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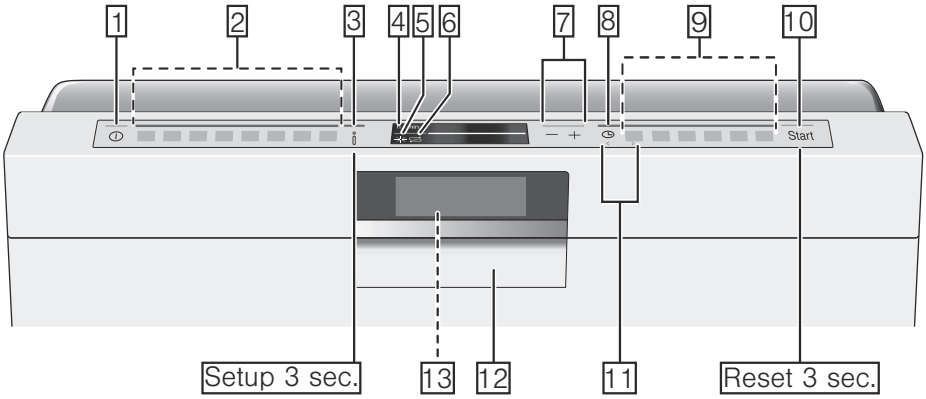


Dishwasher

SM...
SB...

BOSCH

en Instruction manual


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Setup 3 sec.
13
12
11
Reset 3 sec.

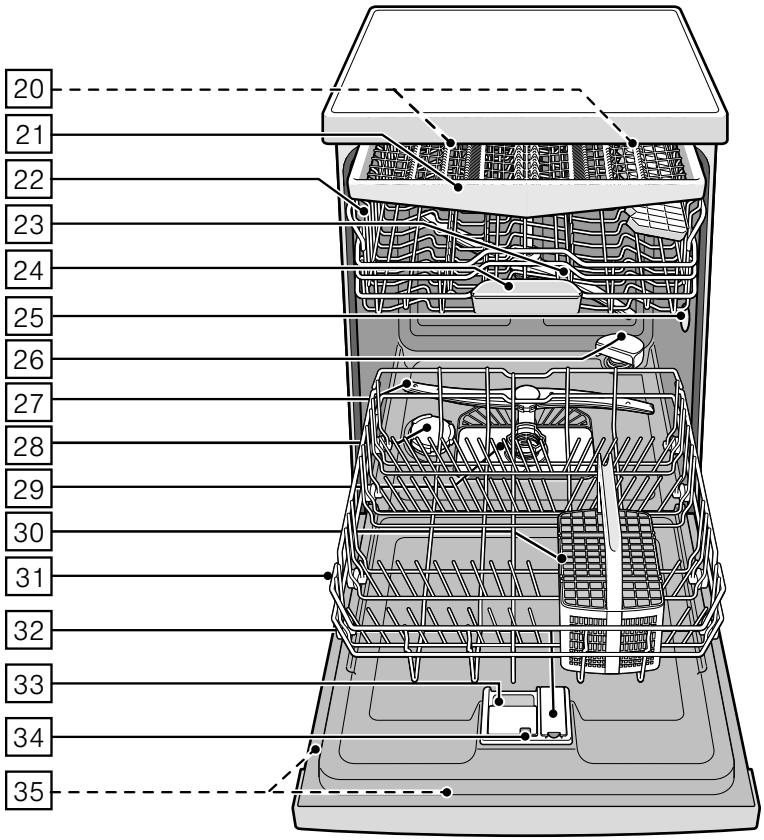

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Intended use

- This appliance is intended for use in the home and the home environment.
- Use the dishwasher only in the household and only for its designed purpose: for washing domestic dishes.

Safety instructions

Children from 8 years of age or people whose physical, sensory or mental abilities or their lack of experience or knowledge prevent them from using the appliance safely must not use this appliance without supervision or instruction by a responsible person.

Before you switch ON the appliance

Please read the operating and installation instructions carefully. They contain important information on how to install, use and maintain the appliance.

Retain all documents for subsequent use or for the next owner.

Delivery

1. Check the packaging and dishwasher immediately for damage caused in transit. Do not switch on a damaged appliance, but contact your supplier.
2. Please dispose of the packaging material in an environmentally friendly manner.
3. Do not let children play with packaging and its parts. There is a risk of suffocation from collapsible boxes and film.

Installation

- Following installation, ensure that the back of the dishwasher is not freely accessible (protection against contact due to hot surface).
- Install and connect the appliance according to the installation and assembly instructions.
- Prior to installation, disconnect the dishwasher from the power supply.
- Ensure that the protective conductor system of the domestic supply has been correctly installed.
- The electrical connection conditions must correspond with the specifications on the dishwasher rating plate [35].

- If the power cord of this appliance is damaged, it must be replaced with a particular power cord. To prevent injury, the power cord may be purchased from customer service only.
- If the dishwasher is installed in a high-sided unit, the unit must be secured properly.
- If the dishwasher is installed below or above other domestic appliances, follow the information for installation in combination with a dishwasher in the installation instructions for the particular appliances.
- Also follow the installation instructions for the dishwasher to ensure that all appliances are operated safely.
- If there is no information or if the installation instructions do not include the appropriate information, contact the manufacturer of these appliances to ensure that the dishwasher can be installed above or below these appliances.
- If you cannot obtain any information from the manufacturer, you must not install the dishwasher above or below these appliances.
- If you install a microwave oven above the dishwasher, the microwave oven may be damaged.
- Install built-under or integratable appliances only under continuous worktops which have been screwed to adjacent cupboards to ensure stability.
- Do not install the appliance near heat sources (radiators, heat storage tanks, cookers or other appliances which generate heat) and do not install under a hob.
- After installing the appliance, ensure that the plug is easily accessible. ⟶ *"Electrical connection" on page 47*
- For some models: The plastic housing on the water connection contains an electric valve. The supply hose contains electrical connection cables. Do not cut through the supply hose. Do not immerse the plastic housing in water.

In daily use

Read and observe the safety information and instructions for use on the packaging for cleaning and rinsing agents.

Damage

- The appliance may be repaired and opened up by a technician only. To do this, disconnect the appliance from the power supply. Pull out the mains plug or switch off the fuse. Turn off the tap.
- If the appliance is damaged, especially the control panel (cracks, holes, broken buttons), or the door function is impaired, stop operating the appliance. Pull out the mains plug or switch off the fuse. Turn off tap, call customer service.

Disposal

1. Make redundant appliances unusable to prevent subsequent accidents.
2. Dispose of the appliance in an environmentally friendly manner.

⚠ Warning
Risk of injury!

- To prevent injuries, e.g. caused by stumbling, open the dishwasher only briefly in order to load and unload the dishwasher.
- Knives and other utensils with sharp points must be placed with the points downwards in the cutlery basket* 30 or horizontally on the knife shelf* or in the cutlery drawer* 21.
- Do not lean or sit on the open door.
- In the case of free-standing appliances, ensure that the baskets are not overloaded. The appliance could tip.
- If the appliance is not in a cavity and a side panel is accessible, the door hinge area must be covered at the side for reasons of safety (risk of injury). The covers are available as optional accessories from customer service or specialist outlets.

* depending on the features of your dishwasher

⚠ Warning
Risk of explosion!
Do not add any solvents to the rinsing compartment. Danger of explosion!

⚠ Warning
Risk of scalding!
Open the door carefully when the programme is still running. There is a risk of hot water spraying out of the appliance.

⚠ Warning
Risk to children!
- If fitted, use the childproof lock.
- Do not allow children to play with or operate the appliance.
- Keep children away from detergents and rinse aid. These may cause chemical burns in the mouth, throat and eyes or asphyxiation.
- Keep children away from open dishwasher. The water in the rinsing compartment is not drinking water and could contain detergent residue.
- Ensure that children do not place fingers in the tablet collecting tray [24]. Small fingers could become caught in the slots.
- When opening and closing the door on an eye-level appliance, ensure that children do not become jammed or crushed between the appliance door and the cupboard door below.
- Children could become locked in the appliance (danger of suffocation) or get into another dangerous situation.
  Redundant appliances: Pull out the mains plug, sever and dispose of the power cord. Destroy the door lock so that the door can no longer be closed.

Childproof lock (door lock) *

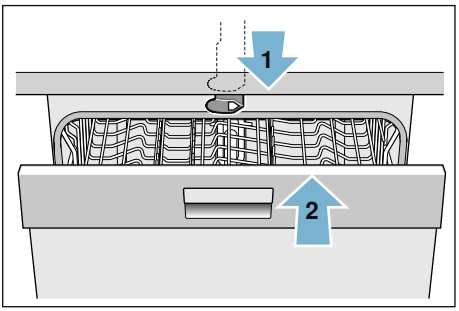
The child-proof lock (door lock) protects children from potential hazards which the dishwasher poses.

⚠ Warning
Risk of suffocation!
Children may become locked in the dishwasher and suffocate. Always completely close the appliance door when leaving the dishwasher.

Activate the child-proof lock (door lock) as follows:

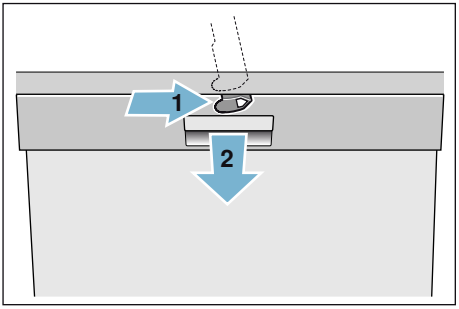
1. Pull the catch of the child-proof lock towards yourself (1).
2. Close the door (2).

The child-proof lock is activated.



Open the door with activated child-proof lock (door lock) as follows:

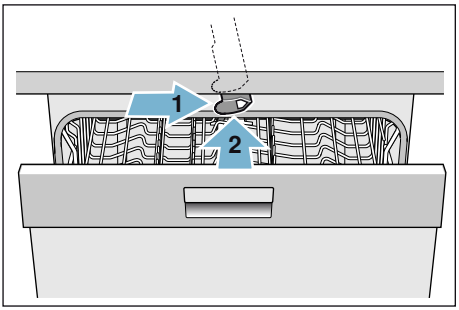
1. Press the catch of the child-proof lock to the right (1).
2. Open the door (2).



