

Operating instructions

Adora N integrated

Dishwasher

Thank you for choosing to buy one of our products. Your appliance is made to high standards and is easy to use. Nevertheless, please take the time to read these operating instructions in order to familiarise yourself with the appliance and get the best use out of it.

Please follow the safety precautions.

Modifications

Text, diagrams and data correspond to the technical standard of the appliance at the time these operating instructions went to press. The right to make technical modifications for the purpose of the further development of the appliance is reserved.

Validity

The product family (model number) corresponds to the first alphanumeric on the identification plate. These operating instructions apply to:

Model	Type	Product family	Size system
Adora 55 N	GS55Ni	41019	SMS 55
Adora 55 N	GS55NGi	41021	SMS 55
Adora 60 N	GS60Ni	41029	EURO 60
Adora 60 N	GS60NGi	41031	EURO 60

Variations depending on the model are noted in the text.

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1 Safety precautions

1.1 Symbols used



Denotes important safety precautions.

Failure to observe said precautions can result in injury or in damage to the appliance or fittings!



Information and precautions that should be observed.



Information on disposal



Information about the operating instructions

- ▶ Indicates step-by-step instructions.
 - Describes how the appliance reacts to the steps taken.
- Indicates a list.

1.2 General safety precautions



- Read the operating instructions before using the appliance for the first time!



- This appliance can be used by children aged 8 and above and by persons with reduced physical, sensory or mental capabilities, or lack of experience and/or knowledge, provided they are supervised or have been instructed on the safe use of the appliance and have understood the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be undertaken by children without supervision.
- If an appliance is not equipped with a mains cable and a plug or other means for disconnecting from the mains with a contact opening on each pole complying with the conditions of overvoltage category III for full isolation, an isolating device must be incorporated into the permanently installed electrical installation in accordance with the installation regulations.
- If the mains cable of this appliance is damaged, it must be replaced by the manufacturer or its Customer Services or a similarly qualified person in order to avoid hazard.

1.3 Appliance-specific safety precautions

- The appliance is only suitable for washing household dishes and cutlery with water and standard dishwasher detergent. The appliance is for use in the home and for the intended purpose only. No liability is assumed for any damage caused by improper or incorrect use.
- Children under 3 years of age must be kept away from the appliance unless they are constantly supervised.
- Under no circumstances use a steam cleaner to clean this appliance.
- Ensure that any ventilation openings in the base of the appliance are not obstructed by carpet.
- Only leave the appliance door open in the at-rest position. An open appliance door poses a danger of tripping or injury! Do not sit or rest on the appliance door or use it as a storage surface.
- CAUTION: Knives and other objects with sharp points must be placed into the basket with the points facing downwards or be laid down horizontally in the basket.
- CAUTION: Do not drop or insert any knives, forks or other pointed objects into the door lock opening.
- Ensure no cleaning agent gets into the door lock opening. This can cause the door lock to malfunction.

1.4 Instructions for use

Before using for the first time

- The appliance must be installed and connected to the electricity supply in accordance with the separate installation instructions. Have a qualified fitter/ electrician carry out the necessary work.



The appliance was tested with water before being shipped. There may therefore still be traces of water left in the appliance.

Correct use

- Any repairs, modifications or manipulations to the appliance, especially any electrically live parts, may only be carried out by the manufacturer, its Customer Services or a similarly qualified person. Repairs if carried out incorrectly may cause serious injury, damage to the appliance and fittings, as well as affect the functioning of the appliance. If the appliance is not working properly or in case of a repair order, follow the instructions given in the «Service & Support» section. Please contact our Customer Services if necessary.
- Use original spare parts only.
- Retain these operating instructions for future reference.


Children in the home

- The water in the appliance is not to be used as drinking water. Detergent residue in the appliance could cause eye or skin irritation! Keep children away from the open appliance.

Note on use

- Use the childproof locking facility.
- If the appliance is visibly damaged, do not use it. Contact our Customer Services.
- If the appliance is not operating properly, disconnect it from the power supply immediately.
- Before closing the appliance door and starting a programme ensure that there are no foreign objects or pets in the appliance. Foreign objects, such as nails and paper clips, can damage parts of the appliance as well as the dishes.

1 Safety precautions

- Only use detergent, rinse agent and regeneration salt explicitly recommended for use with your appliance by the manufacturer in its instructions for use. Follow the corresponding instructions for use carefully.
- Do not use the appliance without any or too little detergent – risk of causing damage to the appliance!
- Do not use washing-up liquid as it can cause excessive foaming, causing your appliance to malfunction.
- After filling the salt reservoir, run the  programme without dishes.
- Never fill the rinse agent reservoir or the regeneration salt reservoir with detergent. If this were to happen, however, do not operate the appliance under any circumstances, as this could cause expensive damage to it. Call Customer Services.
- Never operate the appliance without the filter system in place.
- Only use soft materials for cleaning beneath the filter system. Never use metal objects for cleaning.

Caution: Risk of burns!

- Do not wash objects that are soiled with inflammable or corrosive solvent, paint, wax, chemicals (acids or bases) or iron shavings or that can shed fibres in the appliance.
- Avoid opening the appliance door unnecessarily during operation. The dishes and water may be hot – scalding hazard! The steam that escapes can damage wood combination fascias. Spectacles can steam up, impairing your vision.

Caution: Risk of injury!

- Do not lean on any part of the appliance – risk of accident!
- Keep pets away from the appliance.

Caution: Risk to life!

- Packaging material, e.g. plastic film and polystyrene, can be dangerous for children. Danger of suffocation! Keep packaging material away from children.

How to avoid damaging the appliance

- Turn off the water tap during longer absences.

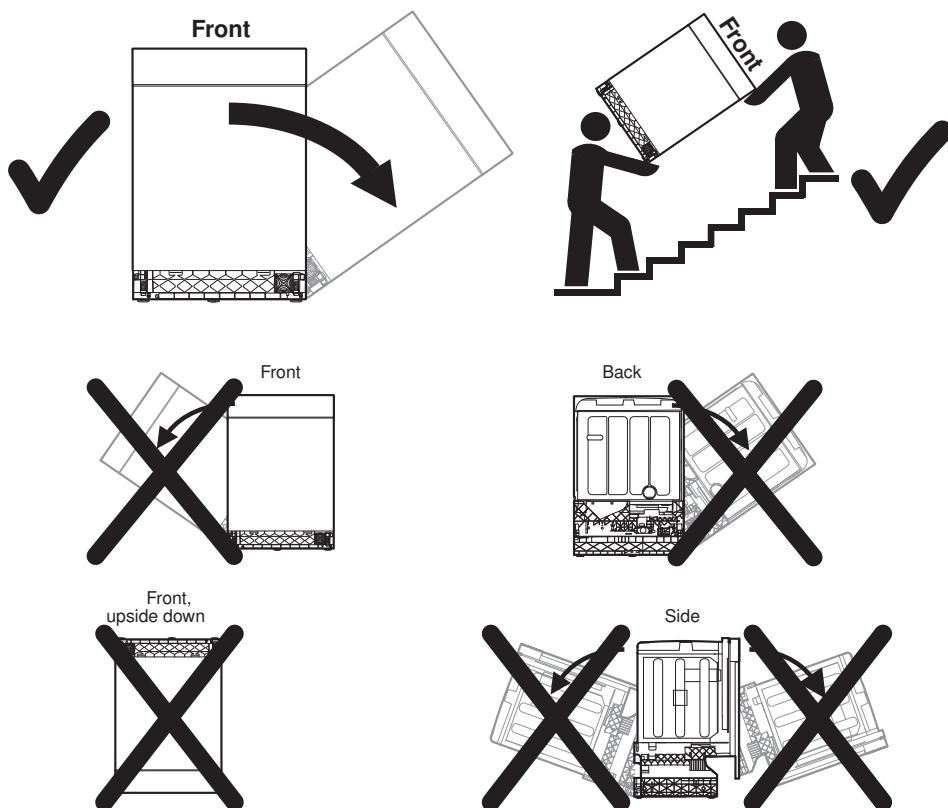
1 Safety precautions

- Please note: The appliance must be connected to the mains supply to ensure appliance protection (overflow protection, among other things).



