	medium	H4 (factory setting)
17-21	21-26	hard	H5
22-31	27-38	hard	H6
31-50	39-62	hard	H7

NOTE: *°dH: German degree / °Clark: British degree (rounded guide values)

Fill in the salt

⚠ CAUTION:

- The salt container must only be refilled when the salt warning lamp in the control panel lights up.
- During filling the salt container, salt and water can escape. Start a program immediately after you have filled the container to prevent corrosion.



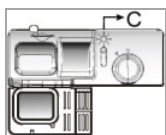
- Remove the lower basket and unscrew the lid of the salt container.
- Add about 1.2 kg of salt by using the supplied funnel tube.
- Full fill the salt container with water (just before the first use).
- Screw the lid firmly on again after filling the container.
- Depending on salt dissolution, the salt warning lamp usually goes off immediately after filling the container.

B. Fill the rinse aid dispenser

Function of rinse aid

The rinse aid is automatically added during the final rinse, ensuring thorough rinsing and a spot and streak free drying.

When to refill the rinse aid dispenser



As long as the rinse aid warning lamp does not light up on the control panel, you can estimate the amount of remaining rinse aid to the optical level indicator "C" next to the dispenser.

When the rinse aid dispenser is full, the indicator is completely dark. If the rinse aid diminishes, the size of the black dot changes as shown below. In order to avoid spotting, the rinse aid level must not drop below $\frac{1}{4}$.



full



$\frac{3}{4}$ full



$\frac{1}{2}$ full



$\frac{1}{4}$ full – refill



empty

Fill in the rinse aid



- To open the dispenser screw the lid counterclockwise to the open position (left arrow) and remove the lid.
- Add the rinse aid into the dispenser, being careful not to overfill.

The dispenser contains approx. 140 ml.

- Before closing the appliance door, put on the lid in the open position back and turn it clockwise to the closed position (right arrow).

i NOTE:

Remove spilled rinse aid with an absorbent cloth to avoid excessive foaming during the next rinse.

Adjusting the rinse aid dosage

When forming spots and the dishes dry poorly, increase the added amount of rinse aid. You can set the amount of addition between level 1 (min.) and level 6 (max.).



Take off the lid of the rinse aid dispenser and adjust the dial to the desired level. The factory setting is "5".

i NOTE:

Increase the dosage if there are drops of water or lime spots on the dishes after rinsing. Reduce the dosage if there are sticky whitish stains on dishes or a bluish film on glassware or knife blades.

C. Fill in detergent

Function of detergent

Detergents with its chemical ingredients are necessary to remove dirt, crush dirt and transport it out of the dishwasher. The most commercially, high-quality cleaning agents are suitable for this purpose.

Detergent

Normally new pulverized detergent is without phosphate. Thus the water softener function of phosphate is not given. In this case we recommend to fill salt in the salt container even when the hardness of water is only 6°dH. If detergents without phosphate are used in the case of hard water often white spots appear on dishes and glasses. In this case add more detergent to reach better results. Detergents without chlorine do only bleach a little. Strong and colored spot will not be removed completely. In this case choose a program with a higher temperature.

Detergent tablets (Tabs)

Dishwasher tablets from different manufacturers dissolve at different rates. It is possible that they will not fully dissolve in programs with short running time and low water temperature and thus does not reach their full productive efficiency. To ensure the complete removal of detergent residues, we recommend to choose rinse programs with long running times and high water temperature. Always follow the manufacturer's instructions!

Using 3in1(Multi)-Tabs

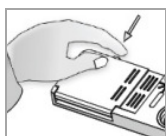
i NOTE:

- Your appliance has a tab-function, with it no extra addition of salt and rinse aid is required; a 3in1(Multi)-tab is used instead.
- Always follow the manufacturer's instructions on the packaging.
- Initially check the water hardness for which the Tabs are useful and if necessary, change the water hardness, see "Adjusting the salt consumption".
- Select a suitable rinse program according to the "Rinse cycle table" and switch added the 3in1-function.

Fill in the detergent

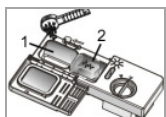
i NOTE:

- Always add the detergent just before starting the rinse cycle, otherwise it could get damp and will not dissolve properly.
- You'll find information about the amount of detergent for the respective programs in the „Rinse cycle table“. Note that depending on the degree of soiling and water hardness differences are possible.
- At the end of the rinse cycle the detergent dispenser must be empty.