Deactivate the child-proof lock (door lock) as follows:

1. Press the catch of the child-proof lock to the right (1).
2. Press the catch of the child-proof lock backwards (2).

The childproof lock is deactivated.



* depending on the features of your dishwasher

Environmental protection

Both the packaging of new appliances and the old appliances themselves contain valuable raw materials and recyclable materials.

Please dispose of the individual parts separated according to type.

Please ask your dealer or inquire at your local authority about current means of disposal.

Packaging

All plastic parts of the appliance are identified with internationally standardised abbreviations (e.g. PS polystyrene). Therefore, plastic waste can be sorted out when the appliance is being disposed of.

Please follow the safety instructions under “Delivery” ⟶ *Page 5*.

Old appliances

Please follow the safety instructions under “Disposal of your appliance” ⟶ *Page 7*.



This appliance has been identified in accordance with the European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE). The directive provides a framework for the collection and recycling of old appliances, which is valid across the EU.

Getting to know your appliance

Diagrams of the control panel and the interior of the appliance can be found at the front of the manual. Individual positions are referred to in the text.

Control panel

See Fig. ⟶ *Page 2*

1 On/off switch
2 Programme buttons **
3 Info button
4 Display window at top
5 Rinse aid refill indicator
6 Salt refill indicator
7 Selection buttons
8 Time preselection
9 Additional functions **
10 START button
11 < > button
12 Open door button
13 Front display *

* depending on the features of your dishwasher

** number depending on the features of your dishwasher

Appliance interior

See Fig. ⟶ *Page 2*

20 Interior light *
21 Cutlery drawer
22 Top basket
23 Upper spray arm
24 Tablet collecting tray
25 Intake opening
26 Blow opening (Zeolith container)
27 Lower spray arm
28 Dispenser for special salt
29 Filters
30 Cutlery basket
31 Bottom basket
32 Dispenser for rinse aid
33 Detergent dispenser
34 Lock for detergent dispenser
35 Rating plate

* depending on the features of your dishwasher

Info button

The Info button can be used to display additional programme information.

1. Press the Info button 3.
2. Press the programme button. Information on the selected programme is indicated on the display window at the top 4.
3. To leave, press Info button 3.

Time setting

When the appliance is switched on the for the first time, the time starts at 12:00 o'clock.

Set the time as follows:

1. Open the door.
2. Switch on ON/OFF switch 1.
3. Press Info button 3 for 3 seconds until the following text is indicated on the display window at the top 4:
   Scroll with < >
   Set with - +
   Leave with Setup 3 sec.
4. Keep pressing button **>** 11 until the time setting is indicated on the display window at the top 4.
5. Make the setting with setting buttons **+ -** 7. If the selection buttons **+ -** 7 are held down, the set values are changed in 10-minute steps.
6. Press and hold the Info button 3 for 3 seconds.

The chosen setting has now been stored.

Note: If the appliance was disconnected from the power supply for a prolonged period, the time starts at 12:00 o'clock. Set the time.

Switching on the appliance for the first time

When the dishwasher is switched on for the first time, you are taken directly to the settings for switching on the appliance for the first time. The following text is indicated on the display window at the top 4:

Scroll with < >
Set with - +
Leave with Setup 3 sec.

The required settings for switching on the appliance for the first time are listed in the table below.

Change the setting as follows:

1. Keep pressing button **>** 11 until the required setting is displayed.
2. Make the setting with setting buttons **+ -** 7.
3. Press and hold the Info button i 3 for 3 seconds.

The chosen setting has now been stored.

Settings Switching on the appliance for the first time	Factory setting	Infotext by pressing Info button i
Language	Deutsch	Language selection.
Time format	24h	12h or 24h.
Time setting	12:00	Set the current time.
Water hardness	°E 16 - 20 medium	Setting water hardness. When using Multitabs, select the lowest setting.
Rinse aid disp.	Setting 5	Amount of rinse aid affects drying. When using Multitabs, select setting 0.
Water connection *	Cold water	Connection to hot water (40-60°C) or cold water (<40°C) possible.

* depending on the features of your dishwasher

Settings

The dishwasher has been preset with certain settings for your convenience. You can change this factory setting.

Change the setting as follows:

1. Open the door.
2. Switch on ON/OFF switch 1.
3. Press Info button i 3 for 3 seconds until the following text is indicated on the display window at the top 4:
   Scroll with < >
   Set with - +
   Leave with Setup 3 sec.
4. Keep pressing button **>** 11 until the required setting is displayed.
5. Make the setting with setting buttons **+ -** 7.
6. Press and hold the Info button i 3 for 3 seconds.

The chosen setting has now been stored.

You have the option of resetting all changed settings back to the original factory settings.

Note: When you reset your dishwasher to the factory settings, you are taken directly to the settings for switching on the appliance for the first time.

Setting	Factory setting	Infotext by pressing Info button i
Time setting	12:00	Set the current time.
Time format	24h	12h or 24h.
Time display	Time	Show end of programme with display "Finish in" or "Finish at".
Language	Deutsch	Language selection.
Water hardness	°E 16 - 20 medium	Setting water hardness. When using Multitabs, select the lowest setting.
Rinse aid disp.	Setting 5	Amount of rinse aid affects drying. When using Multitabs, select setting 0.
Sensor setting	Standard	Adjustment of soiling detection for optimum cleaning result.
Extra dry	Off	Improved drying for glasses and plasticware.
Water connection *	Cold water	Connection to hot water (40-60°C) or cold water (<40°C) possible.
Eco forecast	Off	Show the water and energy consumption.
Auto Power Off	after 1 min.	Appliance automatically switches off at end of rinsing process.
Emotion Light *	On	Interior light.
Front display *	On	The front display can be selected.
Timelight *	On	While programme is running, status information is projected onto floor.

Setting	Factory setting	Infotext by pressing Info button i
Infolight *	On	Light is projected to signal an active cleaning cycle.
Start programme	Eco 50°	When switching on, the last selected programme appears.
Tone volume *	Setting 2	Volume of signal at end of programme.
Button volume	Setting 2	Volume when using buttons.
Childproof lock *	Off	Activated child-proof lock impedes opening of door.
Eco drying *	On	Door opens automatically at the end of the programme.
Greeting	On	When switching on the appliance, the brand logo can be deselected.
Factory setting	Confirm/Back	Resetting to the factory setting.

* depending on the features of your dishwasher

Water softening system / special salt

To ensure good rinsing results, the dishwasher requires soft water, i.e. water which is low in lime, otherwise limescale will be deposited on the utensils and interior container. Tap water above 7° dH (1.2 mmol/l) must be softened. The water is softened with special salt (regeneration salt) in the water softening system of the dishwasher. The setting and therefore the required amount of salt depends on the degree of hardness of your tap water (see following water hardness table).

Water hardness table

Water hardness value °E	Hardness range	mmol/l	Set value on the machine
0–8	soft	0–1.1	0 - 8
9–10	soft	1.2–1.4	9-10
11–12	medium	1.5–1.8	11-12
13–15	medium	1.9–2.1	13-15
16–20	medium	2.2–2.9	16-20
21–26	hard	3.0–3.7	21-26
27–38	hard	3.8–5.4	27-38
39–62	hard	5.5–8.9	39-62

Adjusting the water softening system

The amount of salt dispensed can be set from **0** to **62**°E. Salt is not required at the set value **0-8**.

Set the softening system as follows:

1. Ask your local water utility company for the water hardness value of the tap water.
2. Required setting can be found in the water hardness table.
3. Open the door.
4. Switch on ON/OFF switch 1.
5. Press Info button i 3 for 3 seconds until the following text is indicated on the display window at the top 4:
   Scroll with < >
   Set with - +
   Leave with Setup 3 sec.
6. Keep pressing button **>** 11 until the water hardness is indicated on the display window at the top 4.
7. Make the setting with setting buttons **+ -** 7.
8. Press and hold the Info button i 3 for 3 seconds.

The chosen setting has now been stored.

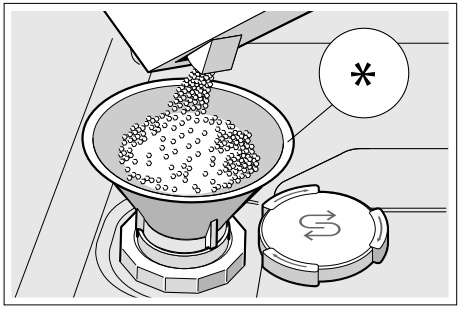
Using special salt

As soon as the low salt indicator 6 is lit on the control panel or is requested on the front display * 13, salt should be topped up. Always refill with special salt immediately before switching on the appliance. This ensures that overrun special salt solution is immediately washed out and does not corrode the rinsing tank.

Caution!
Detergent will destroy the water softening system! Never pour detergent into the salt dispenser.

Top up the salt as follows:

1. Undo the screw plug on the dispenser [28].
2. Fill the dispenser with water (required only when switching on the appliance for the first time).
3. Add salt as illustrated **(do not use table salt or tablets)**.
   The water is displaced and runs out.



* depending on the features of your dishwasher

Using detergents with salt component

If combined detergents with a salt component are used, special salt can usually be omitted up to a water hardness of 21° dH (37° fH, 26° Clarke, 3.7 mmol/l). If the water hardness is over 21° dH, salt must be used.

Switching off low salt indicator / water softening system

If the use of combined detergents with a salt component impairs the low salt indicator [6] on the control panel or the text on the display window at the top [4] (enough salt for x rinse cycles), the displays can be switched off.

Proceed as described under “Setting water softening system” and set the value to **0-8**. The water softening system and salt refill indicator are now switched off.

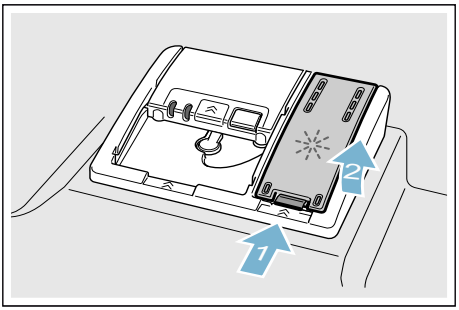
Rinse aid

As soon as the low rinse-aid indicator [5] is lit on the control panel or is requested on the front display * [13], rinse-aid should be topped up.
The rinse aid is required for stain-free utensils and clear glasses. Use only rinse aid for domestic dishwashers. Combined detergents with rinse-aid component may be used up to a water hardness of 21° dH (37° fH, 26° Clarke, 3.7 mmol/l) only. If the water hardness is over 21° dH, rinse-aid must be used.

