Miele

Operating instructions
Dishwasher



To avoid the risk of accidents or damage to the appliance, it is **essential** to read these instructions as well as the installation sheet before it is installed and used for the first time.

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Warning and safety instructions

This dishwasher conforms to current safety requirements. Inappropriate use can, however, lead to personal injury and material damage.

Please observe the installation sheet and read the operating instructions carefully before setting up the dishwasher and using it for the first time. They both contain important information on its installation, safety, use and maintenance. This is to protect yourself from injury and prevent damage to the dishwasher.

In accordance with standard IEC 60335-1, Miele expressly and strongly advises that you read and follow the instructions in the chapter on installing the dishwasher as well as the safety instructions and warnings.
Miele cannot be held liable for damage caused by non-compliance with these instructions.

Keep the installation sheet and the operating instructions in a safe place and pass them on to any future owner.

Appropriate use

▶ This dishwasher is intended for use in domestic households and similar working and residential environments.

▶ This dishwasher is not intended for outdoor use.

▶ This dishwasher is intended for use at altitudes of up to 4000 m above sea level.

▶ This dishwasher must only be used for cleaning domestic crockery and cutlery. All other types of use are not permitted.

▶ The appliance can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, if they are supervised whilst using it, or have been shown how to use it in a safe way and recognise and understand the consequences of incorrect operation.

Safety with children

▶ Children under 8 years of age must be kept away from the dishwasher unless they are constantly supervised.

▶ Children aged 8 and older may only use the dishwasher without supervision if they have been shown how to use it in a safe manner. Children must be able to understand and recognise the possible dangers caused by incorrect operation.

▶ Children must not be allowed to clean or maintain the dishwasher unsupervised.

▶ Children should be supervised in the vicinity of the dishwasher. Never allow children to play with the dishwasher. There is a danger that children might shut themselves in the dishwasher.

▶ If the automatic door opening mechanism is active (depending on the model), keep young children away from the area in which the door opens. There is a danger of injury in the unlikely event of a fault with the opening mechanism.

▶ Danger of suffocation! Whilst playing, children may become entangled in packaging material (such as plastic wrapping) or pull it over their head and risk suffocation. Keep packaging material away from children.

▶ Keep children away from detergents. Detergents cause severe skin burns and severe eye damage. They can cause burning in the mouth and throat, or inhibit breathing. It is therefore important to keep children away from the dishwasher when the door is open. Detergent residues could still be present in the dishwasher. Seek medical advice immediately if a child has swallowed or inhaled any detergents.

Technical safety

▶ Unauthorised installation, maintenance and repairs can cause considerable danger for the user. Installation, maintenance and repairs must only be carried out by a qualified technician.

▶ Damage to the dishwasher can compromise your safety. Before using the dishwasher and in particular following transport, check it for any visible damage. Never use a damaged dishwasher.

▶ The electrical safety of this dishwasher can only be guaranteed when correctly earthed. It is most important that this basic safety requirement is present. If in doubt, the electrical installation should be checked by a qualified electrician.
Miele cannot be held liable for the consequences of an inadequate or lack of earthing system (e.g. electric shock).

▶ Reliable and safe operation of this dishwasher can only be assured if it has been connected to the mains electricity supply.

▶ The dishwasher must only be plugged into the electricity supply via a suitable socket and plug (e.g. a switched socket and fused 3-pin plug in the UK). It must not be hard-wired. The electrical socket must be easily accessible after the dishwasher is installed so that it can be disconnected from the electricity supply at any time.

▶ There must be no electrical sockets behind the dishwasher because the building-in niche may be too small. Danger of overheating and fire risk if the dishwasher were to be pushed up against a plug.

▶ The dishwasher must not be installed underneath a hob. The high temperatures radiated by hobs could damage the dishwasher below. For the same reason, the appliance must not be installed next to open fires or other appliances that give off heat, such as heaters etc., not normally found in a kitchen.

▶ Ensure that the connection data on the dishwasher's data plate (fuse rating, frequency and voltage) match the mains electricity supply. This data must correspond in order to avoid the risk of damage to the dishwasher. Compare these before connecting the appliance to the mains. If in any doubt, consult a qualified electrician.

▶ Do not connect the dishwasher to the mains supply until it has been fully installed and any adjustment has been made to the door springs.

▶ The dishwasher may only be operated if the door opening mechanism is working correctly. Otherwise there could be a risk of danger whilst the automatic door opening mechanism (depending on the model) is active.
To check that the door opening mechanism is working correctly:

- The door springs must be evenly adjusted on both sides. They are correctly adjusted when the door remains stationary when left half open (approx. 45° opening angle). It is also important that the door cannot fall open.
- The door locking pins automatically retract when the door opens at the end of the drying phase.

▶ Multi-socket adapters and extension leads do not guarantee the required safety of the appliance (fire hazard). Do not connect the dishwasher to the mains electricity supply using a multi-socket adapter or an extension lead.

▶ The dishwasher must not be used in a non-stationary location (e.g. on a ship).

▶ Do not install the dishwasher in a room where there is a risk of frost occurring. Frozen hoses are at risk of tearing or bursting. The reliability of the electronic control unit may be impaired at temperatures below freezing point.

▶ To avoid any damage to the dishwasher, it must only be operated when it is connected to a fully vented plumbing system.

▶ The plastic housing of the water connection contains a solenoid valve. The housing must not be dipped in water.

▶ There are live wires in the water inlet hose. Do not cut the hose, even if it is too long.

▶ The integrated Waterproof system offers protection from water damage, provided that the following conditions are met:

- Installation has been carried out correctly
- The dishwasher is properly maintained and parts are replaced where this is noticeably required
- The stopcock is turned off during longer absences from the home (e.g. whilst on holiday).

The Waterproof system will work even when the dishwasher is switched off. However, the dishwasher must remain connected to the electricity supply.

▶ The water-connection pressure needs to be between 50 and 1,000 kPa.

▶ A damaged dishwasher could be dangerous. If the dishwasher gets damaged, switch it off at the mains immediately and call your Miele dealer or Miele Service.

▶ While the appliance is under warranty, repairs should only be undertaken by a Miele authorised service technician. Otherwise the warranty is invalidated.

▶ We recommend replacing defective components with original spare parts. If original Miele spare parts are installed correctly, Miele ensures full compliance with safety requirements and the warranty remains valid.