Refill the salt reservoir with regeneration salt when the **S refill indicator illuminates, even if using *all in 1* detergent.**

- Transport the appliance in an upright position only! Transporting it in any other position will result in damage to the appliance! When carried carefully without being shaken, the appliance may be tilted a maximum of 90° to the left (viewed from the front).



2 Disposal

Packaging

- All packaging materials (cardboard, plastic film (PE) and polystyrene (EPS)) are marked and should, if possible, be collected for recycling and disposed of in an environmentally friendly way.


Disconnection

- Disconnect the appliance from the mains. With a fixed appliance, this is to be carried out by a qualified electrician!

Safety

- Disable the appliance to prevent accidents caused by improper use, especially through children playing.
- Pull the plug out of the mains socket or have the appliance disconnected from the mains by an electrician. Then cut the mains cable off flush with the appliance.
- Remove or disable the lock on the appliance door.

Disposal

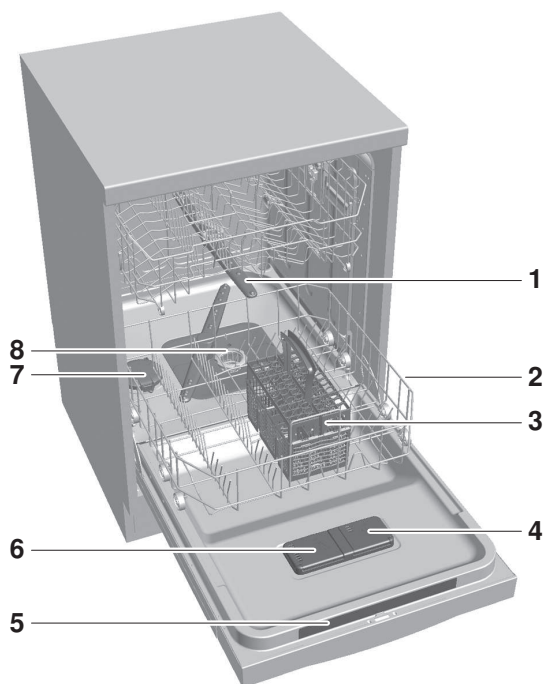
- The old appliance should not be discarded as worthless rubbish. If disposed of correctly, the raw materials can be recovered for recycling.
-  The symbol on the identification plate warns that the appliance may not be disposed of in normal household waste.
- The appliance must be disposed of in accordance with local regulations on waste disposal. For more information on the handling, disposal and recycling of the product, please contact the local authorities, the local recycling facilities for household waste or the retailer from whom you purchased the appliance.

3 Your appliance

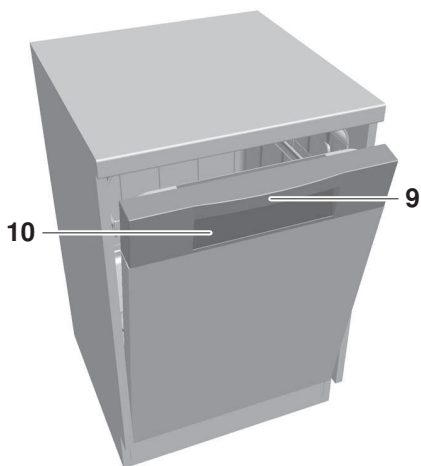
3.1 Appliance description

- Load capacity
 - 12 international place settings (SMS 55)
 - 13 international place settings (EURO 60)
- 5 programmes
 - «Daily»
 - «Quick/Glass»
 - «Intensive»
 - «Pre-rinsing»
 - «Economy programme»
- Additional functions
 - «Energy saving»
 - «Delayed start»
- «All in 1» detergent
- Hot water connection

3.2 Appliance construction






- 1 Spray arm
- 2 Basket
- 3 Cutlery basket
- 4 Rinse agent reservoir
- 5 Quick operating instructions
- 6 Detergent dispenser
- 7 Salt reservoir
- 8 Filter system
- 9 Door handle
- 10 Operating and display elements





3.3 Operating and display elements



Programme buttons

-  Programme selection
-  Economy programme
-  End of programme


Additional functions (buttons)

-  Energy saving
-  Delayed start

Programme symbols

- | | |
|--|---|
|  Daily |  Quick/Glass |
|  Intensive |  Pre-rinsing |

Additional functions/indicators (symbols)

- | | |
|---|--|
|  Energy saving |  Rinse agent refill indicator |
|  «All in 1» detergent |  Salt refill indicator |

Display (digital display)



Various information appears in the display during the programme selection and the programme sequence:

- Delayed start
- Error messages

4 Programme overview

4.1 Programmes



Daily

For normal soiling. Not suitable for burned-on or dried-on soiling.



Quick/Glass

For light soiling, aperitif dishware and coffee cups and saucers. Not suitable for slowly dissolving tabs. Gentle programme for glasses.



Intensive

For heavy soiling as well as pots, pans and gratin dishes with dried- or burned-on soiling. Particularly suitable for starchy soiling (e.g. mashed potato, rice, etc.).



Pre-rinsing

To prevent soiling drying on if intending to start a programme later.



Economy programme

Most efficient programme in terms of water and energy consumption for normally soiled tableware (declaration programme).

4.2 Additional functions



Energy saving

Reduces the wash temperature during cleaning by 5 °C, providing energy savings of about 10% and gentle washing for glassware.



Delayed start

The delayed start allows you to wash during off-peak hours (e.g. at off-peak electricity rates). A delayed start of between 1 and 9 hours can be set. The delayed start duration last entered is shown as a suggestion.

5 User settings

5.1 Adjusting user settings

User settings can only be changed when no programme is running. The procedure is generally the same for all settings.

Changing user settings

- ▶ Hold the **▶|** button depressed for 5 seconds.
 - Display: **E**
- ▶ Press the **▶|** button repeatedly until the required setting (symbol) illuminates.
 - Display: **f** (example)
- ▶ To change, press the **▶▶▶** button.
 - Display: **f** (example)
 - The setting is accepted.

Exiting user settings

- ▶ Press the **▶|** button repeatedly until the display goes out.