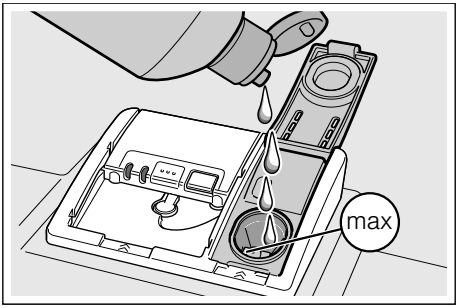
* depending on the features of your dishwasher

Top up the rinse-aid as follows:

1. Open dispenser [32]; press lug on the lid (1) and lift (2).



2. Add rinse-aid up to the max. mark.



3. Close the lid.
   Lid “clicks” into position.
4. Remove overflowed rinse aid with a cloth.
   This prevents excessive frothing during the next rinse cycle.

Setting amount of rinse aid

The amount of rinse aid to be dispensed can be set from **0** to **6**. Set the amount of rinse aid to be dispensed to **5** to obtain a very good drying result. Do not change the amount of rinse aid unless there are streaks or water stains on the utensils. Set a lower level to avoid streaks. Set a higher level to avoid water stains.

Set the amount of rinse aid as follows:

1. Open the door.
2. Switch on ON/OFF switch [1].
3. Press Info button [3] for 3 seconds until the following text is indicated on the display window at the top [4]:
   Scroll with < >
   Set with - +
   Leave with Setup 3 sec.
4. Keep pressing button **>** [11] until the rinse aid dispenser is indicated on the display window at the top [4].
5. Make the setting with setting buttons **+ -** [7].
6. Press and hold the Info button [3] for 3 seconds.

The chosen setting has now been stored.

Switching off rinse aid refill indicator

If the use of combined detergents with a rinse-aid component impairs the low rinse-aid indicator [5] on the control panel or the text on the front display [13] (enough rinse aid for x rinse cycles), the displays can be switched off.

Proceed as described under “Setting amount of rinse aid” and select setting **0**.

* depending on the features of your dishwasher

Utensils

Not suitable

- Cutlery and utensils made of wood.
- Delicate decorative glasses, craft and antique utensils. These decors are not dishwasher-proof.
- Plastic parts not resistant to heat.
- Copper and tin utensils.
- Utensils which are soiled with ash, wax, lubricating grease or ink.

Aluminium and silver parts have a tendency to discolour and fade during the wash cycle. Even some types of glass (e.g. crystal glass objects) may turn cloudy after many wash cycles.

Glass and utensil damage

Causes:

- Glass type and glass production process.
- Chemical composition of the detergent.
- Water temperature of the wash programme.

Recommendation:

- Use only glasses and porcelain which the manufacturer designates as dishwasher-proof.
- Use a detergent which protects utensils.
- Take glass and cutlery out of the dishwasher as soon as possible after the programme ends.

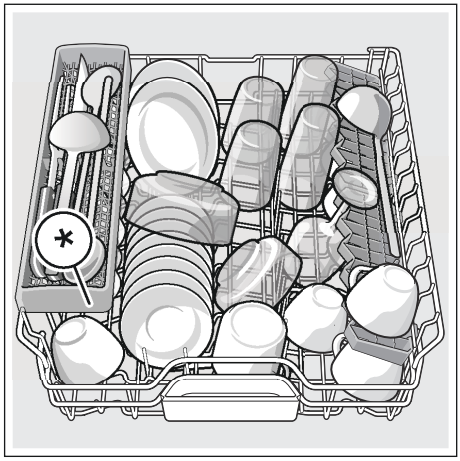
Loading the dishwasher

1. Remove large food remnants. It is not necessary to prerinse utensils under running water.
2. Place the utensils so that
   - they are secure and cannot tip over.
   - all utensils with their openings face down.
   - parts with curves or indentations are at an angle, thereby allowing water to drain.
   - does not obstruct rotation of the two spray arms [23] and [27].

Very small utensils should not be washed in the machine, as they may fall out of the baskets.

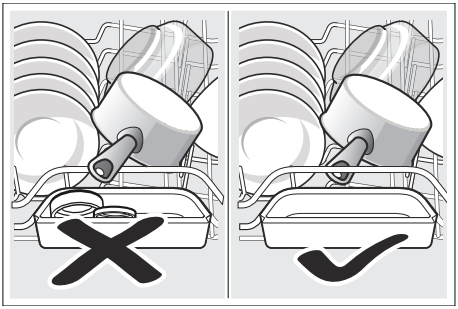
Upper basket

Arrange cups and glasses in the upper basket [22].



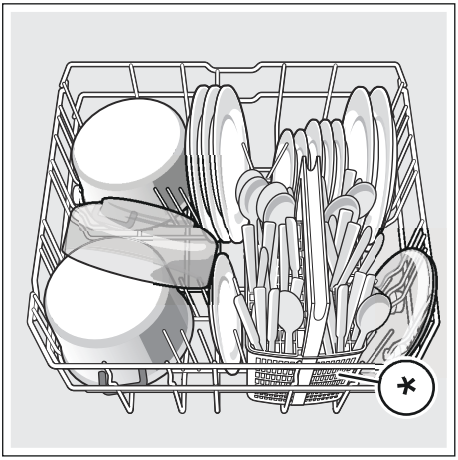
* depending on the features of your dishwasher

Note: Utensils must not be placed above the tablet collecting tray [24]. These may block the lid of the detergent dispenser and prevent it from opening fully.



Lower basket

Arrange pots and plates in the lower basket 31.



* depending on the features of your dishwasher

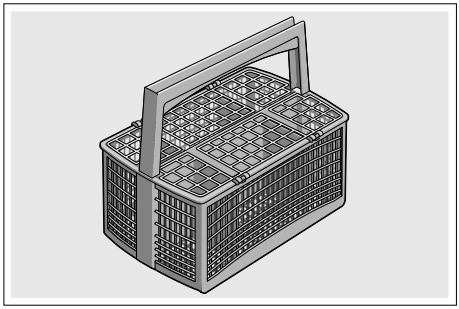
Tip: Heavily soiled utensils (pans) should be placed in the lower basket. The more powerful spray jet provides a better dishwashing result.

Tip: Other examples, such as the best way of loading your dishwasher, can be found on our homepage. These can be downloaded free of charge. The corresponding Internet address can be found on the back page of these instructions for use.

Cutlery basket *

Place cutlery, always unsorted with the tips face down, in the cutlery basket *.

To prevent injuries, place long, pointed implements and knives on the knife shelf *.

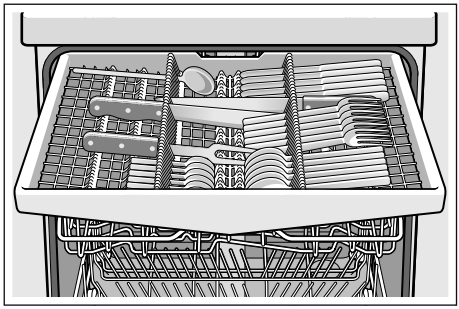


* depending on the features of your dishwasher

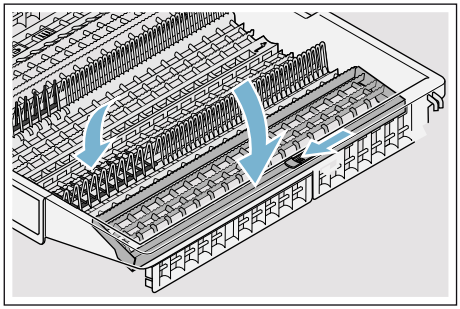
Cutlery drawer *

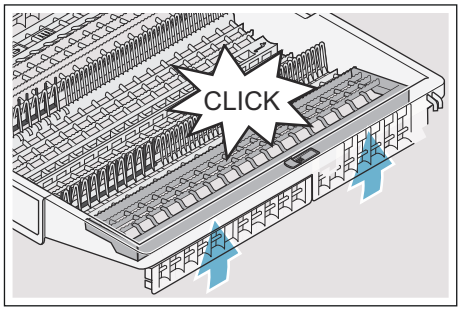
Arrange the cutlery in the cutlery drawer 21 as illustrated. Separately arranged utensils are easier to remove after washing.

You can take out the cutlery drawer.



Depending on the features of your dishwasher, you can fold down the side shelves to provide more room for taller items of cutlery. The front rows of prongs can be folded down to provide room for wider handles.

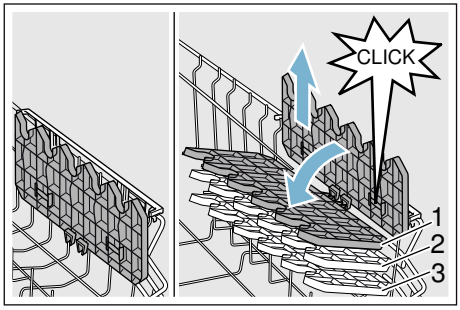




* depending on the features of your dishwasher

Etagere *

The etagere and the space underneath can be used for small cups and glasses or for larger items of cutlery, such as wooden spoons or serving cutlery. If you do not require the etagere, it can be folded up.



* Depending on the features of your dishwasher, you can adjust the etagere 3 times the height.

Adjust the height of the etagere as follows:

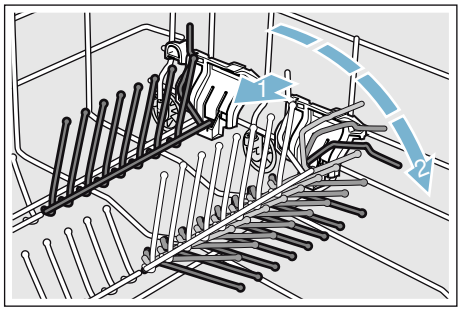
1. Position the etagere vertically and pull upwards.
2. Push etagere at a slight angle downwards to the required height (1, 2, or 3).
3. Engage etagere.
   Etagere “clicks” into position.

Folding spikes *

* Depending on the features of your dishwasher, the spikes can be folded down. This facilitates arrangement of pots, bowls and glasses.