▶ During installation, maintenance and repair work, the dishwasher must be disconnected from the mains electricity supply (switch it off and withdraw the plug from the socket).

▶ If the connection cable is damaged it must be replaced with a special cable of the same type (available from Miele). For safety reasons this work must be carried out by a Miele authorised service technician only.

Correct installation

▶ The dishwasher must be installed and connected in compliance with the supplied installation sheet.



▶ Be careful before and while installing the dishwasher. Some metal parts pose a risk of injury/being cut. Wear protective gloves.

▶ The dishwasher must be correctly aligned horizontally to ensure problem-free operation.

▶ In order to ensure stability, built-under and integrated dishwashers must only be installed under a continuous worktop that is secured to adjacent cabinetry.

▶ The dishwasher must only be built into a tall unit if additional safety precautions are taken. In order to safely install the appliance in a tall unit, please use the Tall unit installation set and observe the installation sheet provided. Otherwise there is the danger of the unit tipping over.

▶ The door springs must be evenly adjusted on both sides. They are correctly adjusted when the door remains stationary when left half open (approx. 45° opening angle). It is also important that the door cannot fall open.
The appliance must only be operated with properly adjusted door springs.
If the door cannot be adjusted properly, contact the Miele Customer Service Department.

The maximum weight of the front panel that can be aligned with the factory fitted door springs is 10–12 kg (depending on model).

Correct use

▶ Do not use solvents in the dishwasher. Risk of explosion.

▶ Dishwasher detergents can cause burning on the skin and in the eyes, nose, mouth and throat. Avoid contact with detergents. Do not inhale powder detergents. Do not swallow dishwasher detergents. Seek medical attention immediately if detergent has been swallowed or inhaled.

▶ Avoid leaving the dishwasher door open unnecessarily. You could injure yourself on the open door or trip over it.

▶ Do not sit or lean on the open door. The dishwasher could tip over. This could injure you or damage the dishwasher.

▶ Crockery may be very hot at the end of the programme. Allow the dishes to cool until they are comfortable enough to handle before unloading them.

▶ Only use detergent and rinse aid formulated for domestic dishwashers. Do not use washing-up liquid.

▶ Do not use any commercial or industrial detergents. These may cause material damage, and there is a risk of a severe explosive chemical reaction (such as an explosive oxyhydrogen gas reaction).

▶ Do not fill the rinse aid reservoir with powder or liquid detergent. This will cause damage to the reservoir.

▶ Do not fill the AutoDos (depending on model) with powder or liquid detergent. Loose detergent will damage the AutoDos.

▶ Do not fill the salt reservoir with powder or liquid detergent. Detergent will damage the water softener.

▶ Only use special coarse-grained dishwasher salt or other pure kitchen salt for reactivation. Other salts may contain insoluble additives that can impair the functioning of the water softener.

▶ In dishwashers with a cutlery basket (depending on model), knives and forks should be placed with the handles upwards in the basket for safety reasons. Knives and forks placed with the handles downwards pose a danger of injury. However, cutlery placed handle down in the basket will come out cleaner and drier.

▶ Plastic items that cannot withstand being washed in hot water, such as disposable plastic containers or plastic cutlery, should not be cleaned in the dishwasher. The high temperatures in the dishwasher may cause them to melt or lose shape.

▶ If you use the timer option (depending on model), the detergent compartment must be dry. If it is not, wipe it until dry. The detergent will clump together if the detergent compartment is not dry, and this may mean that it is not fully rinsed out.

▶ Please observe the information given in the “Technical data” chapter regarding the capacity of the dishwasher.

Accessories and spare parts

▶ Only use original Miele accessories. If other parts are used, warranty, performance and, if applicable, product liability claims will be invalidated.

▶ Miele will guarantee to supply functional spare parts for 15 years following the discontinuation of your dishwasher.

Transport

▶ Damage to the dishwasher can compromise your safety. Before using the dishwasher, check it for any visible transport damage. Never use a damaged dishwasher.

▶ Only transport the dishwasher in an upright position so that no water flows into the electrical controls, as this would cause faults.

▶ If you wish to transport the dishwasher, empty it and securely fasten all loose parts such as baskets, hoses and cables.

These operating instructions apply to several different dishwasher models of different heights.
The different dishwasher models will be named as follows:
normal = dishwasher measuring 80.5 cm high (built-in appliance) or 84.5 cm high (freestanding appliance)
XXL = dishwasher measuring 84.5 cm high (built-in appliance).

Notes on the layout

Warnings

⚠ Information which is important for safety is highlighted in a thick framed box with a warning symbol. This alerts you to the potential danger of injury to people or damage to property.

Read these warning notes carefully and observe the procedural instructions and codes of practice they describe.

Notes

Notes provide information of particular importance that must be observed.

They are highlighted in a thick framed box.

Additional information and comments

Additional information and comments are highlighted in a box framed with a single black line.

Instructions for the user

Instructions on how to operate the dishwasher are identified by marked operating steps. They explain the procedure step by step.
Operating steps are indicated by a black square bullet point.

Example:
■ Select the desired setting and press *OK* to confirm.

Display

Information given via the dishwasher display appears in a special display font to match the font on the appliance.