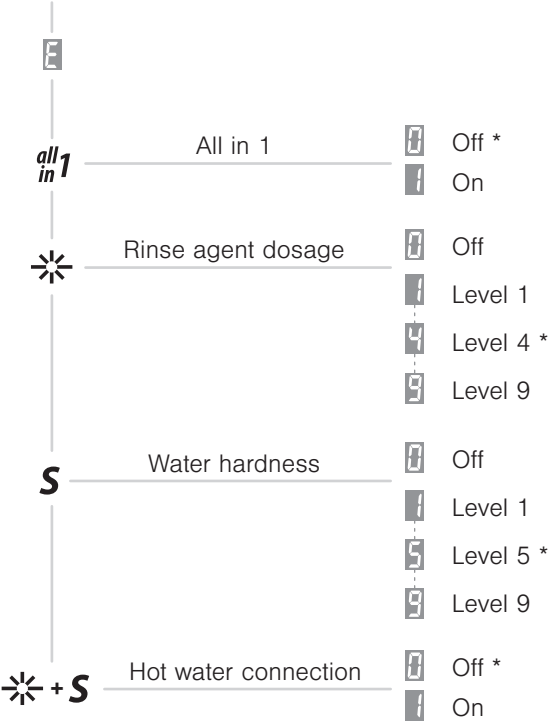


If no button is pressed within about 15 seconds, the user settings are saved and the display goes out.

Possible settings

The following diagram gives an overview of the possible user settings.

Hold the ►| button depressed for 5 seconds.




* Factory setting

5.2 «All in 1» detergent

The «All in 1» setting adapts the programme for use with detergent with integrated salt and rinse agent function in an optimal way.

**all
in 1**




If the S or  refill indicators illuminate, still refill with regeneration salt or rinse agent.

- **all
in 1** products can only be used up to a certain water hardness.
- The duration of very short programmes is extended because **all
in 1** detergent takes longer to dissolve.

Setting for «All in 1» detergent (see page 17)

5.3 Rinse agent dosage

If the drying result is unsatisfactory, then the dosage can be switched off manually ( setting) or set to one of 9 levels.



- If the dishes are still wet or there are water spots, set the dosage to level 6 or higher.
- If the dishes are streaky, set the dosage to level 3.

Setting the rinse agent dosage (see page 17)

5.4 Water hardness

The built-in water softener removes limescale from the water, enabling problem-free cleaning. Automatic regeneration occurs at regular intervals, thus guaranteeing its effectiveness.

After regeneration, the next programme starts by rinsing out the water softener by pumping water through it and draining simultaneously.

For hygiene reasons, regeneration salt is also recommended for use with low water hardness and **all
in 1** detergents.

The water hardness setting should be set to suit local conditions. There are 9 water hardness levels available. It is set at level 5 ex-factory.



For information on the level of water hardness in your area, contact your local water authority.

The water hardness setting can be changed to suit local conditions.



Setting the water hardness (see page 17)



The water softener is deactivated at level .

Levels of water hardness

Possible settings for French (°fH) and German (°dH) degrees of water hardness.

Level	0	1	2	3	4	5 *	6	7	8	9
°fH	0	6	11	16	21	26	31	41	51	71
	–	–	–	–	–	–	–	–	–	–
	5	10	15	20	25	30	40	50	70	120
°dH	0	4	7	10	13	15	17	23	28	39
	–	–	–	–	–	–	–	–	–	–
	3	6	9	12	14	16	22	27	38	65

* Factory setting

5.5 Hot water connection

The available hot water is used optimally.



If the water intake is still too cold, a short pre-rinse is carried out. The cleaning phase with hot water follows. If the additional energy saving function is selected, the water is heated up further electrically to only a minimum temperature, reducing energy consumption further.

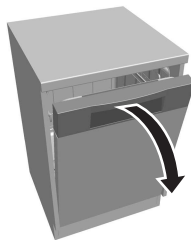
Setting the hot water (see page 17)

6 Operation

6.1 Preparing the appliance

Opening the appliance door

- ▶ Pull the door handle forwards.
 - Any programme that is running will be automatically interrupted.




Before using for the first time

- ▶ Switch the power on.
- ▶ Turn on the water tap.
- ▶ Fill the salt reservoir with approximately 1.0 l water and 1 kg regeneration salt.



For hygiene reasons, regeneration salt is also recommended for use with low water hardness and **all in 1** detergents.

- ▶ Wipe away excess salt on the edge of the salt reservoir.
- ▶ Fill the rinse agent reservoir with rinse agent.
- ▶ Run the  programme without dishes to protect the appliance from corrosion from any excess salt and to remove factory-related grease deposits.



On initial use, the **S** refill indicator can remain illuminated for several wash cycles.

S goes out when the salt concentration in the reservoir is evenly distributed (after about 10 wash cycles).


6.2 Dishwashing tips

Tableware

Not all table- and kitchenware are dishwasher safe.

- Handcrafted objects and wooden or plastic parts that are sensitive to heat or detergent suds should be cleaned by hand.
- The printing on glass and porcelain is hard-wearing only to a point and eventually over time can wear off.
- Pottery has a tendency to crack or chip.
- Objects made of silver, copper and tin have a tendency to discolour, turning brown or black.
- Stress and tension in thick cut crystal glasses and dishes can cause cracking.
- Depending on the type of glassware and the detergent being used, permanent clouding may result. Check with your glassware supplier as to whether your glassware is dishwasher safe.
- Spots tend to form on aluminium. This can affect other items being washed (spots on porcelain). Aluminium should therefore ideally be washed separately.
- Tableware with adhesive labels should not be washed in the dishwasher. The adhesive labels can clog up the filter system.

General note

- To prevent damage to glass and water spots, arrange glasses in such a way that they do not touch.
- Do not overload the baskets.
- Load beverage and food containers such as cups, glasses, pots, etc. with the opening facing downwards so that the water can drain off.
- Save energy, water and detergent by loading the appliance to capacity.
- When washing range hood grease filters use the maximum amount of detergent.
- ▶ Select the  programme.

6.3 Loading the baskets

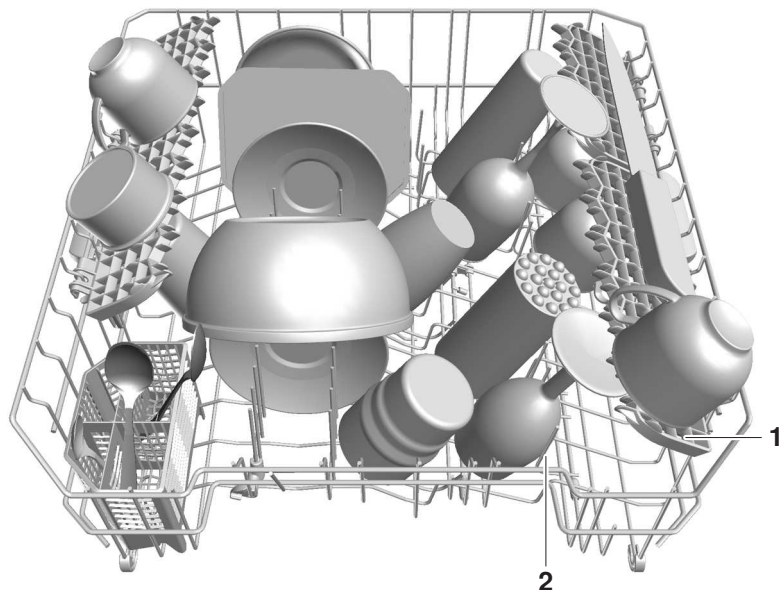


Not all table- and kitchenware are dishwasher safe. Follow the tips and advice in the 'Dishwashing tips' section.