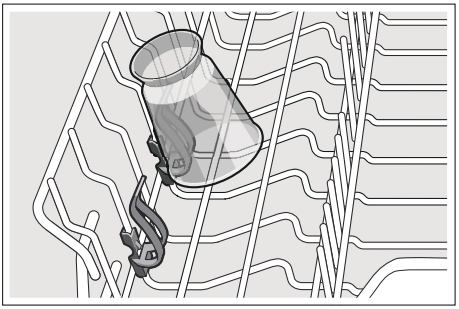
Fold down the spikes as follows:

1. Press lever forwards (1).
2. Fold down spikes (2).



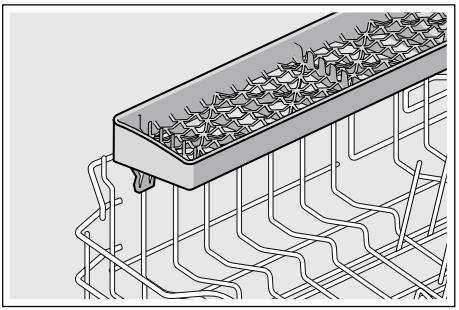
Small items holder *

* Depending on the features of your dishwasher, the upper basket is fitted with small items holders. The small items holders can be used to securely attach light plastic parts.



Knife rack *

* Depending on the features of your dishwasher, the upper basket is fitted with a knife shelf. Long knives and other utensils can be placed in the knife shelf.



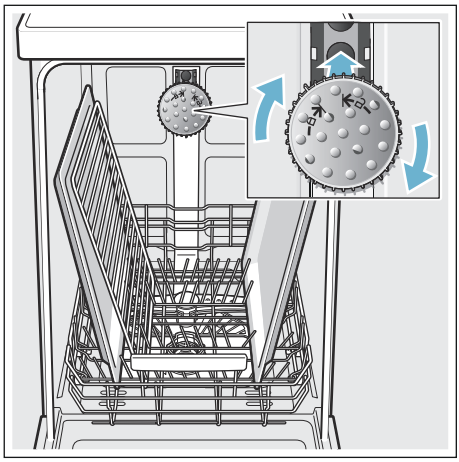
Baking sheet spray head *

* depending on the features of your dishwasher

Large trays or grilles as well as large plates (gourmet plates, pasta plates, dinner plates) can be cleaned with this spray head.

Insert the spray head as follows:

1. Remove upper basket 22.
2. Insert spray head as illustrated and turn to the right.
   Spray head is engaged.



To ensure that the spray jet can reach all parts, arrange the baking sheets as illustrated (max. 2 baking sheets and 2 grilles).

Note: Ensure that the dishwasher is always operated with upper basket 22 or baking tray spray head.

Unloading the dishwasher

To prevent water from dripping off the upper basket onto the utensils in the lower basket, it is recommended to empty the appliance from the bottom up.

Tip: Hot utensils are sensitive to shock! Therefore, when the programme ends, leave the utensils to cool down in the dishwasher until they can be handled.

Note: When the programme ends, water droplets can still be seen inside the appliance. This does not affect the drying of the utensils.

Adjusting the height of the basket *

* depending on the features of your dishwasher

If required, the height of the upper basket [22] can be adjusted to create more space for taller utensils either in the upper or lower basket.

Appliance height 81.5 cm

With cutlery basket	Upper basket	Lower basket
Setting 1 max. ø	22 cm	31 cm
Setting 2 max. ø	24.5 cm	27.5 cm
Setting 3 max. ø	27 cm	25 cm

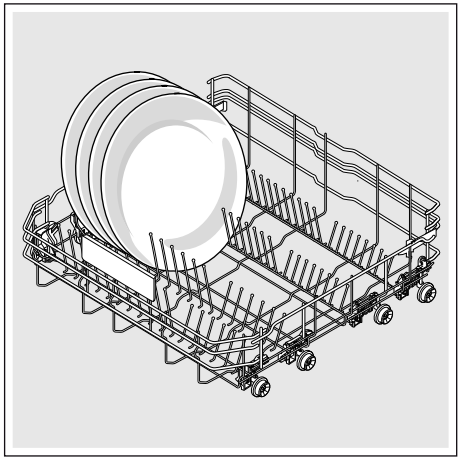
With cutlery drawer	Upper basket	Lower basket
Setting 1 max. ø	16 cm	31 cm
Setting 2 max. ø	18.5 cm	27.5 cm
Setting 3 max. ø	21 cm	25 cm

Appliance height 86.5 cm

With cutlery basket	Upper basket	Lower basket
Setting 1 max. ø	24 cm	34 cm
Setting 2 max. ø	26.5 cm	30.5 cm
Setting 3 max. ø	29 cm	28 cm

With cutlery drawer	Upper basket	Lower basket
Setting 1 max. ø	18 cm	34 cm
Setting 2 max. ø	20.5 cm	30.5 cm
Setting 3 max. ø	23 cm	28 cm

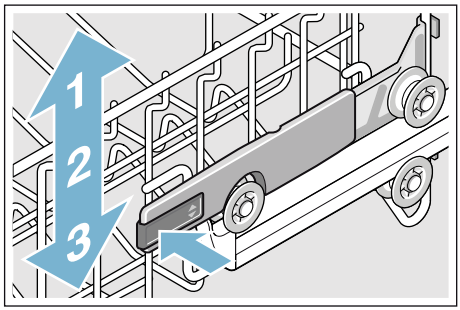
Arrange large plates up to a diameter of 31/34* cm in the lower basket [31] as illustrated.



* depending on the features of your dishwasher

Upper basket with side levers

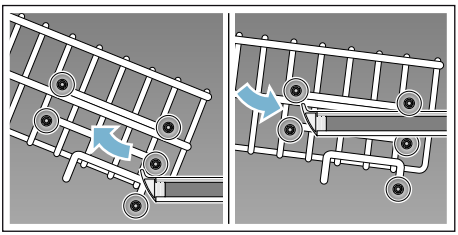
1. Pull out upper basket [22].
2. Hold the sides of the basket along the upper edge.
   This prevents it from suddenly dropping.
3. To **lower** the upper basket; press in both levers on the left and right on the outside of the basket. The upper basket lowers.



4. To **lift** the upper basket; grip the sides of the upper basket along the upper edge and lift.
5. Ensure that both sides of the upper basket are at the same height.
6. Push in upper basket.

Upper basket with upper and lower pairs of rollers

1. Pull out upper basket [22].
2. Remove upper basket.
3. Re-attach upper basket to the upper (Setting 3) or lower (Setting 1) rollers.



4. Push in upper basket.

Detergent

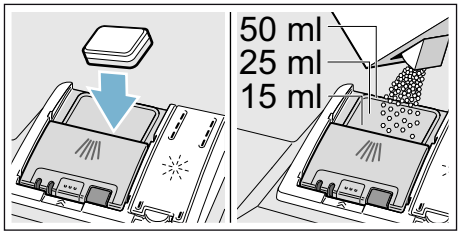
You can use tablets as well as powder or liquid detergents for dishwashers, but never use washing up liquid. The dosage can be individually adjusted with powder or a liquid detergent according to the degree of soiling. Tablets contain an adequately large amount of active ingredients for all cleaning tasks. Modern, powerful detergents predominantly use a low-alkaline formulation with phosphate and enzymes. Phosphates bond the lime in the water. Enzymes break down starch and remove protein. Phosphate-free detergents are less frequent. These have a slightly weaker lime bonding capacity and require a higher dosage. To remove coloured stains (e.g. tea, tomato sauce), oxygen-based bleaching agents are usually used.

Note: To ensure a good washing result, always follow the instructions on the detergent packaging!
If you have further questions, we recommend that you contact the detergent manufacturers' helpline.

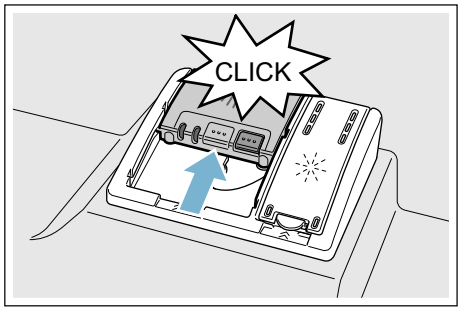
Warning
Risk of injury and damage due to non-observance of the safety instructions for detergent and rinse-aid products!
Always follow the safety instructions for detergent products and rinse-aid products.

Adding detergent

1. If the detergent dispenser 33 is still closed, actuate locking bar 34 to open it.
2. Pour detergent into the dry detergent dispenser 33 only (insert tablet flat, not on its edge).
3. Dosage: see manufacturer's instructions on the packaging. Use graduated detergent dispenser. Usually 20 ml–25 ml are adequate for normal soiling. If using tablets, one tablet is adequate.



4. Close cover on the detergent dispenser.
   Cover "clicks" into position.



The detergent dispenser opens automatically at the optimum time depending on the programme. The powder or liquid detergent is distributed in the appliance and is dissolved, the tablet falls into the tablet collecting tray where it dissolves in doses.

Tip: If the utensils are only lightly soiled, slightly less than the indicated amount of detergent is usually adequate.
Suitable detergents and care products can be purchased online via our website or via customer service (see back page).

Combination detergent

Apart from conventional detergents (Solo), a number of products are offered with additional functions. These products contain not only the detergent but also rinse-aid and salt replacement substances (3in1) and, depending on the combination (4in1, 5in1, ...), additional components such as glass protection or stainless steel cleaner. Combination detergents function only up to a specific degree of hardness (usually 21°dH). Over this limit salt and rinse-aid must be added.

As soon as combined detergents are used, the rinse programme is adjusted automatically to ensure the best possible rinsing and drying result.