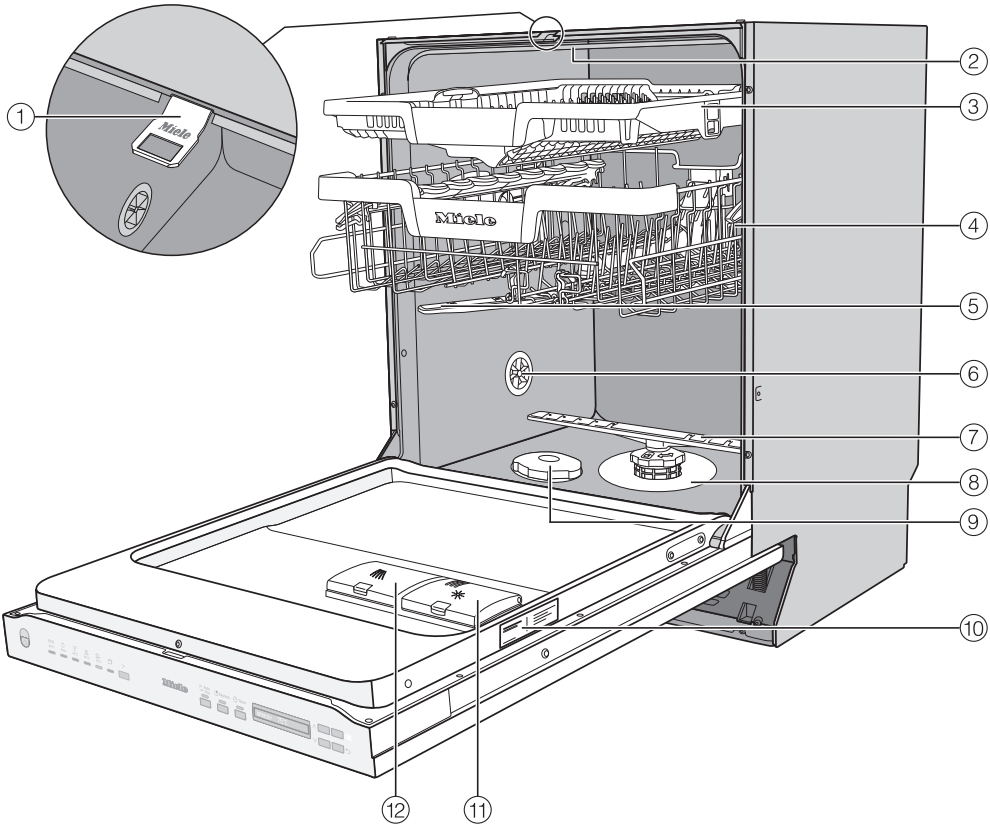
Example:
When the message Close the door appears in the display ....

Scope

The appliance is supplied with:

- Dishwasher
- Operating instructions for operating the dishwasher
- Installation sheet for installing the dishwasher
- Other installation accessories for installing the dishwasher (see installation sheet)
- Funnel for filling the dishwasher salt
- Additional printed matter and add-ons if required

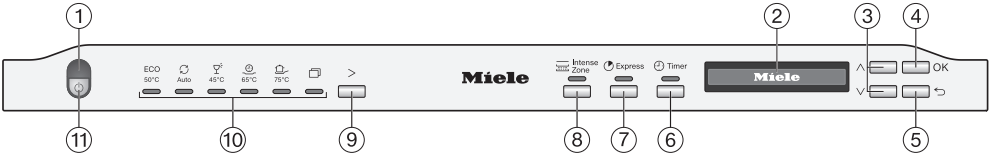
Appliance overview



① Door locking pins
② Top spray arm
③ 3D MultiFlex cutlery tray (depending on model)
④ Upper basket (depending on model)
⑤ Middle spray arm
⑥ Aeration valve
⑦ Bottom spray arm
⑧ Filter combination
⑨ Salt reservoir
⑩ Data plate
⑪ Rinse aid reservoir
⑫ Detergent compartment

Guide to the appliance

Control panel



① Optical in-operation indicator light
For indicating an ongoing wash programme when the door is closed.

② Display
For further information, see “Guide to the appliance” in the “Display functions” section.

③ ∨∧ buttons
For programme selection.
For changing the values displayed.
For scrolling to other menu pages.

④ *OK* button
To select menu options and values displayed.
To confirm messages.

⑤ *Back* button
For navigating back to the previous menu or deleting values that have been set previously.

⑥ *Timer* button
For selecting a later programme start.

⑦ *Express* button
For reducing the programme duration.

⑧ *IntenseZone* button
Increases cleaning performance in the lower basket.

⑨ Programme selection button >
For programme selection.

⑩ Programme selection

ECO 50 °C	= ECO 50 °C
Auto	= Auto 45–65 °C
45 °C	= Gentle 45 °C
65 °C	= QuickPowerWash 65 °C
75 °C	= Intensive 75 °C
	= Further programmes/ settings

⑪ *ON/OFF* button
For switching the dishwasher on and off.

Display functions

The display is used to select or set the following:

- The programme
- The timer
- The Settings

The display can show the following:

- The programme stage
- The estimated time left for the programme to run
- The energy and water consumption (EcoFeedback)
- Any relevant fault messages and information

To save energy, the dishwasher switches off after a few minutes if you do not press any buttons during this time.
Press the ⏻ button to switch the dishwasher back on.

The *OK* button is used to confirm messages or settings and also to move to the next menu or another menu level.

Under *Further programmes/settings*, a scroll bar will appear in the right of the display. This offers further options. These options can be shown using the ∨∧ buttons.

You can alter the dishwasher's controls to suit changing requirements in the Settings menu (see "Settings" chapter).

The option that is selected will have a tick ✓ next to it.

To exit a sub-menu again, press the ⮌ *Back* button.

If you do not press any buttons for several seconds, the display will revert to the previous menu. You may then have to enter your settings again.

Caring for the environment

Disposal of the packing material

The packaging is designed to protect the appliance from damage during transportation. The packaging materials used are selected from materials which are environmentally friendly for disposal and should be recycled.

Recycling the packaging reduces the use of raw materials in the manufacturing process and also reduces the amount of waste in landfill sites.

Disposing of your old appliance

Electrical and electronic appliances often contain valuable materials. They also contain specific materials, compounds and components, which were essential for their correct function and safety. These could be hazardous to human health and to the environment if disposed of with your domestic waste or if handled incorrectly. Please do not, therefore, dispose of your old appliance with your household waste.

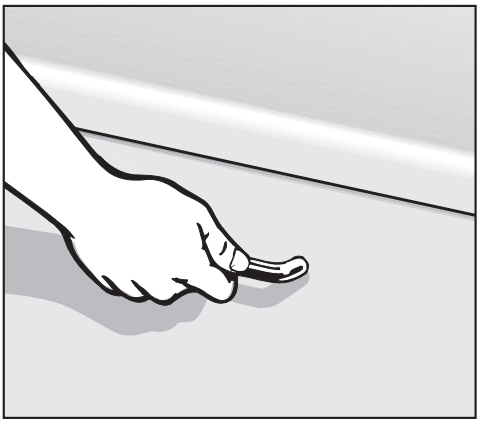


Please dispose of it at your local community waste collection / recycling centre for electrical and electronic appliances, or contact your dealer or Miele for advice. You are also responsible for deleting any personal data that may be stored on the appliance being disposed of. Please ensure that your old appliance poses no risk to children while being stored prior to disposal.