- ▶ Remove any coarse or hard pieces of food or foreign objects left on the dishes.
 - ▶ Make sure no toothpicks get into the appliance. Toothpicks can cause the filter system to become clogged up.
 - ▶ Dishes, pots and pans with heavily burned-on food debris stuck to them should be soaked in water first.
 - ▶ After loading the dishes, check that the spray arms can turn freely.
- In the following you will find some loading tips to help you get the best results from your appliance.

6.4 Loading tips for the upper basket

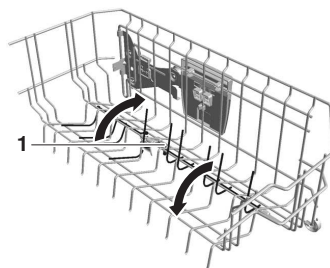
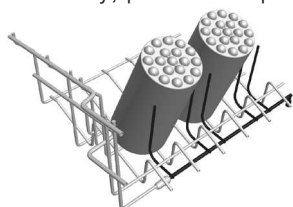
- ▶ Pull the upper basket out as far as it will go and load. Arrange smaller items such as saucers, glasses, cups and dishes.
- ▶ If using the fold-down racks **1**, stagger the items so that the water can reach the dirty surfaces better.
- ▶ Rest glasses on the adjustable glass holder **2**.



Glass holder

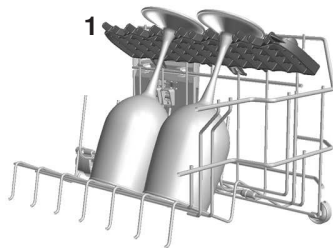
The glass holders **1** are particularly suitable for tall glasses. They can be folded down or up.

- ▶ Push the glass holders gently down or, alternatively, pull them up until they engage.



Racks

The racks **1** can be used as glass holders.

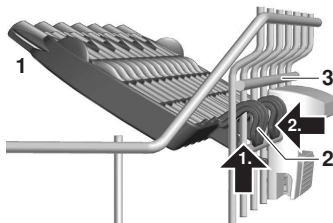


Remove the racks to accommodate tall glasses.

Dismantling/adjusting the height of the racks

The height of the racks is adjustable.

1. Push the rack **1** up by the hooks **2**.
 2. Push the rack inwards and then out.
- Hook the rack in the higher position **3**, if required.

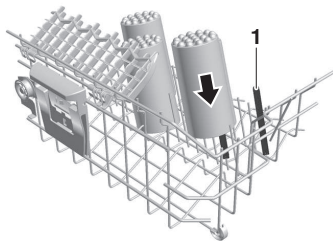


Easy prongs

The easy prongs **1** can be placed over the prongs anywhere in the basket.

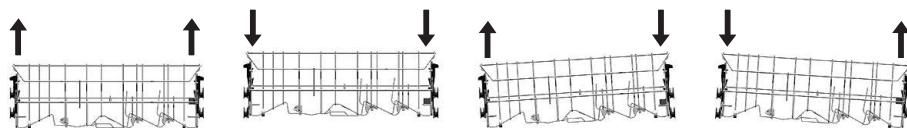
By using the easy prongs, drinking glasses, baby bottles, sports bottles, vases and carafes can be placed anywhere in the basket.

Use 2 easy prongs for wider vessels.



Adjustable upper basket

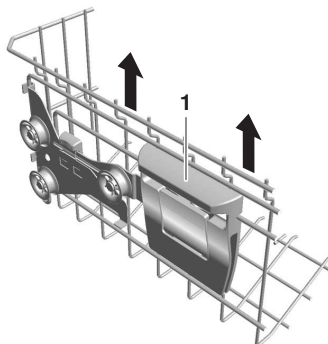
The height of the upper basket can be adjusted to 2 or 3 levels by a total of approximately 2-4 cm.* It can be inclined in various ways.



* Depending on model

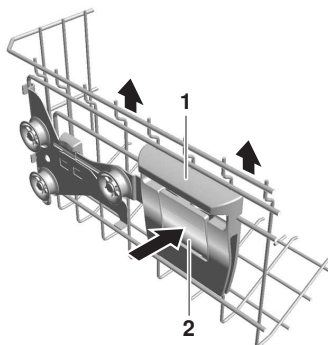
Raising the upper basket

- ▶ Hold the upper basket at the sides by the grips **1** and raise it into the position required.



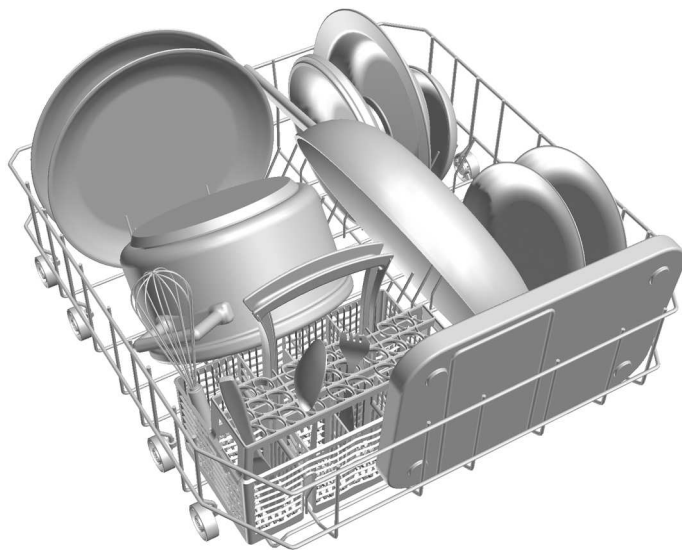
Lowering the upper basket

- ▶ Hold the upper basket at the sides by the grips **1**.
- ▶ Raise the upper basket slightly and press the button **2** at the same time.
 - The locking device is released.
- ▶ Lower the upper basket into the position required, release the button and engage the basket.



6.5 Loading tips for the lower basket

- ▶ Pull the lower basket out as far as it will go and load.
- ▶ Load larger items such as plates, bowls, platters, pots and pans.
- ▶ Load wide dishes (soup plates, lids, etc.) at the back on the right.



Put plastic bowls in the upper basket. If loaded into the lower basket, they could be lifted by the pressure of the water and could come into contact with the revolving spray arm.

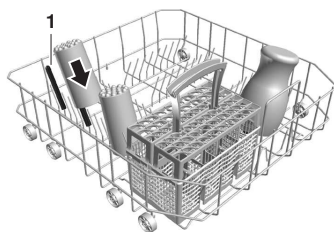
Easy prongs

The easy prongs **1** can be placed over the prongs anywhere in the basket.

By using the easy prongs,

drinking glasses, baby bottles, vases and carafes can be placed anywhere in the basket.

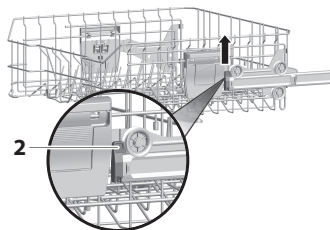
Use 2 easy prongs for wider vessels.



Cleaning baking trays

The upper basket has to be removed for larger baking trays.