The dispenser must be refilled before the start of each rinse cycle according to the instructions in the "Rinse cycle table".

Press the release button to open the dispenser.



1 Chamber of detergent in powder form for the main rinse

2 Chamber of detergent for the pre-rinse / Chamber for detergent in tablet form

The main rinse chamber must be filled at least up to the marking MIN (about 20 g). Add with heavily soiled dishes an additional dose of detergent (about 5 g) in the chamber for the pre-rinse. Close the dispenser. Make sure that the lid locks into place.

Loading the Dishwasher Baskets

△ CAUTION:

Only rinse such dishes and cutlery in the dishwasher, which is expressly marked as "dishwasher resistant".

i NOTE:

- Remove gross scraps of food and soak burnt leftovers. Pre-rinse under running water is not necessary.
- Do not overload! This is important for adequate cleaning results and reasonable energy consumption.
- Very small items should not be rinsed in the appliance, as they could easily fall out of the baskets.

For rinsing in the dishwasher the following cutlery and dishes..

..are not suitable:

- Cutlery with hand pieces of wood, porcelain mother of pearl
- Plastic items that are not heat resistant
- Older cutlery with glued parts that are not temperature resistant
- Bonded cutlery items or dishes
- Pewter or cooper items
- Crystal glass
- Steel items subject to rusting
- Wooden platters
- Items made from synthetic fibres

..are limited suitable:

- some types of glasses can become dull after a large number of washes
- silver and aluminum parts have a tendency to discolor during washing
- Glazed patterns may fade if machine washed frequently

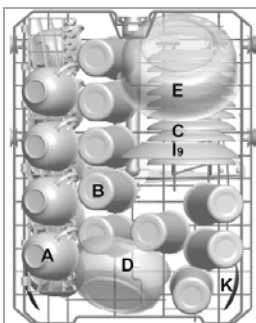
Recommendations for loading

- Arrange sensitive, light tableware items such as glasses, coffee and tea cups in the upper basket.
- Place large items that are most difficult to clean in the lower basket.
- Make sure that the tableware is placed securely and cannot tip over.
- Place all items so, that the spray arms can rotate freely during rinsing.
- Arrange all items with openings facing down.
- Curved items, or ones with recesses, should be loaded aslant so that water can drain off.
- Make sure that glasses do not touch each other.
- Set the dishes and cutlery not into each other or covering each other.
- Arrange cutlery in the cutlery rack.
- Store long as well as sharp cutlery items horizontally in the dishwasher basket.

Methods for loading normal dishware

Loading the upper basket

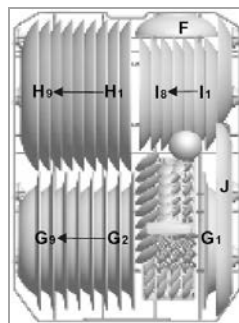
On the upper basket only small and medium items should be loaded. Load e.g. glasses, cups, saucers and small bowls.



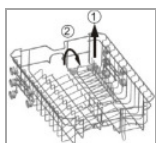
A	Cups
B	Glasses
C	Saucers
D	Bowl
E	Bowl
I	Dessert dishes
K	Serving spoon

Loading the lower basket

The basket is suitable because of the particularly intense cleaning action of the lower spray arm for heavily soiled dishes. Load e.g. pots and plates.

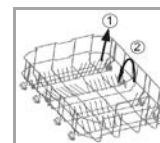


F	Bowl
G	Soup plates
H	Dinner plates
I	Dessert dishes
J	Platter

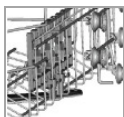
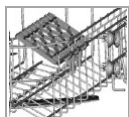


Cup and plate holders

In order to create a better arrangement for bulky dishes, the cup and the plate holders can be folded. Lift the racks slightly and fold them down.



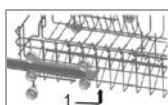
Cup shelves in the upper basket



If necessary, fold the cup shelves downwards or remove them.

Adjusting the upper basket

The height of the upper basket can be adjusted by placing the wheels on rails of different heights. This will create more space for large items in the upper as well as in the lower basket.



- Pull out the basket guides.
- Remove the basket out of the guides.
- Depending on the desired setting, insert the upper or lower pair of wheels into the guide; the left and right side should always be located at the same height.