Notes

- If you want to add more utensils after the programme has started, do **not** use the tablet collecting tray [24] as a handle for the upper basket. The tablet could already be there and you will touch the partially dissolved tablet.
- Do **not** place small parts for washing in the tablet collecting tray [24]; this prevents the tablet from dissolving evenly.
- You will obtain optimum rinsing and drying results by using solo detergents and applying salt and rinse aid separately.
- If programmes are short, tablets may not have full cleaning effect due to different dissolving properties and there may even be undissolved detergent residue. It is recommended to use washing powder for these programmes.
- The dosing of a tablet is adequate for the “Intensive” programme (for some models). When using washing powder, you can apply some of this cleaning agent to the inside of the appliance’s door.
- Even if the rinse-aid and/or salt refill indicator is lit, the rinse programme will run correctly with combined detergents.
- If using detergents in a water-soluble protective cover: Take hold of the cover with dry hands only and put the detergent into an absolutely dry detergent dispenser only, otherwise the detergent may stick.
- If you switch from combined detergents to solo detergents, ensure that the water softening system and amount of rinse aid have been set to the correct value.
- Biological/eco detergents: Detergent products identified as “Bio” or “Eco” (to protect the environment) usually use lower quantities of active agents or completely dispense with certain substances. The cleaning effect of such products may occasionally be restricted.

Overview of programmes

The max. possible number of programmes is illustrated in this overview. The corresponding programmes and their arrangement can be found on the fascia.

Type of utensils	Type of soiling	Programme	Possible additional options	Programme sequence
pots and pans, non-sensitive utensils and cutlery	very adhesive burned-in or dried-on food remnants containing starch or protein	auto Auto 65° - 75°	all	Is optimised according to the soiling with the aid of sensors.
mixed utensils and cutlery	part dried, common household food remnants	auto / Auto 45° - 65°	all	Is optimised according to the soiling with the aid of sensors.
non-sensitive utensils and cutlery	very adhesive burned-in or dried-on food remnants containing starch or protein	/ Super 60°	all	Clean 60° Intermediate rinse Final rinse 60° Dry
mixed utensils and cutlery	part dried, common household food remnants	/ **eco** Eco 50°	all	Pre Rinse Clean 50° Intermediate rinse Final rinse 35° Dry
sensitive utensils, cutlery, temperature-sensitive plastic and glasses	slightly adhesive, fresh food remnants	auto / Auto 35° - 45°	intensiveZone VarioSpeedPlus Half load extraDry Shine and Dry Energy Save	Is optimised according to the soiling with the aid of sensors.
sensitive utensils, cutlery, temperature-sensitive plastic and glasses	slightly adhesive, fresh food remnants	/ Glass 40°	intensiveZone VarioSpeedPlus Half load extraDry Shine and Dry	Pre Rinse Clean 40° Intermediate rinse Final rinse 50° Dry
mixed utensils and cutlery	part dried, common household food remnants	night Night	intensiveZone Half load HygienePlus extraDry Shine and Dry	Pre Rinse Clean 50° Intermediate rinse Final rinse 35° Dry

Type of utensils	Type of soiling	Programme	Possible additional options	Programme sequence
sensitive utensils, cutlery, temperature-sensitive plastic and glasses	slightly adhesive, fresh food remnants	Quick wash 45°	Extra dry Shine and Dry	Clean 45° Intermediate rinse Final rinse 50°
all types of utensils	cold rinsing, intermediate cleaning	Pre Rinse	none	Pre Rinse

Programme selection

You can select a suitable programme according to the type of utensils and type of soiling.

Information for test institutes

Test institutes receive the information for comparability tests (e.g. according to EN60436).

These are the conditions for conducting the tests, however these are not the results or consumption values.
Request by e-mail to:
dishwasher@test-appliances.com
The product number (E no.) and the production number (FD) are required which you can find on the rating plate [35] on the appliance door.

P+ Additional functions

* Depending on the features of your dishwasher, you can select different additional functions [9].

Save time (VarioSpeedPlus) *

The “Save time” function can reduce the running time by approx. 20% to 66% depending on the selected rinse programme. To obtain optimum cleaning and drying results at a reduced running time, water and energy consumption are increased.

½ Half load *

If you have only a few items to wash (e.g. glasses, cups, plates), you can switch to “half load”. This will save water, energy and time. It is recommended to put a little less detergent in the detergent dispenser than for a full load.

hygienePlus (HygienePlus) *

This function increases the temperatures and retains them for an extra long time to obtain a defined disinfection performance. Continuous use of this function increases the hygiene status. This additional option is ideal for cleaning e.g. chopping boards and baby bottles.

intensiveZone *

Perfect for a mixed load. You can wash very soiled pots and pans in the lower basket together with normally soiled utensils in the upper basket. The spray pressure in the lower basket is intensified, the rinsing temperature is increased slightly.

Shine and Dry *

By increasing the amount of water during the rinse cycle and extending the drying phase, stains are prevented and the drying result is improved. There is a slight increase in the energy consumption. Rinse aid is recommended for the high gloss drying function (even when using combination detergents).

Energy Save *

The “Energy Save” function can be used to reduce water and energy consumption. The running time is extended for optimum cleaning and drying results.

Operating the appliance

Programme data

The programme data (consumption values) can be found in the summary of instructions. They refer to normal conditions and the water hardness set value °E 16 - 20 medium. Different influencing factors such as water temperature or line pressure may result in deviations.

Changing the settings

The dishwasher has been preset with certain settings for your convenience. You can change these factory settings.

Change the setting as follows:

1. Open the door.
2. Switch on ON/OFF switch 1.
3. Press Info button 3 for 3 seconds until the following text is indicated on the display window at the top 4:
   Scroll with < >
   Set with - +
   Leave with Setup 3 sec.
4. Keep pressing button **>** 11 until the required setting is indicated on the display window at the top 4.
5. Make the setting with setting buttons **+ -** 7.
6. Press and hold the Info button 3 for 3 seconds.

The chosen setting has now been stored.

Tip: If you change several settings, first make all changes in succession. Now press the Info button 3 for 3 seconds. This saves all set values in the appliance.

AquaSensor *

* depending on the features of your dishwasher

The Aqua sensor is an optical measuring device (light barrier) which measures the turbidity of the rinsing water.

The AquaSensor is used according to the programme. If the AquaSensor is active, “clean” rinsing water can be transferred to the next rinse bath and water consumption can be reduced by 3–6 litres. If the turbidity is greater, the water is drained and is replaced with fresh water. In the automatic programmes the temperature and running time can also be adjusted to the degree of soiling.

Zeolith drying

Warning

Risk of burns from touching the blow opening [26]!

Never touch the blow opening. The blow opening becomes hot and, furthermore, any damage will result in a chargeable callout by customer service.

Caution!

Please ensure that the intake opening [25] is not obstructed and do not place any temperature-sensitive utensils in the lower basket at the rear right side above the blow opening [26].

The appliance features a Zeolith container. Zeolith is a mineral which can store moisture and heat energy and release them again.

During the washing step this heat energy is used to dry the mineral and heat up the rinsing water.

During the drying phase moisture from the rinsing compartment is stored in the mineral and heat energy is released. This released heat energy is blown into the rinsing compartment with dry air. This accelerates and improves drying.

These processes therefore save a great deal of energy.

Time display

The running time is determined during the programme by the water temperature, the number of utensils as well as the degree of soiling and may vary (depending on the selected programme). You can change the time display in time or hours/minutes so that the remaining running time of the rinsing progamme appears in the display window “Ready at” (for example 15:20 hours) or “Ready in” (for example 3:25).

Sensor setting

The programme sequence is optmised in Auto programmes with the aid of sensors. The sensors adjust the programme strength of Auto programmes depending on the amount and type of soiling. You can adjust the sensitivity of the sensors in 3 stages.

Standard: This setting is ideal for a mixed load and heavily soiled utensils, but also saves energy and water.

Sensitive: This setting adjusts the programme strength for the effective removal of food remnants, even if the amount of soiling is low. The energy and water consumption is adjusted accordingly.

Very sensitive: This setting adjusts the programme strength for difficult conditions of use, for example firmly dried on food remnants. This setting is recommended if using biological or eco detergents which contain lower amounts of active agents. The energy and water consumption is adjusted accordingly.

extraDry

The final rinse uses a higher temperature which improves the drying result. The running time may increase slightly. (Caution if utensils are delicate!) You can switch the extraDry function on or off.

Eco forecast

When Eco forecast is activated, the average water and energy consumption of the selected programme is briefly displayed on the display window at the top [4].

AutoPowerOff (Switching off automatically after the end of the programme)

To save energy, the dishwasher is switched off 1 minute after the programme ends. You can also change this setting.

Possible settings are:

- **off:** The appliance does not switch off automatically.
- **After one minute:** The appliance switches off after 1 minute.
- **After two hours:** The appliance switches off after 2 hours.

emotionLight (interior light) *

* depending on the features of your dishwasher

The interior light [20] is on when the door is open irrespective of whether the ON/OFF switch [1] is switched on or off. When the door is closed or ajar, the interior light is off. You can switch the interior light on or off.

Note: Note that when the door is open the interior light is automatically switched off after 1 hour.

Front display *

* depending on the features of your dishwasher

You can switch the front display [13] on or off (additional programme information).

TimeLight (Optical display while the programme is running) *

* depending on the features of your dishwasher

While programme is running, an optical display (additional programme information) is indicated on the floor under the appliance door. If the base panel is pulled forwards or if the appliance is installed at eye-level with flush furniture front, the display is not visible.

You can switch the optical display on or off.

Infolight *

* depending on the features of your dishwasher

While the programme is running, a light spot shines on the floor under the appliance door. Do not open the appliance door until the light point is no longer visible on the floor. If the appliance door is not completely closed, the light spot flashes *. If the appliance is installed at eye-level, with flush furniture front, the light point is not visible. You can switch the Infolight on or off.

Changing start programme

You can change the “Start programme” setting.

Tone volume

The end of the programme is indicated by a buzzer. You can also change this setting.

Button volume

When you are operating the dishwasher, a signal sounds whenever a button is pressed. You can control the volume of the signal. If you do not like the button volume, you can switch it off.

Child-proof lock *

* depending on the features of your dishwasher

The dishwasher features an electronic child-proof lock. The child-proof lock protects children from potential hazards which the dishwasher poses.

You can switch the child-proof lock on or off. When the child-proof lock is on, it is difficult to open the door.

Greeting

When you switch on the dishwasher, the brand logo appears. You can switch off the brand logo.

Factory setting

You can reset all settings to the factory setting.

Switching the appliance on

1. Turn on tap fully.
2. Open the door.
3. Switch on ON/OFF switch 1.
   The Eco 50° programme has been preset for environmentally friendly operation whenever the appliance starts. This programme remains selected if no other programme button 2 is pressed.
4. Press START button 10.
5. Close the door.