- ▶ Slide the upper basket out as far as possible.
- ▶ Remove the basket safety lock **2** by pushing it upwards.
- ▶ Pull the upper basket out of its guides.



When the upper basket is put back, the basket safety lock **2** must be returned to the locking position.

- ▶ Load the baking trays.
 - The easy prongs act as a stable prop.



Cutlery basket *

* Depending on model



To avoid injury, place knives and cutlery with sharp edges or points into the cutlery basket in such a way that they do not stick out (points facing downwards).

Do not insert any knives, forks or other pointed objects into the door lock opening or drop them into the opening. Risk of damage to the appliance.



Knives and cutlery with sharp edges or points may also be placed horizontally in the upper basket.

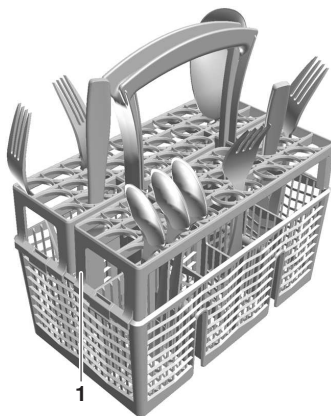
The cutlery basket may be placed over the easy prongs anywhere in the lower basket.

6 Operation

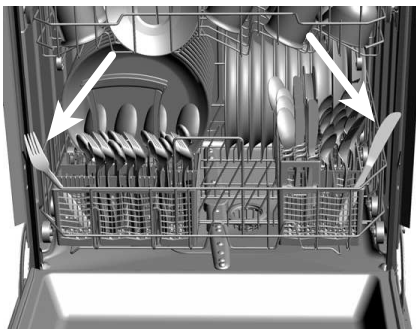
- Put cutlery loosely in the cutlery basket, with handles pointing down. Make sure no spoons are sticking together.

The inserts **1** supplied prevent items of cutlery sticking together, water spots during drying, and smaller items (e.g. mocha spoons) slipping through the basket.

- Fit the inserts to the cutlery basket.



When closing the appliance door, ensure no items of cutlery are sticking out of the tub or are trapped. The leak tightness of the appliance cannot otherwise be assured.



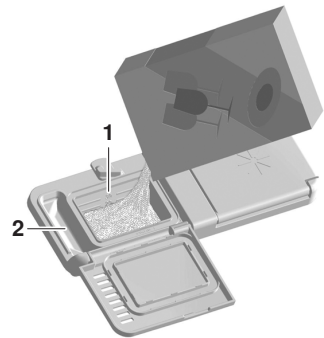
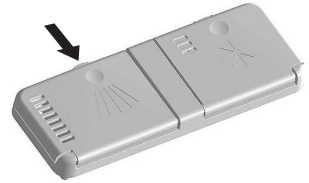
6.6 Adding the detergent



Ensure no cleaning agent gets into the door lock opening.
This can cause the door lock to malfunction.

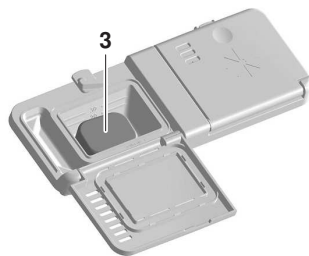
Powder

- ▶ Open the detergent dispenser by pushing the release catch in the direction of the arrow.
- ▶ Add the detergent to the detergent compartment.
- For dosage, follow the detergent manufacturer's instructions.
- Observe the «20 and 30 ml» level marks **1**.
- For heavier soiling, add approximately 1 tablespoon of detergent to the pre-rinsing compartment **2**.
- ▶ Close the cover.



Tabs

- Place the tab **3** flat in the detergent compartment.



Choice of detergent



Do not use washing-up liquid. It can cause excessive foaming, causing your appliance to malfunction.

Follow the dosage instructions printed on the detergent package carefully. Using too high a dosage can cause damage to the appliance.

- Only use detergent specially formulated for dishwashers.
- The detergent manufacturer's advice centre will gladly help with any problems (e.g. detergent dosage).
- Tabs may not dissolve properly at a wash temperature of below 55°C, affecting the cleaning performance of the appliance.

Using combination cleaning products (*all in 1* tabs/powder)

If using combination cleaning products, which should render the use of rinse agent and regeneration salt superfluous, please observe the following tips:

- By setting the user settings for *all in 1* to **1**, the programmes and displays are adapted to suit the detergent.

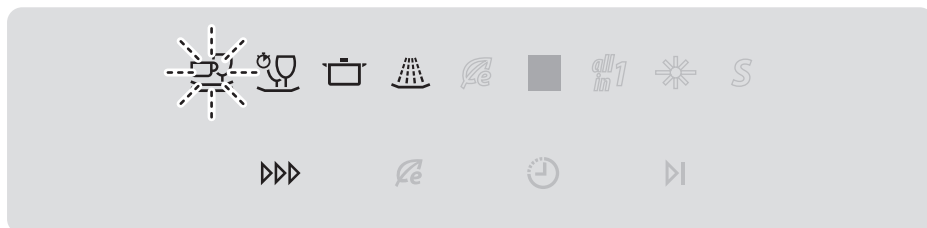


If the **S or  refill indicators illuminate, the regeneration salt or rinse agent should still be refilled.**

- If, after washing and drying, the results are not satisfactory, use conventional cleaning products. Refill the regeneration salt and rinse agent reservoirs. Change the user settings for *all in 1* to **0**. For complaints, please contact the detergent manufacturer.

6.7 Selecting a programme

- ▶ Close the appliance door.
- ▶ Press the **▶▶▶** button repeatedly until the required programme symbol flashes.



- The programme starts in 15 seconds.
- The symbol for the programme selected illuminates and other symbols go out.

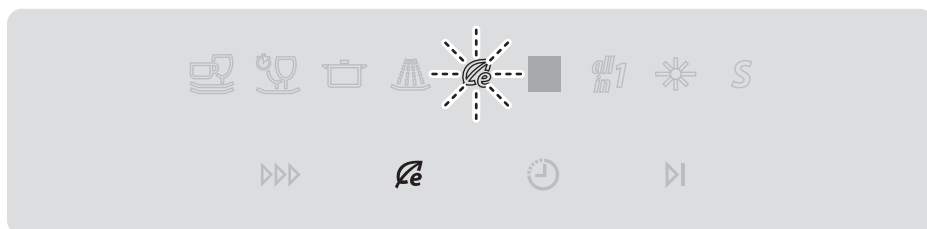


If a programme is selected while the appliance door is open and if this is not closed within 15 seconds, all entries, symbols and the display go out. It is necessary to make a new programme selection.

Press the **▶▶▶** button at any time to cancel the programme selected.

6.8 Selecting the economy programme

- ▶ Close the appliance door.
- ▶ Press the **leaf** button.
 - **leaf** flashes.



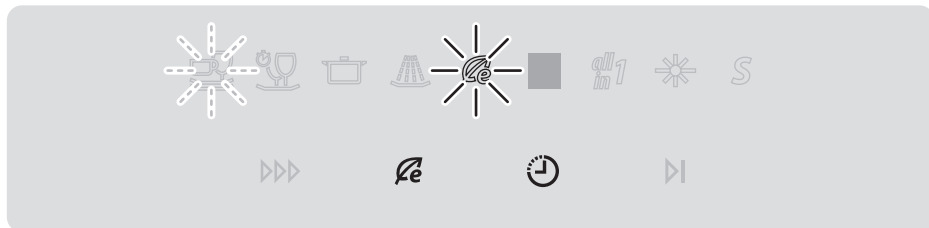
- The programme starts in 15 seconds.
- **leaf** illuminates.