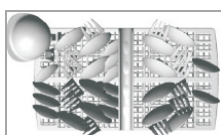
Cutlery basket

⚠ WARNING: Risk of injury!

- Cutlery must not protrude above the cutlery basket base.
- Knives and other utensils with sharp points must be placed with the tip down in the cutlery basket or in a horizontal position in the dishwasher basket.

i NOTE:

If necessary, remove the basket in order to create more space for large dishware.



The basket is equipped with grid inserts in which the cutlery is arranged uniformly and with the handles downwards.

Starting a Rinse Program

Rinse cycle table

Select a suitable program depending on dishes and degree of soiling.

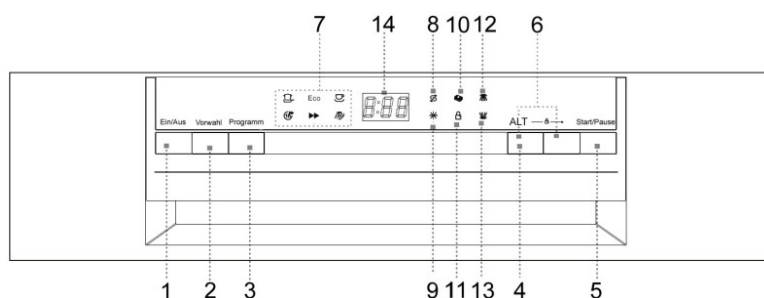
Program	Program information	Program sequence	Detergent pre/main (g)	Running time (Min.)	Energy (kWh)	Water (L)
 Intensive	heavily soiled dishes and dried leftovers	Pre-rinse Main rinse (60°C) Rinse 1 Rinse 2 Hot rinse Drying	5/22 (or 3in1 Tab)	186	1.30	13

Program	Program information	Program sequence	Detergent pre/main (g)	Running time (Min.)	Energy (kWh)	Water (L)
ECO (*EN 50242)	standard program for normal soiled dishes, daily use	Pre-rinse Main rinse (46°C) Rinse Hot rinse Drying	5/22 (or 3in1 Tab)	176	0.70	8
 Light	For delicate items, sensitive to high temperatures with low adhesive, fresh leftovers	Pre-rinse Main rinse (45°C) Rinse Hot rinse Drying	5/20 (or 3in1 Tab)	144	0.68	10.5
 60 Min.	for lightly and normal soiled dishes	Pre-rinse Main rinse (60°C) Hot rinse Drying	5/20	60	0.80	8.5
 Rapid	rapid rinse cycle for lightly soiled dishes without drying	Main rinse (45°C) Hot rinse	20	40	0.53	5.5
 Pre-rinse (Soak)	dishes that shall be rinsed later that day	Pre-rinse	-	12	0.01	3.3

NOTE:

- When using 3in1(Multi)-Tabs switch added the 3in1-function to the selected rinse program. Note the information that we give you under "Using 3in1(Multi)-Tabs".
- *EN 50242: this program is the test program and of combined energy and water consumption most efficient. The information for comparability:
Capacity: 9 settings; Position of the upper basket: lower position; Rinse aid setting: 5

Control panel



- 1 [EIN/AUS] power button to switch on/off the power supply.
- 2 By repeatedly pressing the preset [VORWAHL] button, you can select a start delay of 1 – 24 hours. The display shows the selection. Choose the wanted program and press the [START/PAUSE] button. The operation will start automatically after the selected lead time has elapsed.
- 3 By repeatedly pressing the program selection [PROGRAMM] button, you can select the rinse program.

- 4 [ALT] button to select the additional functions. The control lamps indicate the selection.
 - 3in1-function: When using 3in1(Multi)-Tabs switch added this function.
 - Dual zone rinse function (½ load): Depending on the basket loading (only upper or only lower basket), the function can be activated. Water and energy saving.
- 5 [START/PAUSE] button to start/pause the selected or running rinse program.
 program control lamp is lighting: operation program control lamp is flashing: pause
- 6 To activate and deactivate the childproof lock, press this button combination for a few seconds.
- 7 The program control lamps indicate the selection of the rinse program.
- 8 Warning lamp for salt shortage is lighting once the container needs to be refilled.
- 9 Warning lamp for rinse aid shortage is lighting once the container needs to be refilled.
- 10 The control lamp indicates the activation of the 3in1-function.
- 11 The control lamp indicates the activation of the childproof lock.
- 12 The control lamp indicates the activation of the dual zone rinse function for the upper basket.
- 13 The control lamp indicates the activation of the dual zone rinse function for the lower basket.
- 14 About the Display the salt consumption and the preset time will be selected.
 The start delay (if activated), the remaining time and possibly error codes are displayed.