Programme sequence starts.

Note:
For ecological reasons the Eco 50° programme is preset whenever the appliance starts. This conserves environmental resources and not least saves you money.
The Eco 50° programme is a particularly environmentally friendly programme. According to EU regulation 1016/2010 it is the "Standard programme" which is the most efficient standard cleaning cycle for cleaning normally soiled utensils in terms of the combined energy and water consumption for cleaning these types of utensils.

Time preselection

You can delay the start of the programme by up to 24 hours. Depending on the setting of the time display, the end of programme is indicated with "Finish in" (for example 3h 25m) or "Finish at" (for example 15:20 hours).

1. Open the door.
2. Switch on ON/OFF switch 1.
3. Selects programme 2.
4. Press time preselection button 8.
5. Keep pressing the setting buttons + - 7 until the displayed time corresponds with your requirements.
6. Press START button 10, timer programming is activated.
7. To delete the time preselection, press START button 10 for approx. 3 seconds.
   Time preselection was terminated.
8. Close the door.

Programme end

* The programme has ended when "Finished" is indicated on the display window at the top 4 and on the front display * 13.
* The end of the programme is displayed on the floor – provided the TimeLight (optical display) is switched on and is visible.

* depending on the features of your dishwasher

Switching off the appliance

Short time after the end of the programme:
1. Open the door.
2. Switch off ON/OFF switch 1.
3. Turn off tap (does not apply to appliances with Aqua-Stop).
4. Remove the utensils when they have cooled down.

Note: When the programme ends, leave the appliance to cool down a while before opening it. This will prevent steam from escaping and causing long-term damage to your built-in furniture.

Interrupting the programme

Caution!
Expansion (overpressure) may cause the appliance door to jump open and/or water to escape! If the door was opened on an appliance which has a hot water connection or is heated, always leave the door ajar for several minutes and then close.

1. Open the door.
2. Switch off ON/OFF switch 1.
   The LEDs go out. The programme is saved.
3. To continue the programme, switch on the ON/OFF switch 1 again.
4. Close the door.

Terminating the programme (Reset)

1. Open the door.
2. Press the START button 10 and hold for 3 seconds
   The display window at the top 4 and the front display * 13 show: "Program was terminated".
3. Close the door.
   The programme sequence lasts approx. 1 min. The display window at the top 4 shows: “Finished”.
4. Open the door.
5. Switch off ON/OFF switch 1.
6. Close the door.

* depending on the features of your dishwasher

Changing the programme

When the START button 10 has been pressed, the programme cannot be changed. The only way a programme can be changed is by Cancel programme (Reset).

Cleaning and maintenance

A regular inspection and maintenance of your machine will help to prevent faults. This saves time and prevents problems.

Overall condition of the machine

- Check rinsing compartment for grease and limescale deposits.

If you find such deposits:

- Fill detergent dispenser 33 with detergent. Start the appliance without utensils in the programme with the highest rinsing temperature.

Warning
Health hazard due to detergents containing chlorine!
Always use chlorine-free detergents.

Clean the appliance with detergents/appliance cleaners which are particularly suitable for use with dishwashers.

- To ensure that the door seal always remains clean and hygienic, regularly clean it with a damp cloth and a little washing-up liquid.
- If the appliance is switched off for a prolonged period, leave the door ajar to prevent the formation of an unpleasant odour.

Never use a steam cleaner to clean your dishwasher. The manufacturer is not liable for any consequential damage.

Regularly wipe the front of the appliance and fascia with a damp cloth; water and a little washing up liquid are adequate. Do not use sponges with a rough surface or abrasive detergents, as these could scratch the surfaces.

Stainless steel appliances: To prevent corrosion, avoid using sponge cloths or wash them out thoroughly several times before using for the first time.

Special salt and rinse aid

Top up the salt and/or rinse aid as soon as the refill indicators on the fascia [6] and [5] are lit or there is a prompt on the front display * [13].

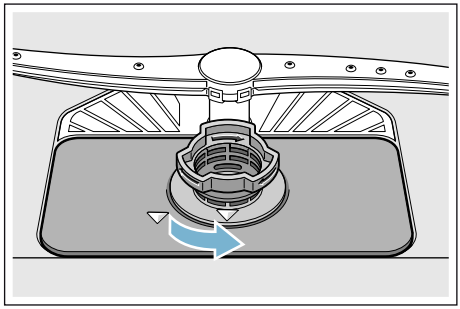
* depending on the features of your dishwasher

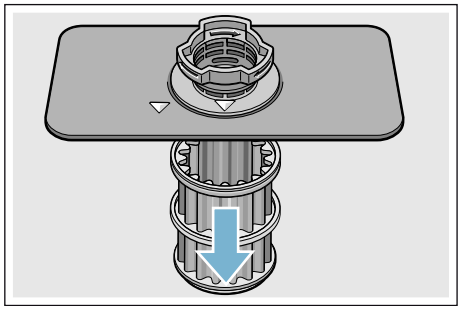
Filters

The filters [29] keep large foreign objects in the rinsing water away from the pump. hese foreign objects may occasionally block the filters.

The filter system consists of
- a coarse filter
- a flat fine filter
- a microfilter

1. After each washing cycle check the filters for residue.
2. Unscrew filter cylinder as illustrated and take out filter system.



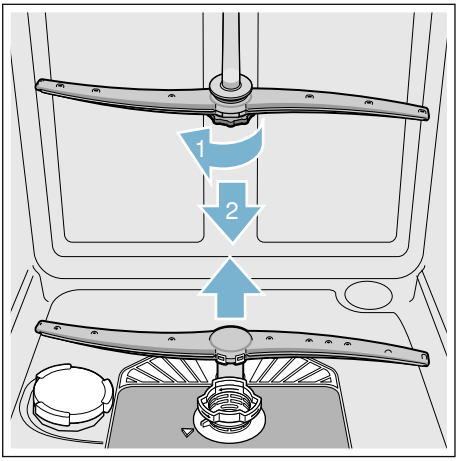


3. Remove any residue and clean filters under running water.
4. Re-install filter system in reverse sequence and ensure that the arrow marks are opposite each other after closing the filter system.

Spray arms

Limescale and contaminants in the rinsing water may block nozzles and bearings on the spray arms [23] and [27].

1. Check outlet nozzles on the spray arms for blockages.
2. Unscrew the upper spray arm [23] (1) and remove downwards (2).
3. Remove the lower spray arm [27] upwards.



4. Clean spray arms under running water.
5. Re-engage or screw on spray arms.

Fault, what to do?

Experience has shown that you can rectify most faults which occur in daily operation yourself. This ensures that the appliance is quickly available to you again. In the following overview you can find possible causes of malfunctions and helpful information for rectifying them.

Note: If the appliance stops during dishwashing or does not start for no obvious reason, first run the Abort programme function (Reset)
→ *"Operating the appliance" on page 28*.

Warning
Improper repairs or use of non-original spare parts may cause considerable damage and put the user at considerable risk!
Always have repairs carried out by technicians. If a component has to be replaced, always use original spare parts.

Error message

Some faults are indicated at the top of the display window [4] and on the front display * [13] and possible remedies are offered (for example Filter system soiled (E22) –>Clean filters).

* depending on the features of your dishwasher

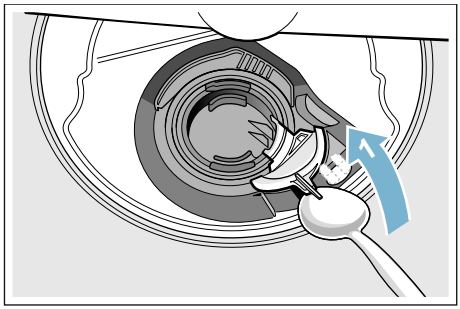
Waste water pump

Large food remnants or foreign objects which were not captured by the filters may block the waste water pump. The rinsing water will then be above the filter.

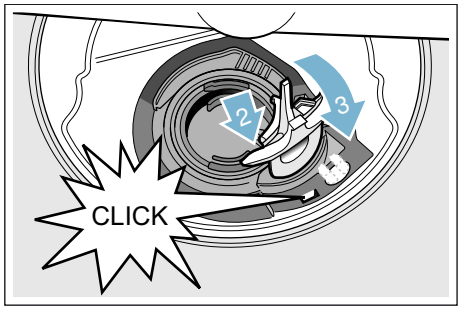
⚠ Warning
Danger of cutting!
Sharp and pointed objects or glass fragments may block the waste water pump.
Always carefully remove foreign objects.

Clean the waste water pump as follows:

1. Disconnect the dishwasher from the power supply.
2. Take out top basket [22] and bottom basket [31].
3. Remove the filters [29].
4. Scoop out water, use a sponge if required.
5. Prise off the pump cover (as shown) using a spoon. Grip the pump cover by the crosspiece and lift diagonally inwards (1). Remove cover completely.

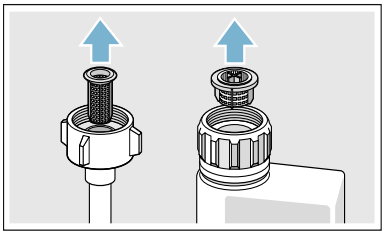


6. Check impeller wheel and remove any foreign objects.
7. Place pump cover in the original position (2) and press down until it engages (3).