6.9 Selecting additional functions

After selecting a programme, it is possible – within 15 seconds and while the programme symbol is flashing – to select additional functions.



- ▶ Press the additional function button.

-  illuminates (example).



- The programme starts in 15 seconds.



It is not possible to select the additional  function with the  programme.

6.10 Saving additional functions

When an additional function is saved, it is automatically active during programme selection.

- ▶ Select programme.
- ▶ Hold the additional function button depressed for 5 seconds.
 - The selection is saved.

- ▶ Depress the button again for 5 seconds to clear the saved function.



The corresponding symbol flashes briefly to confirm that the additional function has been saved or deselected.

6.11 Delayed start

The delayed start allows you to wash during off-peak hours (e.g. at off-peak electricity rates). A delayed start of between 1 and 9 hours can be set. The delayed start duration last entered is shown as a suggestion.

Setting


- ▶ Close the appliance door.
- ▶ Select a programme and the additional «Delayed start» function.
- ▶ Repeatedly press or hold down the  button until the required delayed start duration appears in the display, e.g.:  (5 seconds).
 - The symbols and the display go dark.
 - The countdown to the set delayed start begins.



Dishes can be loaded at any time during the delayed start.

When the delayed start period is up, the programme selected starts automatically.

Clearing

- ▶ Repeatedly press or hold down the  button until the delayed start is cleared.
 - The programme selected starts.

6.12 Interrupting a programme



The dishes and water may be hot – scalding hazard!

- ▶ Press the **⏮** button.
 - The programme is interrupted for 5 seconds.
- ▶ Open the appliance door carefully.
 - The programme symbol flashes.



When the appliance door is closed – in the case of higher water temperatures – noise from the pump switching on and off up to 5 times with short pauses in between may be heard. During this phase, temperature equalization takes place.

6.13 Aborting a programme




The dishes and water may be hot – scalding hazard!

- ▶ Hold the **⏮** button depressed for 2 seconds.
 - The water is pumped off.
 - Display: **⏮**
 - The display and symbols go out.

6.14 End of programme

At the end of the programme:

- The symbols remain illuminated for about 60 minutes (final drying).
- Display: 
- After final drying, the symbols and the display go out.



For a better drying result, the appliance door should not be opened until the symbols and display go out. After final drying, the appliance enters the energy-saving stand-by mode.

Unloading

- Unload the appliance.



Unload the lower basket first.


- Periodically check the filter system and clean if necessary.

7 Care and maintenance

7.1 Cleaning the interior

Using the correct dosage of detergent will automatically clean the interior of the appliance. We recommend cleaning the appliance twice a year with dishwasher cleaner.



Follow the directions for use for dishwasher cleaner carefully. Most dishwasher cleaners work more effectively at higher temperatures. We therefore recommend using the  programme.

7.2 Cleaning the exterior

- ▶ Do not use abrasive or caustic cleaning agents.
- ▶ Do not use scouring pads, wire wool, etc. - damage to the surface.
- ▶ Remove any soiling or excess cleaning solution immediately.
- Detergent: washing-up liquid, glass cleaner
- ▶ Clean the surfaces with a soft, damp cloth only – for metal surfaces rub in the direction of the polish lines. Wipe dry with a soft cloth.
- ▶ Clean the operating panel with a damp cloth and then wipe dry.
- Detergent: washing-up liquid, glass cleaner
- ▶ From time to time, clean the seal and edges of the appliance door with a soft, damp cloth.

7.3 Cleaning the filter system

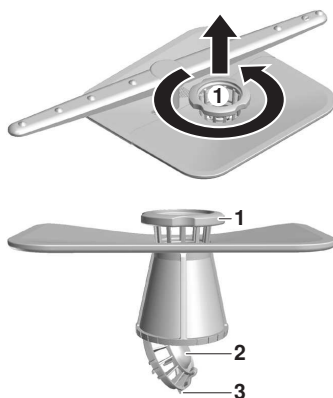


Only use soft materials for cleaning beneath the filter system. Never use metal objects for cleaning.

If inserted incorrectly, the filter system can cause the appliance to malfunction.

A dirty filter system can cause unsatisfactory cleaning results and affect the water outlet. Therefore, periodically check and clean the filter system.

- ▶ Open the appliance door and pull out the lower basket.
- ▶ Release the filter system by turning fine filter grip **1** in an anti-clockwise direction and remove.
- ▶ Open the coarse filter **2** by pressing on closing lug **3** and clean the filter system under running water using a brush.
- ▶ Remove any coarse debris.
- ▶ Replace the filter system and turn the fine filter **1** as far as it will go in a clockwise direction.

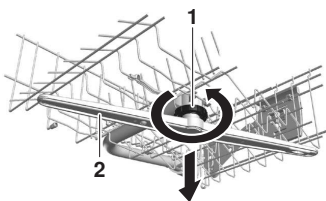


7.4 Cleaning the spray arms

If the cleaning performance is unsatisfactory or if dishwasher detergent is being left behind, then the nozzles in the spray arms may be clogged.

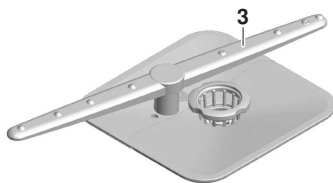
Upper spray arm

- ▶ Remove the upper basket.
- ▶ Release bayonet fastener **1** in an anti-clockwise direction and remove.
- ▶ Remove the spray arm **2** from the shaft and rinse well under running water.
- ▶ Check the nozzles.



Lower spray arm

- ▶ Hold the spray arm **3** in the middle and pull hard upwards.
- ▶ Rinse the spray arm well under running water.
- ▶ Check the nozzles.




Clean the filter system and the coarse filter at the same time. See 'Cleaning the filter system'.

7.5 Filling with regeneration salt



Never fill the salt reservoir with detergent!

When the supply of rinse agent is exhausted, the **S** refill indicator illuminates during programme selection and at the end of the programme.

- ▶ Open the appliance door and pull out or remove the lower basket.
- ▶ Open the cover on the salt reservoir by lifting up the grip.
- ▶ When using for the first time, fill with approximately 1.0 l water. Then fill with 1 kg standard regeneration salt. The drain pump may come on briefly.
- ▶ Wipe away any excess salt around the edge of the salt reservoir.
- ▶ Close the cover by firmly pressing down until it engages.
- ▶ **Run the  programme without dishes to protect the appliance from corrosion from any excess salt.**



On initial use, the **S** refill indicator can remain illuminated for several wash cycles. **S** goes out when the salt concentration in the reservoir is evenly distributed (after approximately 10 wash cycles).

Approximate consumption of regeneration salt

A = Hardness of the water supply





B = Number of wash cycles per kg of salt

A	°fH	0	6	11	16	21	26	31	41	51	71
		–	–	–	–	–	–	–	–	–	–
		5	10	15	20	25	30	40	50	70	120
	°dH	0	4	7	10	13	15	17	23	28	39
		–	–	–	–	–	–	–	–	–	–
		3	6	9	12	14	16	22	27	38	32
B		∞	680	360	250	150	125	90	60	40	20

7.6 Filling with rinse agent




Never fill the rinse agent reservoir with detergent.