Starting a rinse program

- The water supply must be opened up to the maximum pressure.
- Load the dishwasher baskets.
- Fill in the detergent.
- Press the power [EIN/AUS] button to switch on the appliance.
- Select the desired rinse cycle.
- Set the available options, if required.
- Press the [START/PAUSE] button and the dishwasher starts.

Program change

CAUTION:

A program change should be done only a short time after starting the program. Otherwise, maybe detergent has been released and already drained rinse water.

- To cancel the running program, the appliance must be switched off and on again by using the power [EIN/AUS] button.
- Select the desired program and press the [START/PAUSE] button to start the new operation.

Forgot to add a dish?

WARNING:

Open the door very carefully during operation, there is a risk of water squirting out.

Dishware can be added any time before the detergent dispenser opens.

- Press the [START/PAUSE] button to stop the operation.

- Once the spray arms stopped working, you can open the door completely.
- Add forgotten dishware and close the appliance door.
- Press the [START/PAUSE] button, after approx. 10 seconds the operation will be continued.

At the end of program

CAUTION:

Allow the appliance to cool down a bit after the program has ended, before you open it. This avoids that steam escapes that causing long-term damages to your furniture.

At the end of the rinse cycle will sound a series of signals; then the unit goes into standby mode.

Switch off

- Switch the appliance off by pressing the power [EIN/AUS] button.
- Close the water supply!
- Remove the dishes after cooling (see "Unloading the dishwasher baskets").
- If the appliance is not in use for an extended period:
 - Disconnect the mains plug or switch off or turn out the fuse and
 - leave the appliance door slightly open until the next rinse cycle to avoid odors.

Unloading the dishwasher baskets

CAUTION:

Let the dishware cool down for about 15 minutes before unloading. Hot dishes are sensitive to knocks.

NOTE:

At the end of program there could be still water drops inside the appliance.

- Open the door and pull out the basket.
- To avoid water dripping from the upper basket onto the dishes in the lower basket, it is advisable to unload the appliance from the bottom up.

Cleaning and Maintenance

WARNING:

- Always switch off the appliance and disconnect the plug or turn off / unscrew the fuse before cleaning and user maintenance.
- Allow the appliance to cool down sufficient before cleaning.
- Do not use steam cleaners for cleaning the appliance; moisture could enter electrical components. **Risk of electric shock!** Hot steam could damage the plastic parts. The appliance must be dry before restarting operation.

CAUTION:

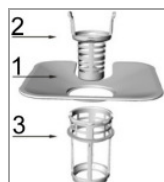
- Do not use a wire brush or other sharp, abrasive items.
- Do not use any acidic or abrasive detergents.

i NOTE:

Dirty filters and clogged spray arms degrade the rinsing. Regularly check the filter and spray arms and clean them if necessary.

Filter system

The three-part filter system prevents larger amounts of food or other objects from getting inside the pump.



1: Main filter: food and soil particles trapped in this filter are pulverized by a special jet on the lower spray arm and washed down to drain.

2: Coarse filter: filters out larger items such as pieces of bone or glass shards that could block the drainage.

3: Micro filter: filters dirt and food residues in the sump area and prevents it from being redeposited on the dishware during rinse cycle.

Cleaning the filter system

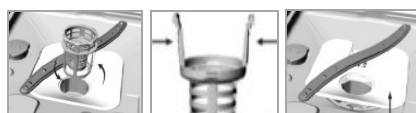
△ CAUTION:

- The dishwasher must never be used without the filter.
- Improper replacement of the filter can reduce performance and damage the appliance.
- Do not knock out the filter for cleaning to avoid possible deformations of the filters.

i NOTE:

Check after each rinsing the filter for residues.

- Turn the filter unit (coarse/micro filter) counterclockwise and remove it.



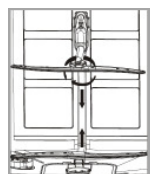
- Loosen the coarse filter from the micro filter by gently squeezing the side levers and take it upwards at the same time.
- Take out the main filter to the front.