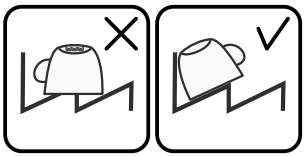


8. Install filters.
9. Re-insert baskets.

Fault table

Fault	Cause	Remedial action
"Check water supply" display lights up.	Supply hose kinked.	Install supply hose without kinks.
	Tap turned off.	Turn on the tap.
	Tap jammed or calcified.	Turn on the tap. Flow rate must be min. 10 l/min. when water supply is open.
	Filter in the water supply blocked.	Switch off the appliance and pull out the mains plug. Turn off the tap. Unscrew water connection.  Clean filter in the supply hose. Screw water connection on again. Check for leaks. Reconnect power supply. Switch on the appliance.
Error code E:07 is lit.	Intake opening (on right inside of appliance) covered by utensils.	Arrange utensils so that the intake opening is not obstructed.
Error code E: 12 is lit.	Heating element calcified or soiled.	Clean appliance with dishwasher cleaning agent or descaler. Operate the dishwasher with water softening system and check the setting.⟶ *"Water softening system/special salt" on page 15*
Error code E:22 is lit.	Filters 29 are soiled or blocked.	Clean filters. ⟶ *"Filters" on page 34*
Error code E:24 is lit.	Waste-water hose kinked or blocked.	Install hose without kinks, remove any residue.
	Siphon connection still sealed.	Check connection to siphon and open if required.
	Cover on the waste water pump loose.	Lock cover correctly. ⟶ *"Waste water pump" on page 36*
Error code E:25 is lit.	Waste water pump blocked or cover on the waste water pump is not locked in position.	Clean pump and lock cover correctly. ⟶ *"Waste water pump" on page 36*

Fault	Cause	Remedial action
Error code E:27 is lit.	Mains voltage too low.	Not an appliance fault, have the mains voltage and electrical installation checked.
A different error code is indicated on the digital display. (E:01 to E:30)	A technical fault has probably occurred.	Switch off appliances with the ON/OFF switch 1. After a short time restart the appliance. If the problem recurs, turn off the tap and pull out the mains plug. Call customer service and mention the error code.
Display flashes.	Door not closed properly.	Close the door. Ensure that no objects (utensil, fragrance dispenser) are protruding over the basket and preventing the door from closing.
Refill indicator for salt 6 and/or rinse-aid 5 is lit.	No rinse aid.	Refill rinse aid.
	No salt.	Refill with special salt.
	Sensor does not detect salt tablets.	Use different special salt.
Refill indicator for salt 6 and/or rinse-aid 5 is not lit.	Refill indicator switched off.	Activation/deactivation (see chapter "Water softening system/Special salt" ⟶ *Page 15* or "Rinse aid" ⟶ *Page 16*).
	There is still enough special salt/rinse aid available.	Check refill indicator, levels.
Water is left in the appliance at the end of the programme.	Filter system or area under the filters 29 is blocked.	Clean filters and area underneath.
	Program has not ended yet.	Wait until programme ends or reset.

Fault	Cause	Remedial action
Utensils not dry.	No or too little rinse aid in the dispenser.	Refill rinse aid.
	Programme selected without drying.	Select programme with drying. ⟶ *"Overview of programmes" on page 26*
	Water collecting in depressions on the utensils and cutlery.	Arrange utensils in a sloping position, arrange affected utensils as sloping as possible. 
	The combined detergent used has a poor drying performance	Use different combination detergent with better drying performance. Use of rinse aid also increases the drying performance.
	ExtraDry to increase drying not activated.	Activate ExtraDry. ⟶ *"Operating the appliance" on page 28*
	Utensils were removed too early or drying process had not ended yet.	Wait until program ends or wait until 30 min after program ends before removing utensils.
	The eco rinse aid used has a limited drying performance.	Use a proprietary rinse aid. Eco products may have limited effectiveness.
Plastic utensils not dry.	Special properties of plastic.	Plastic has a lower heat storage capacity and therefore dries less well.
Cutlery not dry.	Cutlery not arranged properly in the cutlery basket.	Separate cutlery if possible, prevent contact points.
	Cutlery not arranged properly in the cutlery drawer.	Arrange cutlery properly and separate if possible.
Appliance interior wet after rinse cycle.	No appliance fault	On account of the “Condensation drying” principle, water droplets are physically induced and required in the container. The humidity in the air condenses on the inner walls of the dishwasher, drains and is pumped out.

Fault	Cause	Remedial action
Food remnants on the utensils.	Utensils placed too closely together, utensils basket overfilled.	Arrange utensils with adequate clearance between them ensuring that the spray jets can reach the surface of the utensils. Prevent contact points.
	Spray arm rotation obstructed.	Arrange utensils so that the spray arm can rotate without obstruction.
	Spray arm nozzles are blocked.	Clean the spray arm nozzles. ⟶ *"Cleaning and maintenance" on page 33*
	Filters [29] dirty.	Clean filters. ⟶ *"Cleaning and maintenance" on page 33*
	Filters [29] inserted incorrectly and/or not engaged.	Insert and engage filters correctly.
	Rinse programme too weak.	Select a more intensive rinse programme. Increase sensitivity of the sensors. ⟶ *"Sensor setting" on page 30*
	Utensils precleaned too intensely; sensors therefore decide on weak programme sequence. Stubborn soiling cannot be completely removed.	Do not prerinse utensils. Remove only large food remnants. Increase sensitivity of the sensors. ⟶ *"Sensor setting" on page 30* Recommended programme Eco 50° or Intensive.
	Tall narrow receptacles in corner areas are not rinsed adequately.	Do not place hollow receptacles too obliquely and do not place in the corner area.
	Top basket [22] on right and left not set to same height.	Set top basket to same height using side levers.

Fault	Cause	Remedial action
Detergent residue.	Detergent dispenser cover [33] blocked by utensils and therefore does not open fully.	Utensils must not be placed above the tablet collecting tray [24]. These may block the lid of the detergent dispenser and prevent it from opening fully. ⟶ *"Upper basket" on page 18* Do not place utensils or fragrance dispenser in the tablet collecting tray.
	Detergent dispenser cover [33] blocked by the tablet.	Tablet must be inserted flat and not upright.
	Tablets used in the quick or short programme. Dissolving time of the detergent is not reached in the selected short programme.	Dissolving time of tablets too long for a quick or short programme. Use a detergent powder or select a more intensive programme.
	Washing effect and dissolving performance are reduced after a prolonged storage time or detergent is very lumpy.	Change detergent.
Water stains on plastic parts.	Droplet formation on plastic surface is physically unavoidable. After drying, water stains are visible.	Use a more intensive programme (more water changes). Arrange utensils in a sloping position. Use rinse aid. If required, increase softening setting.
Washable or water-soluble coatings in the container or on the door.	Detergent substances are deposited. These coatings cannot usually be removed with chemicals (appliance cleaner, ...).	Change detergent brand. Clean appliance mechanically.
	If there is a “white coating” on the container floor, the water softening system has been set marginally.	Increase softening setting and change detergent if required.
	Salt dispenser cover [28] not closed.	Close salt dispenser cover correctly.
	Only for glasses: Initial glass corrosion – can only apparently be wiped off.	See “Glass and utensil damage” ⟶ *Page 18*.

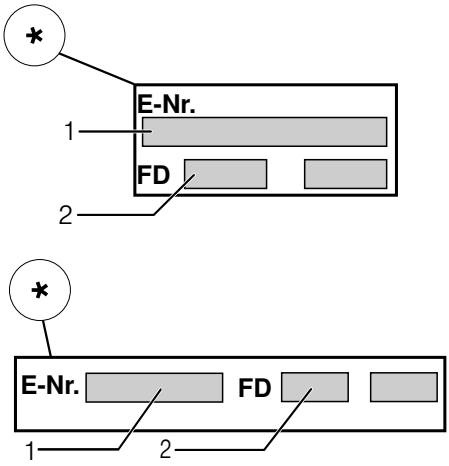
Fault	Cause	Remedial action
White, stubborn coatings; limescale on the utensils, container or door.	Detergent substances are deposited. These coatings cannot usually be removed with chemicals (appliance cleaner, ...).	Change detergent brand. Clean appliance mechanically.
	Hardness range incorrectly set or water hardness greater than 8.9 mmol/l.	Set water softening system according to instructions for use or top up salt.
	3in1 detergent or bio/eco detergent not effective enough.	Set water softening system according to instructions for use or use separate detergents (proprietary detergent, salt, rinse aid).
	Underdosing of detergent.	Increase detergent dosage or change detergent.
	Too weak rinse programme selected.	Select a more intensive rinse programme.
Tea or lipstick residue on the utensils.	Too low rinsing temperature.	Select programme with higher washing temperature.
	Too little or unsuitable detergent.	Use suitable detergent at correct dosage.
	Utensils precleaned too intensely; sensors therefore decide on weak programme sequence. Stubborn soiling cannot be completely removed.	Do not prerinse utensils. Remove only large food remnants. Increase sensitivity of the sensors. ⟶ *"Sensor setting" on page 30* Recommended programme Eco 50°
Coloured (blue, yellow, brown), difficult to remove to non-removable coatings in the appliance or on stainless steel utensils.	Film formation consisting of ingredients from vegetables (e.g. cabbage, celery, potatoes, noodles, ...) or the tap water (e.g. manganese).	Can be partly removed with machine cleaner or by mechanical cleaning. Coatings are harmless.
	Film formation caused by metallic components on silver or aluminium utensils.	Can be partly removed with machine cleaner or by mechanical cleaning.
Coloured (yellow, orange, brown), easily removable deposits inside the appliance (mainly in the floor area)	Film formation consisting of ingredients from food remnants and substances from the tap water (limescale), “soapy”	Check function of the water softening system (refill with salt) or, if using combined detergents (tablets), activate water softening system. ⟶ *"Water softening system/special salt" on page 15*
Plastic parts discoloured.	Too low rinsing temperature.	Select programme with higher washing temperature.
	Utensils precleaned too intensely; sensors therefore decide on weak programme sequence. Stubborn soiling cannot be completely removed.	Do not prerinse utensils. Remove only large food remnants. Increase sensitivity of the sensors. ⟶ *"Sensor setting" on page 30* Recommended programme Eco 50°

Fault	Cause	Remedial action
Removable streaks on glasses, glasses with metallic appearance and cutlery.	Too much rinse aid.	Set rinse aid amount to lower setting.
	No rinse aid added or setting too low.	Add rinse aid and check dosage (recommended setting 4–5).
	Detergent residue in the final rinse programme section. Detergent dispenser cover blocked by utensils (cover does not open fully).	Detergent dispenser cover must not be obstructed by utensils. Do not place utensils or fragrance dispenser in the tablet collecting tray.
	Utensils precleaned too intensely; sensors therefore decide on weak programme sequence. Stubborn soiling cannot be completely removed.	Do not prerinse utensils. Remove only large food remnants. Increase sensitivity of the sensors. ⟶ *"Sensor setting" on page 30* Recommended programme Eco 50°
Initial or existing, irreversible clouding of glass.	Glasses not dishwasher-proof, only suitable for dishwasher.	Use dishwasher-proof glasses. Avoid long steam phase (standing time after wash cycle ends). Use wash cycle at lower temperature. Set water softening system according to the water hardness (if required one setting lower). Use detergent with glass protection component.
Rust spots on the cutlery.	Cutlery not adequately rust-resistant. Knife blades are frequently more severely affected.	Use corrosion-resistant cutlery.
	Cutlery will also rust if rusting parts are rinsed at the same time (pan handles, damaged utensil baskets, etc.).	Do not wash rusting parts.
	Salt content in the rinsing water too high, as salt dispenser lock not fastened firmly or salt was spilled while being refilled.	Fasten salt dispenser lock firmly or remove spilled salt.
Appliance does not start.	The mains fuse has tripped.	Check mains fuse.
	Power cord not inserted.	Ensure that the power cord is plugged all the way into the back of the appliance and into the socket. Check that the socket functions.
	The appliance door has not been shut properly.	Close the door.
Programme starts automatically.	You did not wait until programme ended.	Perform reset.