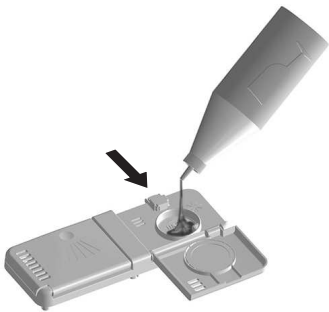
Wipe away any spilt rinse agent (risk of foaming and error messages in which  / ,  /  alternate).

Follow the manufacturer’s safety instructions and warnings.

Rinse agent prevents water spotting after final rinsing (rinsing with rinse agent). The rinse agent is dosed automatically from the reservoir in the appliance door.

When the supply of rinse agent is exhausted, the  refill indicator illuminates during programme selection and at the end of the programme.

- ▶ Open the rinse agent reservoir by pushing the release catch in the direction of the arrow.
- ▶ Fill with rinse agent up to the «max.» mark (1.3 dl suffices for about 35 wash cycles).
- ▶ Close the cover.
- ▶ Wipe away any spilt rinse agent.



7.7 Water inlet filter, cleaning

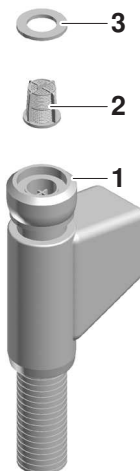


Have the water inlet filter cleaned by experts only. If carried out incorrectly, there is a risk of flooding!

The built-in water inlet filter can become blocked by limescale deposits, rust or foreign objects.

This can cause an error message in which  /  alternate.

- ▶ Turn off the water tap.
- ▶ Loosen the connection **1**.
- ▶ Remove the water inlet filter **2** using pointed pliers and then clean or replace.
- ▶ Clean the seal **3**.
- ▶ Replace the water inlet filter **2** and seal **3**. Tighten the connection **1** on the water tap.
- ▶ Turn on the water tap and check for leaks.



8 Troubleshooting



8.1 What to do if ...

This section lists faults that can be solved simply by following the instructions given. If another fault is displayed or the fault cannot be remedied, please call Customer Services.




Please note down the error message and the serial number (FN) before calling Customer Services.


...  /  alternate

Possible cause	Solution
<ul style="list-style-type: none">▪ High-foaming detergent was used.▪ Spilt rinse agent.▪ Washing-up liquid was used.	<ul style="list-style-type: none">▶ Wipe away spilt rinse agent with a cloth.▶ Get rid of the foam with approximately 1 dl vinegar.▶ Cancel the error message by pressing the  button.▶ Select the  programme.

...  /  alternate

Possible cause	Solution
<ul style="list-style-type: none">▪ Filter system is blocked.▪ Drain hose is bent or kinked.▪ Drain pump or siphon is blocked.▪ Excessive foaming due to rinse agent spillage.	<ul style="list-style-type: none">▶ Clean the filter system.▶ Fix the problem.▶ Cancel the error message by pressing the  button.▶ Restart the programme.



... / alternate

Possible cause	Solution
<ul style="list-style-type: none"> ▪ Water tap is turned off. ▪ Water inlet filter is blocked. ▪ Interruption in water supply. ▪ Water pressure is too low. 	<ul style="list-style-type: none"> ▶ Fix problem or wait until water supply is re-stored. ▶ Cancel the error message by pressing the  button. ▶ Restart the programme.



... / / alternate

Possible cause	Solution
<ul style="list-style-type: none"> ▪ Water intake is hotter than 79 °C (hot water connection). 	<ul style="list-style-type: none"> ▶ Have a plumber reduce the temperature of the water intake.

... / alternate








Possible cause	Solution
<ul style="list-style-type: none"> ▪ Various situations can lead to a «E» message. 	<ul style="list-style-type: none"> ▶ Cancel the error message by pressing the  button. <p>If the error message persists:</p> <ul style="list-style-type: none"> ▶ Switch the power supply off for about 1 minute. ▶ Switch the power supply back on again. ▶ Cancel the error message by pressing the  button. ▶ Restart the programme. ▶ If the error appears again, note down the error message and FN number. ▶ Turn off the water tap and the power supply. ▶ Call Customer Services.

... / alternate

Possible cause	Solution
<ul style="list-style-type: none"> Faulty electrical connection. Overvoltage. 	<ul style="list-style-type: none"> Cancel the error message by pressing the  button. <p>If the error message persists:</p> <ul style="list-style-type: none"> Switch the power supply off for about 1 minute. Switch the power supply back on again. Cancel the error message by pressing the  button. Restart the programme. If the error appears again, note down the error message and FN number. Switch the power supply off. Have the electrical installation checked by an expert.

... the appliance does not start



- ▶ Close the appliance door.
- ▶ Insert the plug into the mains socket.
- ▶ Check the fuse or circuit breaker.

Possible cause	Solution
<ul style="list-style-type: none"> «Demo mode» is switched on. 	<ul style="list-style-type: none"> Open the appliance door. Hold the  and  buttons depressed. Simultaneously press the  button.  appears in the display. Press the  button. <ul style="list-style-type: none">  appears in the display. Press the  button.


... the dishes are not clean

- ▶ Select a more powerful programme.
- ▶ Load the baskets differently, avoiding blind spots.
- ▶ Clean the filter system and re-insert correctly.
- ▶ Check to see whether the spray arms are clogged or dirty.
- ▶ Use the correct amount of detergent or use a different kind of detergent.
- ▶ Check the water hardness setting.
- ▶ Refill the salt reservoir with regeneration salt.


... there is a white film on the dishes

- ▶ Refill the salt reservoir with regeneration salt and then start the  programme without any dishes.
- ▶ Use the correct amount of detergent or use a different kind of detergent.
- ▶ Refill the rinse agent.
- ▶ Increase the rinse agent dosage setting.
- ▶ If not using **all in 1** detergent, «All in 1» to  must be set in the 'User settings'.

... there are streaks or milky spots on the dishes


- ▶ Reduce the rinse agent dosage setting.
- ▶ If not using **all in 1** detergent, «All in 1» to  must be set in the 'User settings'.

... the dishes are wet and dull or have water marks on them

- ▶ Refill the rinse agent.
- ▶ Increase the rinse agent dosage setting.
- ▶ Do not open the appliance door until the end of the programme when the display goes out.
- ▶ If not using **all in 1** detergent, «All in 1» to  must be set in the 'User settings'.

... there are rust stains on the items being washed

The rust stems from another source e.g. the cutlery, pans, water pipe. The appliance is made of rust-free steel.

- ▶ After topping up with regeneration salt, select the  programme without dishes.


... the detergent is not fully dissolved

- ▶ Check to see whether the spray arms are clogged or dirty.
- ▶ Use a different kind of detergent.
- ▶ Check the detergent dispenser cover.

... there is discolouring of the baskets and plastic parts inside the appliance

Dishes were washed that still had discolouring food leftovers on them (e.g. tomato or curry sauce). The discolouration may fade after a few wash cycles.