- Remove leftover food and clean the filter under running water. Use a soft brush, if necessary.
- Put the filter system properly in reverse order together and reinstall in its provided position. Fix the entire system, by tightening the filter unit clockwise.

Cleaning the spray arms

Lime and impurities from the rinsing water can block nozzles and bearings of the spray arms. Check the outlet nozzles of the spray arms regularly for blockages.

- Unscrew the securing nut of the upper spray and pull off the arm downwards.



- Pull off the lower spray arm upwards.
- Clean the arms under running water; if necessary use a soft brush for the nozzles.
- Insert the spray arms again until they clicks into place and tighten the nut of the upper spray arm.

Maintenance of the dishwasher

CAUTION:

Never use spray cleaners to clean the door panel, this may damage the door lock and electrical components.

- Clean the appliance outer surfaces and the door sealing thoroughly with a soft, damp cloth. Use only mild cleaning agent.
- Use to remove stains inside the appliance a dampened cloth with a little white vinegar or a special detergent for dishwashers. If necessary, fill detergent in and start the appliance without dishware in the program with the highest rinse temperature.
- Dry the outer surfaces thoroughly before taking in operation again.

Antifreeze protection

If the unit is out of operation and exposed to temperatures below zero, observe the following precautions:

- Disconnect the mains plug.
- Close the water supply and remove the inlet hose from the water valve.
- Drain the water from the inlet hose and the water valve.
- Reconnect the inlet hose to the water valve.
- Turn off the lid of the salt container and take off the filter system. Remove the remaining water in the sump with an absorbent sponge.

Energy saving tips

- Always try to operate the dishwasher when it is fully loaded.
- Do not rinse the dishes in advance under running water.
- Use for each type of load the most appropriate rinse program.
- Do not perform a pre-rinse (depending on model), if not absolutely necessary.

Troubleshooting

Before you contact an authorized specialist

Problem	Possible causes	What do to
The appliance is not working	Fuse blown or the circuit breaker acted	Replace fuse or reset circuit breaker. Remove any other units sharing the same circuit with the dishwasher.
	Power supply is not turned on	Insert the power plug properly. Make sure the appliance is switched on and the door is closed securely.
	Water pressure is low	Check if the water supply is connected properly and the water is turned on.
Water is not drained off	Kink in drain hose	Check the drain hose.
	Filter clogged	Check the filter system.
	Kitchen sink clogged	Check kitchen sink to make sure it is draining well. If the kitchen sink is clogged, you may need a specialist.

Problem	Possible causes	What do to
Noise	Some audible sounds are normal	E.g. sound from detergent dispenser opening.
	Dishware is not secured	Take care that the dishware is secured in the dishwasher.
	The spray arm knocks against a piece of tableware	Place the parts so that the spray arm can rotate freely during rinsing.
Suds in the tub	Improper detergent	Use only special dishwasher detergent to avoid suds. If this occurs, open the door and let suds evaporate. Add approx 4 liter cold water to the tub. Close the door and start a short rinse cycle to drain out the water.
	Spilled rinse agent	Always wipe up rinse agent spills immediately.
Stained tub interior	Detergent with colorant was used	Only use detergent without colorant.
Dishes and flatware not clean	Improper program	Select a stronger program.
	Improper basket loading	Make sure that the action of the detergent dispenser and spray arm are not blocked by large dishes.
Spots and filming on glasses and flatware	Extremely hard water Low inlet temperature Overloading the baskets Improper loading Old or damp detergent Empty rinse dispenser Incorrect dosage of detergent	To remove spots of glassware: - Take out all metal utensils of the appliance. - Do not add detergent. - Select a longer rinse cycle. - Start the dishwasher and allow it to run for about 15 minutes up to the main rinse. - Pour 2 cups of white vinegar into the appliance bottom. - Let complete the rinse cycle. If the vinegar does not work: repeat as above, except use ¼ cup (60 ml) of citric acid crystals instead of vinegar.
Cloudiness on glassware	Combination of soft water and too much detergent	Use less detergent if you have soft water and select a shortest cycle to rinse glassware and to get clean.
Yellow or brown film on inside surface	Tea or coffee stains	Using a solution of ½ cup of bleach and 3 cups of warm water to remove the stains by hand.
	Iron deposits in water can cause an overall film	Call a water softener company for a special filter.
White film on inside surface	Hard water minerals	To clean the interior, use a damp sponge with dishwasher detergent. Wear rubber gloves.
Detergent dispenser close not properly	Clogged detergent residue is blocking the catch	Clean the detergent from the catch.
Detergent left in dispenser	Dishes blocks the dispenser	Reload the dishes.
Steam	Normal	There is some steam coming through the vent by the door latch during drying and water draining.