Every dishwasher is tested at the factory. There will be residual water in the appliance from this test. It is not an indication that the dishwasher has been used previously.

Opening the door

In some programmes the door automatically opens slightly to assist the drying process.
This function can be deactivated, if preferred (see “Settings” chapter, “AutoOpen” section).



- Pull the handle to open the door.
- Open the door fully to disengage the locking mechanism.

At the end of the programme, if the AutoOpen function is on, the door locking pins automatically retract.

To prevent a technical fault, do not hold the door locking pins firmly when they are retracting.

If the door is opened during operation all wash functions are automatically interrupted.

⚠ Risk of scalding due to hot water.
During operation, water in the dishwasher may be very hot.
During operation, only open the door with extreme caution.

⚠ Risk of injury due to door opening automatically.
The door may open automatically at the end of a programme.
Keep the area around the door free of obstructions.

Closing the door

- Push the baskets right in.
- Raise the door upwards until the catch engages.

⚠ Risk of crushing due to the door closing.
When closing the door, you are at risk of shutting your fingers in it.
Do not put your hand inside the door as it is closing.

Basic settings

Switching on the dishwasher

- Open the door.
- Switch the dishwasher on with the ⏻ button.

The welcome screen will appear when the dishwasher is switched on.

For further information about the display functionality, see the “Display functions” section in the “Guide to the appliance” chapter.

Setting the language

The display will then change automatically to the screen for setting the language.

- Select the language you want as well as the country, if applicable, using the ∨∧ buttons and confirm with *OK*.

For further information on setting the language, see the “Language” section in the “Settings” chapter.

A tick ✓ will appear next to the language that has been set.

Setting the water hardness level

The display will change to the screen for setting the water hardness.

- You should programme the dishwasher to the correct water hardness for your area.
- Your local water authority will be able to advise you of the water hardness level in your area.
- Where the water hardness fluctuates e.g. between 1.8 and 2.7 mmol/l (10 - 15 °dH - German scale) always programme the dishwasher to the higher value (2.7 mmol/l or 15 °dH in this example).

In the event of a fault, it will help the service technician if you know the hardness of your local water supply.

Therefore, please enter the water hardness:

_____°dH or mmol/l

The dishwasher is programmed at the factory for a water hardness level of 2.5 mmol/l (14 °dH – German scale).

- Set the water hardness level in your area and confirm using *OK*.

See the “Settings” chapter, “Water hardness” section for more information.

Finally, prompts will appear in the display.

After confirming these prompts with *OK*, the messages Refill salt and Refill rinse aid may appear.

- Add salt and rinse aid if necessary (see “Before using for the first time – Dishwasher salt” and “Rinse aid”).
- Select *OK* to confirm the messages.

The programme selected will briefly appear in the display and the indicator light for the programme selected will come on.
Next, the estimated energy and water consumption may be shown for the chosen programme for several seconds.
Then the display will show the estimated running time for the programme selected.

Dishwasher salt

In order to achieve good cleaning results, the dishwasher needs to operate with soft water. Hard water results in the build-up of calcium deposits on crockery and on the wash cabinet walls. Mains water with a water hardness level higher than 0.9 mmol/l (5 °dH – German scale) must be softened. This occurs automatically in the integrated water softener. The water softener is suitable for a water hardness level of up to 12.6 mmol/l (70 °dH – German scale).

In order to maintain the functions of the water softener, it must be reactivated regularly. Reactivation occurs automatically every ninth programme sequence. At the start of the next programme, an additional 4.4 l of water is required for this process. Energy consumption increases by 0.015 kWh and the programme is extended by 3 minutes. The above only applies to the ECO programme at a water hardness of 2.5 mmol/l (14 °dH – German scale). For other programmes and water hardness levels, the frequency of reactivation will differ.

In order to be reactivated, the water softener requires dishwasher salt. Depending on the water hardness level (< 3.8 mmol/l, or < 21 °dH – German scale), dishwasher salt is not required if combination detergents are being used (see “Detergent – Active ingredients”).

If the water in your area is very soft and constantly **lower than 0.9 mmol/l (5 °dH – German scale)** you do **not** need to add dishwasher salt. The salt refill indicator will automatically switch off after the water hardness has been set accordingly (see “Settings – Water hardness”).

⚠ Damage to the water softener from detergent.

Dishwasher detergent will damage the water softener.

Do not fill the salt reservoir with powder or liquid detergent.

⚠ Damage caused by using unsuitable salts.

Some types of salt may contain insoluble components which can cause the water softener to malfunction.

Only use special coarse-grained dishwasher salt or other pure kitchen salt for reactivation.

If you only ever use combination detergent products in your dishwasher, you can switch off both refill reminders if you wish (see “Settings – Refill reminders”).

Please make sure that if you stop using combination detergents, you refill the dishwasher salt and rinse aid. Switch the refill reminders back on if required.

Filling the salt reservoir

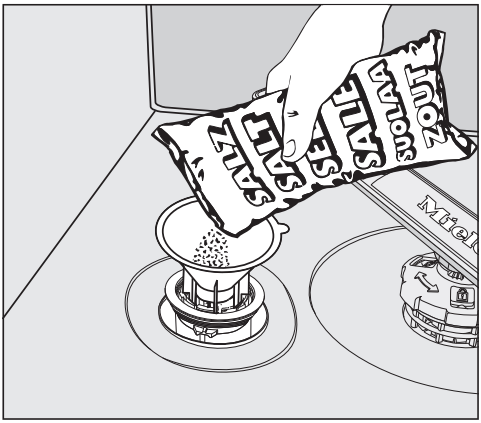
Before filling the salt reservoir for the first time, you must fill it with approx. 2 l of water to enable the salt to dissolve.

Once the dishwasher has been used once, there is always sufficient water in the salt reservoir.

- Remove the lower basket from the wash cabinet and unscrew the salt reservoir cap.

⚠ Danger of corrosion due to saline solution.
Water or saline solution will run out of the reservoir when the cap is opened. Saline solution that runs out can cause corrosion in the wash cabinet and to the dishwasher load.
The salt reservoir should therefore only be opened in order to replenish the salt.

- Fill the salt reservoir with approx. 2 l of water (first use only).