Fault	Cause	Remedial action
The door is difficult to open.	Child lock is activated.	Deactivate the child lock.
Door cannot be closed.	Door lock has been activated.	Close door with increased force.
	Door cannot be closed due to installation.	Check appliance installation: Door or attached parts must close without obstruction.
Cover on the detergent dispenser cannot be closed.	Detergent dispenser or cover guide blocked by sticky detergent residue.	Remove detergent residue.
Detergent residue in the detergent dispenser [33] or in the tablet collecting tray [24].	Spray arms blocked by utensils, therefore detergent is not rinsed out.	Ensure that the spray arms can rotate freely.
	The detergent dispenser was damp when filled.	Pour detergent into the dry detergent dispenser only.
Appliance stops in the programme or programme is interrupted.	Door not closed properly.	Close the door.
	Do not place utensils or fragrance dispenser in the tablet collecting tray. Top basket presses against the door and prevents door from being closed securely.	Check whether rear panel is being pressed in, e.g. by socket or by hose holder which has not been removed.
	Power and/or water supply interrupted.	Restore power and/or water supply.
Filling valves making striking noises.	Depends on domestic installation, as appliance is not defective. No effect on appliance function.	No remedial action possible.
Knocking or rattling noise.	Spray arm strikes the utensils, utensils not positioned correctly.	Position utensils so that the spray arms do not strike the utensils.
	If there is a low load, the water jets strike the washing tank directly.	Load the appliance with more utensils or distribute the utensils more evenly in the dishwasher.
	Light utensils move during the wash cycle.	Arrange light utensils securely.
Unusual foam formation.	Handwash liquid in the rinse aid dispenser.	Immediately refill rinse aid dispenser with rinse aid.
	Rinse aid spilled.	Remove rinse aid with a cloth.

Customer service

If you are unable to rectify the fault, please contact your customer service. We will always find an appropriate solution in order to avoid unnecessary visits by engineers. Contact information for your nearest customer service can be found on the back of these instructions for use or on the enclosed customer service list. When calling, please state the appliance number (E-Nr. = 1) and the production number (FD = 2) which can be found on the rating plate [35] on the appliance door.



Trust the expertise of the manufacturer. Contact us for assistance. You can therefore be sure that the repair is carried out by trained service technicians who carry original spare parts for your domestic appliances.

* depending on the features of your dishwasher

Installation and connection

The dishwasher must be connected correctly, otherwise it will not function properly. The specifications for the inlet and outlet as well as the electrical connected loads must correspond with the required criteria as specified in the following paragraphs or in the installation instructions.

Install the appliance in the correct sequence:

1. Checking appliance on delivery
2. Installation
3. Drainage connection
4. Drinking water connection
5. Electrical connection

Contents of package

If you have any complaints, contact the dealer from whom you purchased the appliance or our customer services.

- Dishwasher
- User manual
- Installation instructions
- Quick reference guide*
- Warranty*
- Installation materials
- Steam guard plate*
- Rubber apron*
- Power cord

* depending on the features of your dishwasher

Safety instructions

Please follow the safety instructions under ⟶ *"Installation" on page 5*.

Delivery

Your dishwasher has been checked thoroughly in the factory to ensure that it is in working order. This may cause small water stains. These will disappear after the first wash cycle.

Technical specifications

- **Weight:**
  up to 60 kg
- **Voltage:**
  220–240 V, 50 Hz or 60 Hz
- **Connected load:**
  2.0 - 2.4 kW.
- **Fuse:**
  10/16 A (UK 13 A).
- **Power input:**
  switched off 0.50 W
  not switched off 0.50 W
- **Water pressure:**
  at least 0.05 MPa (0.5 bar),
  maximum 1 MPa (10 bar).
  At a higher water pressure:
  connect pressure-reducing valve ahead.
- **Inlet rate:**
  minimum 10 litres/minute
- **Water temperature:**
  cold water.
  Hot water:
  Maximum temperature 60 °C.
- **Capacity:**
  12–15 place settings (depending on the features of your dishwasher).

Installation

The required installation dimensions can be found in the installation instructions. Level the appliance with the aid of the height-adjustable feet. Ensure that the appliance is situated securely on the floor.

- A built-under or integrated appliance which is installed subsequently as a free-standing appliance must be secured to prevent it from overturning, e.g. by screwing it to the wall or by installing it under a continuous worktop which is screwed to adjacent cupboards.
- The appliance can easily be installed in a fitted kitchen between wooden and plastic walls.

Drainage connection

1. The required work sequence can be found in the installation instructions. If required, fit a siphon with an drainage connection.
2. Connect the waste-water hose to the drainage connection of the siphon with the enclosed parts.
   Ensure that the drainage hose is not kinked, crushed or twisted and that there is no cover plate in the drainage to prevent the waste water from flowing out!

Drinking water connection

1. Fasten the drinking water connection to the tap according to the installation instructions using the enclosed parts.
   Ensure that the drinking water connection is not kinked, crushed or twisted.
2. When replacing the appliance, always use a new water supply hose.

Water pressure:
at least 0.05 MPa (0.5 bar), maximum 1 MPa (10 bar).
At a higher water pressure:
connect pressure-reducing valve ahead.
Inlet rate:
minimum 10 litres/minute
Water temperature:
cold water.
Hot water:
Maximum temperature 60 °C.

Warm water connection *

* depending on the features of your dishwasher

The dishwasher can be connected to cold or hot water up to max. 60 °C. Connection to hot water is recommended if the hot water can be supplied by energetically favourable means and from a suitable installation, e.g. solar heating system with circulation line. This will save energy and time. The “Hot water” setting allows you to adjust your dishwasher optimally to operation with hot water. It is recommended to have a water temperature (temperature of the incoming water) of at least 40 °C and no more than 60 °C. It is not recommended to connect the appliance to hot water if the water is supplied from an electric boiler.

To change the setting:
1. Open the door.
2. Switch on ON/OFF switch 1.
3. Press Info button i 3 for 3 seconds until the following text is indicated on the display window at the top 4:
   Scroll with < >
   Set with - +
   Leave with Setup 3 sec.
4. Keep pressing the button **>** 11 until water connection appears of the display window at the top 4.
5. Make the setting with setting buttons **+ -** 7.
6. Press and hold the Info button i 3 for 3 seconds.

The chosen setting has now been stored.

Electrical connection

- Connect the appliance to an alternating current only, ranging from 220 V to 240 V and 50 Hz or 60 Hz via a correctly installed socket with protective earth conductor. See rating plate for required fusing 35.
- The socket must be near the appliance and freely accessible following installation.
  If the plug is not freely accessible, an allpole disconnector with a contact opening of at least 3 mm must be fitted on the installation side to satisfy the relevant safety instructions.

- The connection may be modified by technicians only.
- A power cord extension may be purchased from customer service only.
- Use only a residual current operated circuit-breaker which features the symbol . Only this extension guarantees compliance with the currently valid regulations.
- The appliance features a water damage protection system. Please note the system will function **only** when the power supply is connected.

Removal

Also observe the sequence of worksteps here.

1. Disconnect the appliance from the power supply.
2. Turn off the tap.
3. Undo the waste water and drinking water connection.
4. Loosen fastening screws for the furniture parts.
5. If fitted, remove the base panel.
6. Pull out the appliance, carefully pulling the hose behind.

Transporting

Empty the dishwasher and secure loose parts.

Drain the appliance according to the following steps:

1. Turn on the tap.
2. Open the door.
3. Switch on ON/OFF switch 1.
4. Select programme with the highest temperature.
   The estimated programme duration is indicated on the display window at the top 4.
5. Press START button 10.
6. Close the door.
   Programme sequence starts.
7. Open the door after approx. 4 minutes.
8. Press START button 10 until “Program was terminated”/“Ready in one minute.” is indicated at the top of the display window 4.
9. Close the door.
10. Open the door after approx. 1 minute.
    The display window at the top 4 indicates; “Finished”.
11. Switch off ON/OFF switch 1.
12. Turn off the tap, disconnect supply hose and drain water.

Note: Transport appliance upright only. This prevents residual water from running into the machine control and damaging the programme sequence.

Protection against frost

If the appliance is in a room where there is a risk of frost (e.g. holiday home), empty the appliance completely (see Transportation).

Subject to changes.

AquaStop guarantee (does not apply to appliances without AquaStop)

In addition to warranty claims against the seller based on the purchase contract and in addition to our appliance warranty we will pay damages under the following conditions:

1. If our AquaStop system is defective and causes water damage, we will make good the damage for private users.
   To ensure water damage protection, the appliance must be connected to the power supply.
2. This liability guarantee is valid for the service life of the appliance.
3. A prerequisite for the warranty claim is that the appliance has been correctly installed and connected with AquaStop according to our instructions.
   This also includes the correct installation of the AquaStop extension (original accessory). Our warranty does not extend to defective feed lines or fittings up to the AquaStop connection on the tap.
4. If your appliance is fitted with AquaStop, you can leave your appliance unattended during operation and leave the tap turned on afterwards.
   The tap should only be turned off if you are absent from home for a prolonged period, e.g. several weeks holiday.

☎ Repair order and advice on faults.

GB	0844 892 8979	Calls from a BT landline will be charged at up to 3 pence per minute. A call set-up fee of up to 6 pence may apply.
IE	01450 2655	0.03 € per minute at peak. Off peak 0.0088 € per minute.
US	800 944 2904	toll-free

Contact information for all countries can be found on the enclosed customer service list.

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