... an unpleasant smell tends to come from the appliance

- ▶ Clean the filter system.
- ▶ Add detergent and run the  programme.
- ▶ Select a more powerful programme.
- ▶ Add enough regeneration salt.

8.2 Power failure

A power failure causes:

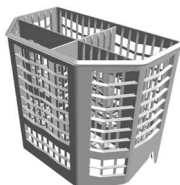
- the programme that is currently running to stop. After the cause of the power supply failure has been resolved, the programme is resumed.
- The fault indication system to be interrupted.

9 Accessories and spare parts

Please give product family of the appliance and exact description of the accessory or spare part when ordering parts.

Accessories

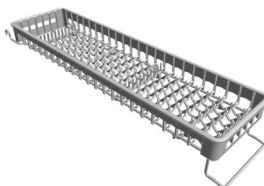
«Small» cutlery basket



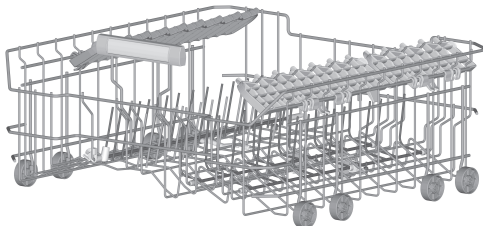
«Large» cutlery basket



Vario cutlery basket insert

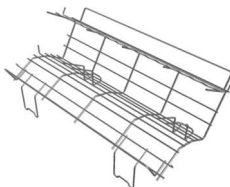


Lower basket for glasses

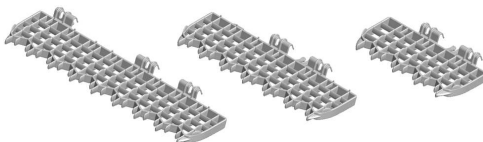


9 Accessories and spare parts

Cup support



Racks

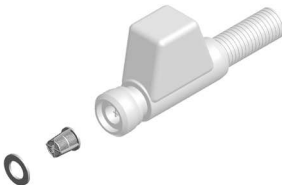


Set of 4 easy prongs

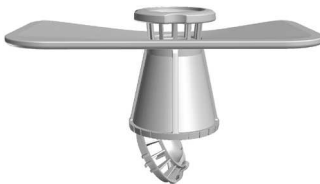


Spare parts

Seal / water inlet filter for Aquastop



Filter system



10 Technical data

10.1 Overview

External dimensions

	SMS 55	SMS 55 Extra height	EURO 60	EURO 60 Extra height
Height (with slide plate) [cm]:	75.9	82.4	75.9	82.4
Height (with adjustable plinth) [cm]:	–	84.5–89.0	78.0–89.8	84.5–96.3
Width [cm]:	54.6	54.6	59.6	59.6
Depth [cm]:	57.2	57.2	57.2	57.2
Weight [kg]:	42	44	42	44

Ambient temperature

Minimum ambient temperature: +10 °C

Plumbing

Cold or hot water up to 60 °C: G $\frac{3}{4}$ "

Permitted pressure of water supply: 0.1–1.0 MPa (1–10 bar)

Max. pumping height: 1.2 m

Electrical connection

► See identification plate

Safety concept

Provided power is going to the appliance, the electronic control unit monitors the appliance. Any malfunction is indicated by error messages.

Overflow protection



In the event of a power failure, the overflow protection system is rendered ineffective. Hence, the water tap should be turned off during longer periods of non-use.

The electronic control unit monitors the water level in the appliance. In the event of a malfunction, the drain pump turns on, stopping the supply of water to the appliance.

10.2 Product fiche

In accordance with regulation (EU) No. 1059/2010			
Brand	-	V-ZUG Ltd	
Model identifier (the first 5 alphanumerics of the serial number (FN))	-	41013 41019 41020 41021 41022 41023	41011 41029 41030 41031 41032 41033
Rated capacity in standard place settings for the standard cleaning cycle	-	12	13
Energy efficiency class	-	A++	
Annual energy consumption ¹⁾	kWh per year	257	260
Energy consumption of the standard cleaning cycle	-	0.91	0.92
Power consumption in off mode and left-on mode	W	0.30/0.30	
Weighted annual water consumption ²⁾	litres per year	2,576	
Drying efficiency class on a scale from G (low efficiency) to A (most efficient).	-	A	
Standard programme ³⁾	-	Eco	
Programme duration for standard cleaning cycle	mins.	185	
Duration of the left-on mode	mins.	0	
Airborne acoustical noise	dB (A)	44	

¹⁾ Annual energy consumption based on 280 standard cleaning cycles using cold water fill and the consumption of the low-power modes. Actual energy consumption will depend on how the appliance is used.

²⁾ Weighted annual water consumption based on 280 standard cleaning cycles. Actual water consumption will depend on how the appliance is used.

³⁾ The standard programme to which the information in the fiche relates. This programme is suitable to clean normally soiled tableware and is the most efficient programme in terms of combined energy and water consumption.

10.3 Consumption data

V = Pre-rinsing

T = Drying

R = Cleaning

D = Duration

Z = Intermediate rinsing

W = Water

G = Rinsing with agent

E = Energy

Programme	V [° C]	R [° C]	Z	G [° C]	T	D *	W [l]	E [kWh]
Daily	Yes	55	Yes	65	Yes	1h15	13	1.20
Quick/Glass	No	45	Yes	60	Quick	0h45	11	0.75
Intensive	Yes	65	Yes	65	Yes	1h40	21	1.40
Pre-rinsing	Yes	No	No	No	No	0h06	4	0.05
Economy programme	No	50	Yes	64	Yes	3h05	9.2	0.91 – 0.92

* Duration without final drying time.

10.4 Note for testing institutes

The note for testing institutes can be obtained from the internet:
www.vzug.com/testinstitute.

10.5 Noise measurement

See the 'Note for testing institutes' section.

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12 Notes

13 Service & Support



The «Troubleshooting» chapter provides valuable information for dealing with minor operating faults. This saves you the time, effort and potential cost of having to call out a service technician.

Information on the V-ZUG warranty can be found at www.vzug.com →Service →Warranty information. Please read this information carefully.

Please register your V-ZUG appliance online immediately at www.vzug.com →Service →Warranty registration. This will allow you to take advantage of the best possible support in the event of an fault in the appliance during the warranty period. You will require the serial number (FN) and appliance designation to complete the registration process. This information can be found on the identification plate for your appliance.

My appliance information:

FN: _____ **Appliance:** _____

Always have this appliance information to hand when you contact V-ZUG. Thank you.

- Open the appliance door.
 - The identification plate is located on the left-hand side on edge of the tub.

Requesting repairs

You can find the telephone number for your nearest V-ZUG service centre at www.vzug.com →Service →Service hotline.

Technical enquiries, accessories, extended warranty

V-ZUG is happy to help with your general administrative and technical enquiries, orders for accessories and spare parts, or information relating to advanced service agreements.

Quick instructions

Please first read the safety precautions in the operating instructions!

- ▶ Open the appliance door.
- ▶ Load the dishes.
- ▶ Add the detergent.
- ▶ Close the appliance door.
- ▶ Select a programme.
- ▶ Select any additional function(s), if required.
- ▶ The programme starts in 15 seconds.
- ▶ When the display goes out, open the appliance door and unload the dishes.



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