- Place the funnel provided over the salt reservoir and carefully fill with dishwasher salt until the reservoir is full. The salt reservoir holds up to 2 kg of salt, depending on the type of salt used.
- Clean off salt residues from around the salt reservoir opening. Next, screw the salt reservoir cap on again firmly.
- Immediately after filling the salt reservoir and each time you remove the salt container cap, run the 65 °C *QuickPowerWash* programme with the *Express* programme option selected without a load in the dishwasher to dissolve and remove any traces of salt from the wash cabinet.

Refilling the salt

- When ⇄ Refill salt appears in the display, wait until the end of the programme and then refill the salt reservoir.
- Confirm with *OK*.

The salt refill indicator will go out.

⚠ Risk of corrosion due to saline solution.

Saline solution that runs out can cause corrosion in the wash cabinet and to the load items.

Each time you remove the salt reservoir cap, you must run the 65 °C *QuickPowerWash* programme with the *Express* programme option selected without any load items in the dishwasher. This will dissolve and remove any traces of salt from the wash cabinet.

After the salt reservoir has been filled, the salt refill indicator may still appear in the display if the salt concentration has not yet reached the correct level. In this case, confirm the message again with *OK*.

The salt refill indicator will be switched off if you have programmed the dishwasher for a water hardness below 0.9 mmol/l (5 °dH – German scale).

Rinse aid

Rinse aid is necessary to ensure that water does not cling and leave marks on crockery during the drying phase, and helps crockery dry faster after it has been washed.
Rinse aid is poured into the container and the amount set is dispensed automatically.

⚠ Washing-up liquid or detergent can cause damage.
Washing-up liquid and detergent can damage the rinse aid container.
Only fill it with rinse aid formulated for domestic dishwashers.

Alternatively, you could use liquid citric acid at a concentration of up to 10 %. The resulting rinsing and drying quality on the crockery will not, however, be as good as when rinse aid is used.

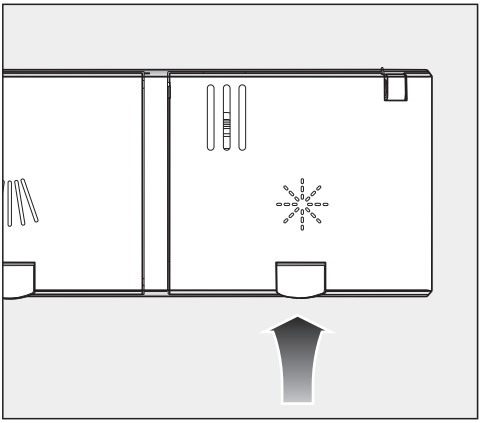
⚠ Risk of acid damage.
The dishwasher can be damaged by high concentrations of acid.
Under no circumstances should you use citric acid with a higher acid content.

If you only ever wish to use combination products in your dishwasher, you do not need to add rinse aid. However, for optimum rinsing and drying results, use dishwasher detergent and add dishwasher salt and rinse aid separately.

If you only ever use combination detergent products containing salt and rinse aid in your dishwasher, you can switch off both refill reminders if you wish (see “Settings – Refill reminders”).

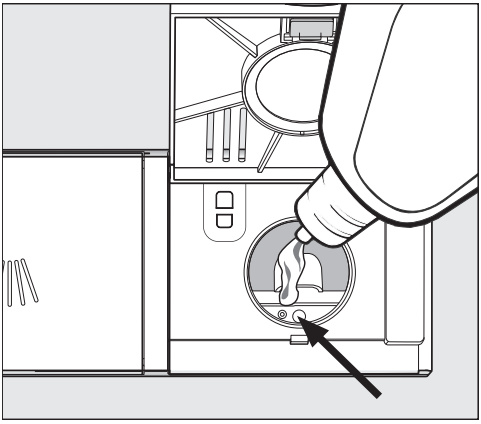
Please make sure that if you stop using combination detergents, you refill the dishwasher salt and rinse aid. Switch the refill reminders back on if required.

Adding rinse aid



- Press the yellow button ✳ on the lid of the rinse aid reservoir.

The lid will spring open.



- Fill with rinse aid until the filling level indicator (arrow) changes to a dark colour while the door is horizontally open.

The rinse aid reservoir holds approximately 110 ml.

- Close the lid firmly until you hear it click into place. Otherwise, water can enter the rinse aid reservoir during a programme.
- Wipe up any spilled rinse aid. This prevents excess foam developing during the next programme.

You can adjust the rinse aid dosage for the best wash result (see “Settings” chapter, “Rinse aid” section).

Filling the rinse aid reservoir

When the refill reminder ✳ Refill rinse aid appears in the display, the reservoir contains sufficient rinse aid for 2 to 3 programmes only.

- Refill with rinse aid in plenty of time.
- Confirm with *OK*.

The rinse aid refill reminder will disappear.

You can alter the dishwasher's controls to suit changing requirements by adjusting the settings.

The settings can be altered at any time.

Opening the settings menu

- Switch the dishwasher on with the ⏻ button if it is switched off.
- Use the programme selection button > to select the Further programmes/settings option ▭.

The first of the further programmes will appear in the display.

- Select the Settings ⚑ menu option using the ∨∧ buttons and confirm with *OK*.

The first option in the Settings menu will appear in the display.

For further information about the display functionality, see the "Display functions" section in the "Guide to the appliance" chapter.

Changing settings

- Use the ∨∧ buttons to select the menu option you want to change and confirm your selection with *OK*.

Sub-menu options that have already been selected will have a tick ✓ beside them.

- Use the ∨∧ buttons to select the setting you want and confirm with *OK*.
- To exit a sub-menu again, use the ⮌ Back button.

The display will revert to the menu above.

Closing the settings menu

- Press the ⮌ button.

The display will change to the ▭ menu.

Language

The display can be set to appear in one of several different languages.

You can change the language used in the display and also the country via the Language sub-menu.

The flag after the word Language serves as a guide if a language that you do not understand has been set. In this case keep selecting the menu option that has a flag after it until you reach the Language sub-menu.

Water hardness

Your dishwasher is fitted with a water softener.

- You should programme the dishwasher to the correct water hardness for your area.
- Your local water authority will be able to advise you of the water hardness level in your area.
- Where the water hardness fluctuates e.g. between 1.8 and 2.7 mmol/l (10–15 °dH - German scale) always programme the dishwasher to the higher value (2.7 mmol/l or 15 °dH in this example).

If the water hardness in your area is available in a unit other than °dH, you can convert the values as follows:
1 °dH = 0.18 mmol/l = 1.78 °fH

Setting the water hardness level

■ Select the water hardness level in your area and confirm using *OK*.