Problem	Possible causes	What do to
Black or grey marks on dishware	Aluminum utensils have rubbed against dishware	Use a mild abrasive cleaner to eliminate those marks.
Water standing on the bottom of the tub	Normal	A small amount of clean water around the outlet on the tub bottom keeps the water seal lubricated.
Dishwasher leaks	Overfill dispenser or rinse aid spills	Do not overfill the dispenser. Spilled rinse aid could cause oversudsing and lead to overflowing.

Error codes

With some malfunctions the appliance displays the following error codes to warn you:

Display-indication	Meaning	Possible causes
E1	Door open	The door has opened during operation.
E2	Water inlet	Water inlet malfunction.
E3	Water drainage	Water drainage malfunction.
E4	Temperature sensor	Temperature sensor malfunction.
E5	Overflow / leakage	Possible overflow / leakage occurs.
E6	Water leakage	Possible water leakage occurs.
E7	Heating element	Abnormal heating.
E8	Water diversion system	Water diversion system malfunction.

CAUTION:

- If overflow occurs, turn off the main water supply before calling an authorized technician.
- If there is water in the lower housing part due to an overfilling or a small leak, remove this water before restarting the appliance.

NOTE:

If a problem still persists after following the steps above, please contact your distributor or an authorized technician.

Technical Data

Measures / Weights		
Height x Width x Depth	cm	84.5 x 44.8 x 60.0
Net weight	kg	37.0
Electrical / Water connection		
Connection power	W	1850
Connection voltage	V~ / Hz	220-240 / 50
Fuse protection	A	10
Water protection	Mpa (bar)	0.04 – 1.0 (0.4-10)

The right to make technical and design modifications in the course of continuous product development remains reserved.

Product data sheet for household dishwasher according to regulation (EU) No. 1059/2010

Brand	Bomann	
Model	GSP 852	
Standard place settings	9	
Energy efficiency class ¹⁾	A++	
Annual energy consumption ²⁾	kWh	197
Energy consumption of the standard cleaning cycle	kWh	0.70
Power consumption of the off mode	W	0.35
Power consumption of the left-on mode	W	0.9
Weighted annual water consumption ³⁾	l	2240
Drying efficiency class ⁴⁾	A	
Standard program to which the information relates to the label and the data sheet ⁵⁾	ECO	
Program duration of the standard cleaning cycle	Min.	176
Noise emission	dB(A) re1pW	49
Built-in appliance	-	

1) A+++ (highest efficiency) to D (lowest efficiency).

2) Based on 280 standard cleaning cycles using cold water fill and the consumption of the low power models. Actual energy consumption will depend on how the appliance is used.

3) Based on 280 standard cleaning cycles. Actual water consumption will depend on how the appliance is used.

4) A (highest efficiency) to G (lowest efficiency).

5) This program is suitable for cleaning normally soiled tableware and that it is the most efficient program in terms of its combined energy and water consumption for that type of tableware.

Note: The above values have been measured in accordance with standards under specified operating conditions. Results may vary greatly according to quantity and pollution of the dishes, water hardness, amount of detergent, etc.

This appliance has been tested according to all relevant current CE guidelines, such as electromagnetic compatibility and low voltage directives, and has been constructed in accordance with the latest safety regulations



Disposal

Meaning of the "Dustbin" Symbol

Protect our environment; do not dispose of electrical equipment in the domestic waste.

Please return any electrical equipment that you will no longer use to the collection points provided for their disposal.

This helps avoid the potential effects of incorrect disposal on the environment and human health.

This will contribute to the recycling and other forms of reutilization of electrical and electronic equipment.

Information concerning where the equipment can be disposed of can be obtained from your local authority.

WARNING:

Remove or disable any existing snap and bolt locks, if you take the appliance out of operation or dispose it.

BOMANN®

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Stand 12/16