Rinse aid

You can adjust the rinse aid dosage for best results.
The rinse aid dosage can be set from 0 to 6 ml.
3 ml is the factory default setting.

The rinse aid dosage can turn out to be higher than the set value due to the automatic adjustment of the programme.

If spots appear on crockery and glassware:

- Increase the rinse aid dosage.

If clouding or smearing appears on crockery and glassware:

- Decrease the rinse aid dosage.

Consumption (EcoFeedback)

You can set whether the energy and water consumption is displayed for the selected programme. This function shows the estimated consumption before a programme, and the actual consumption after the end of the programme.
In this menu you can also call up the total consumption of energy and water for all the wash programmes you have previously run on your dishwasher (see “Caring for the environment” chapter, “EcoFeedback consumption ”display section).

Display Consumption

- Select the Consumption display menu option and confirm with *OK*.
- Select the setting you want and confirm with *OK*.

Display Total consumption

- Select the Total consumption menu option and confirm with *OK*.
- You can display the values for Energy and Water using the ∨∧ buttons.

You can also reset the values for the total consumption to 0.

- Select the Reset menu option and confirm with *OK*.
- Select the Yes menu option and confirm with *OK*.
- Confirm the message with *OK*.

The values are now reset to 0.

Display brightness

You can set the display brightness to one of seven different levels.

Buzzer

A buzzer sequence will sound at the end of a programme or if there is a fault as long as the buzzers are activated.

The buzzers at the end of a programme and the alarm tone in the event of a fault will sound 4 times at intervals with a short pause between each set.

You can deactivate the buzzer that sounds at the end of a programme if you wish.

The alarm tone that sounds when there is a fault cannot be deactivated.

Refill reminders

If you only ever use combination detergent products or automatic dispensing using Miele PowerDisks (if available), you can switch off the refill reminders for dishwasher salt and rinse aid if you wish.

Please make sure that if you stop using combination detergents, you refill the dishwasher salt and rinse aid. Switch the refill reminders back on.

AutoOpen

In some programmes the door automatically opens slightly to assist the drying process.

This function can be deactivated if you wish.

⚠ Risk of damage due to steam.
Steam from the dishwasher could damage the edges of delicate worktops when you open the door at the end of the programme if the fan is no longer running.
If you have deactivated the automatic door opening function but would still like to open the door at the end of the programme, then make sure that you open the door fully.

Extra clean

You can choose this function to increase the cleaning performance of the programmes.

If you activate this function, the programme durations and the main wash temperatures will increase. The water and energy consumption may increase.

If this function is switched on, it will be applied to all programmes until it is switched off again.

Extra dry

You can select this function in order to increase the programme drying performance.

If you activate this function, the programme durations and final rinse temperatures will increase. The energy consumption may increase.

If this function is switched on, it will be applied to all programmes until it is switched off again.

Software version

You can call up the electronic software version of your dishwasher for technical support purposes.

Showroom

For demonstration purposes only.

The dishwasher is equipped with a demo mode for showroom use.

Factory default

You can reset all dishwasher settings to the factory default settings.

- Select Reset and confirm with *OK*.

Economical dishwashing

This dishwasher is exceptionally economical in its use of water and electricity.
You can make the most of your appliance by following these tips:

- Washing in a dishwasher generally uses less water and energy than washing by hand.
- There is no need to pre-wash items under running water, and this unnecessarily increases water and energy consumption.
- For the most economical dishwashing, make full use of the basket capacity without overloading the dishwasher. This results in the most economical dishwashing in terms of energy and water consumption.
- Choose the programme to suit the type of crockery being washed and the degree of soiling (see “Programme overview”).
- Select the *ECO* programme for energy-saving dishwashing. This programme is the most efficient in terms of its combined energy and water consumption for cleaning crockery with a normal level of soiling.
- Follow the detergent manufacturer’s recommendations on detergent dosage.
- When using powder or liquid detergent, you can use $^{1}/_{3}$ less detergent if the baskets are only half full.
- You can connect the dishwasher to a hot water supply. A hot water connection is particularly suitable with energy-saving water heating sources, such as solar energy with a circulation system.
  If the water is heated by electricity, we would recommend connection to cold water.

EcoFeedback consumption indicator

The Consumption function is used for calling up information about the energy and water consumption of your dishwasher (see “Settings” chapter, “Consumption” section).

The following information can be shown on the display:

- An estimate of the consumption before the programme begins
- The actual consumption at the end of the programme
- The total consumption of the dishwasher

1. Consumption estimate

After a programme has been selected, first the name of the programme and after a few seconds the estimated energy consumption ⊣ and water consumption 💧 will appear in the display.

The estimated consumption will be shown as a bar chart. The more bars that are visible (▮▮▮), the higher the energy or water consumption.

The values are influenced by the programme, any programme options selected, the ambient conditions and the size of the load.

The display will change automatically from showing the estimated consumption to showing the time remaining.

The estimated consumption function is activated as standard. This function can be deactivated, if preferred (see “Settings”, “Consumption” section).

2. Display consumption

At the end of the programme you can call up the actual amount of energy and water used by the programme that has just been run.

■ Confirm the Consumption (OK) message with *OK*.

Switching the dishwasher off at the end of the programme will delete the actual consumption values for the programme that has just been run.

3. Total consumption

You can view the total consumption of energy and water for all previously used programmes of your dishwasher (see “Settings” chapter, “Consumption” section).

General information

Remove coarse food residues from crockery.

There is no need to pre-rinse items under running water.

⚠ Damage can be caused by ash, sand, wax, lubricating grease or paint.
These substances will contaminate the dishwasher and can then no longer be removed.
Do not wash items soiled with these substances in the dishwasher.

Crockery can be loaded anywhere in the baskets, but the following notes should be observed:

- Do not place crockery and cutlery inside other items where they will cover one another.
- Load the crockery so that water can access all surfaces. This ensures that they get properly cleaned.
- Make sure that all items are securely positioned.
- Hollow items such as cups, glasses, pots etc. must be placed upside down in the baskets.
- Tall and narrow hollow items, such as champagne glasses, should be placed in the middle of the basket rather than in the corners. This ensures the hollow items are more easily accessed by the water jets.
- Wide-based items should be placed at an angle so that water can run off them freely.
- The spray arms must not be blocked by items that are too tall or hang through the baskets. Test for free movement by manually rotating the spray arms.
- Make sure that small items cannot fall through the holders in the baskets.
  Small items such as lids should therefore be placed in the 3D MultiFlex tray or cutlery basket (depending on model).

Some foods may contain natural dyes, e.g. carrots, tomatoes or ketchup. These dyes can discolour plastic items in the dishwasher if large quantities of these foods are in contact with the crockery inside the appliance. The stability of plastic items is not affected by this discolouration.
Washing silverware can also cause plastic items to discolour.

Items not suitable for dishwashers:

- Wooden cutlery and crockery or items with wooden parts: these may discolour and fade. The glue used in these items is not dishwasher-proof and wooden handles may come loose after being washed in a dishwasher.
- Craft items, antiques, valuable vases and decorative glassware: such items are not suitable for dishwashers.
- Plastic items that are not heat resistant: the high temperatures in the dishwasher may cause them to melt or lose shape.
- Copper, brass, tin and aluminium items: these may discolour or become dull.
- Colours painted over a glaze: these may fade after a number of washes.
- Delicate glassware and glassware containing lead crystal: clouding may occur over time.

Silver

Silver that has been in contact with foods containing sulphur can discolour. These include egg yolk, onions, mayonnaise, mustard, pulses, fish, fish brine and marinades.
Silverware previously cleaned with a **silver polish** may still be damp or spotted at the end of a programme, where water has not run off smoothly.

Tip: Rub the silver dry with a cloth.

⚠ Damage due to caustic alkaline detergents.
Aluminium parts (e.g. the grease filters of cooker hoods) can be damaged by caustic alkaline detergents. In extreme cases, there is a risk of an explosive chemical reaction (such as an explosive oxyhydrogen gas reaction).
Aluminium components must not be cleaned in the dishwasher with caustic alkaline commercial or industrial detergents.

Tip: When purchasing new crockery and cutlery, make sure they are dishwasher-proof if you want to wash them in the dishwasher.

Glass care

- Clouding may occur on glasses after frequent washing in the dishwasher. When washing delicate glassware in the dishwasher, ensure that only a special glass-care programme with very low temperatures is selected (see “Programme overview”). This will reduce the risk of clouding.
- Purchase glassware that is dishwasher-safe (e.g. Riedel glassware).
- Use detergents with glass protective additives.

Upper basket

See the “Loading the dishwasher” chapter, “Loading examples” section for examples of how to load crockery and cutlery.

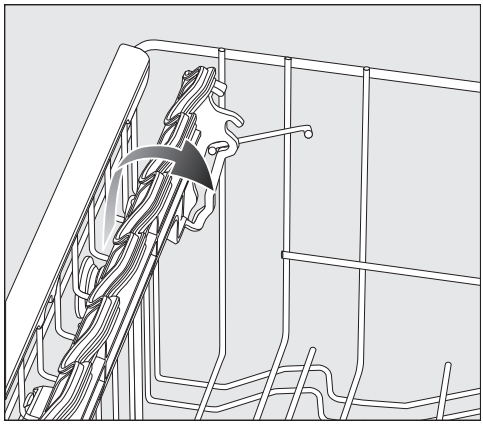
Loading the upper basket

⚠ Damage due to leaking water.
If you run the dishwasher without the upper basket, water can leak out of the dishwasher.
Only run the dishwasher with the upper basket in place (except during the programme Tall items, if available).

- Use the upper basket for small, lightweight and delicate items such as cups, saucers, glasses, dessert bowls etc.
  Shallow pans or casserole dishes can also be placed in the upper basket.
- Long items such as soup ladles and mixing spoons should be placed lying down across the front of the upper basket.

Loading the FlexCare cup rack

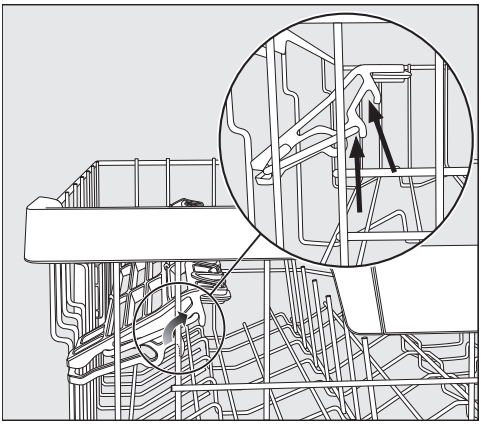
You can put cups, small bowls and flat crockery on the FlexCare cup rack. Glasses can be arranged along the cup rack so they sit securely during the programme.



- Lower the cup rack to do so.
- Raise the cup rack upwards to make room for tall items.

Adjusting the FlexCare cup rack

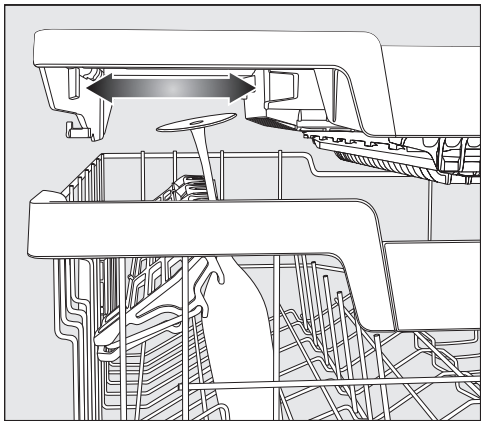
You can set the height and depth of the cup rack at two different levels. so that it can accommodate larger cups and so that taller crockery can be placed underneath it.



- Pull the cup rack upwards and click it into the desired position (see arrow).

Loading the silicone elements of the FlexCare cup rack

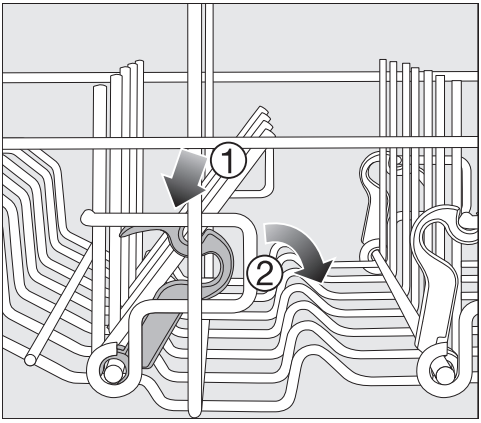
The silicone elements in the cup rack are specially designed to hold tall glasses with long stems securely.



- Lower the cup rack and lean the glasses against the openings.
- If you wish you can adjust the left insert of the 3D MultiFlex tray to make space for taller glasses (see the “Cutlery” chapter, “3D MultiFlex tray” section).

Lowering the spikes

On both front right-hand rows of spikes, you can lower every other spike to make it easier to arrange larger crockery, like cereal bowls.



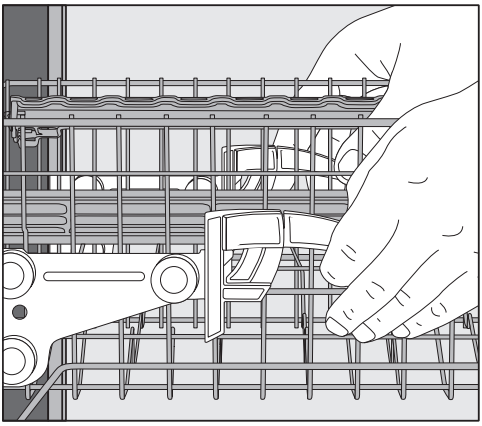
- Press the yellow lever downwards ①, and then lower the dark grey spikes ②.
- Place the bowls vertically in the row of spikes.

Adjust the upper basket

In order to gain more space for taller pieces of crockery in the lower or upper basket, the upper basket can be adjusted on three levels with 2 cm between each level.

The upper basket can also be set at an angle so that water can run off freely from recesses. Make sure, however, that the basket can slide smoothly in and out of the wash cabinet.

- Pull out the upper basket.



To raise the upper basket:

- Lift the basket up until it clicks into place.

To lower the upper basket:

- Pull upwards on the levers at either side of the upper basket.
- Adjust the basket to the desired height and then push the levers securely back down into position.

When adjusting the upper basket, make sure it does not block the middle spray arm.

Lower basket

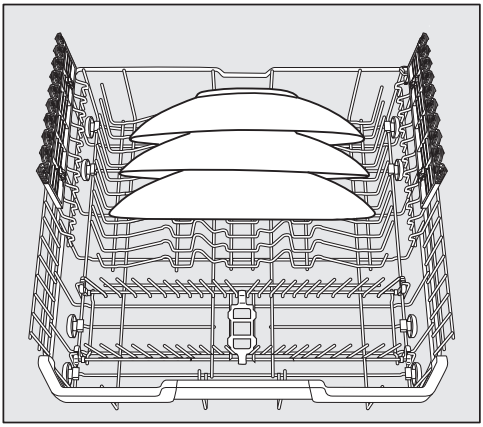
See the “Loading the dishwasher” chapter, “Loading examples” section for examples of how to load crockery and cutlery.

Loading the lower basket

- Place larger and heavier items such as plates, serving platters, sauce-pans, bowls etc., in the lower basket. Glasses, cups and small plates and saucers can also be placed in the lower basket.

Loading the MultiComfort zone

The rear section of the lower basket is used for washing cups, glasses, plates and pots and pans.



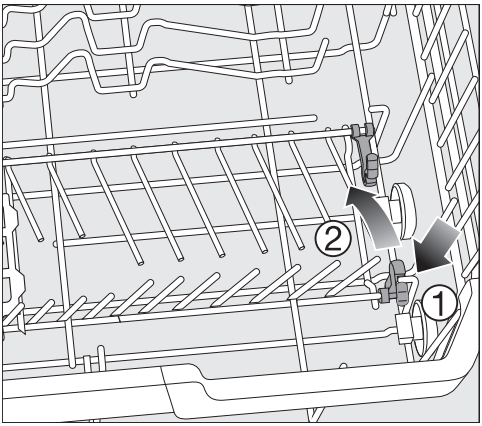
- Place very large plates in the middle of the lower basket.

Tip: When tilted, plates up to 35 cm in diameter can be accommodated.

Lowering the spikes

The rows of spikes at the front are used for loading plates, soup bowls, platters, dessert bowls and saucers.

Both right-hand rows of spikes can be lowered to make more room for large items such as pots, pans and serving dishes.



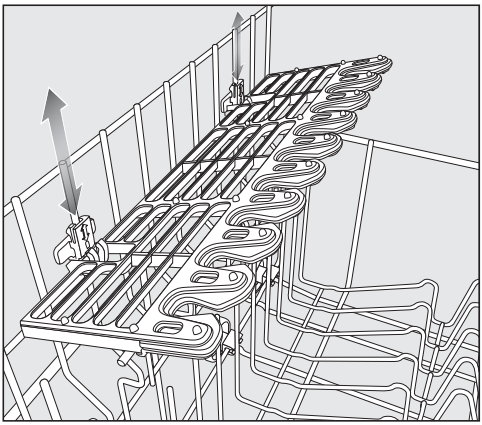
- Press the yellow lever downwards ①, and then lower the rows of spikes ②.

Loading the FlexCare glass holder

The silicone elements in the glass holder provide a stable and secure hold for delicate stemware.

- Stemware such as wine glasses, champagne flutes and beer glasses can be leaned against the glass rack or suspended from it.
- The glass rack can be raised to make more room for tall items.

You can set the glass holder to two different heights.



- Slide the glass holder to the desired height until the catches click into place at the top or the bottom.

Cutlery tray/cutlery basket (depending on model)

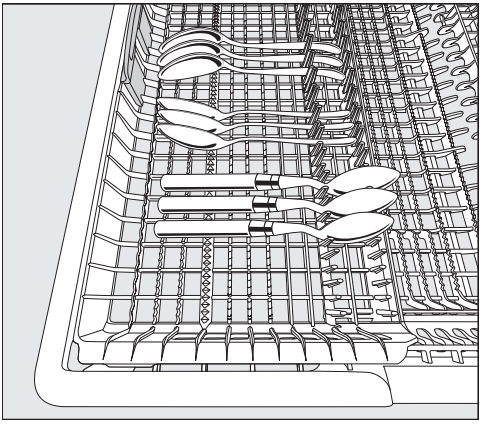
See the “Loading the dishwasher” chapter, “Loading examples” section for examples of how to load crockery and cutlery.

- Load the cutlery into the 3D MultiFlex tray or into the cutlery basket (depending on the model).

Loading the 3D MultiFlex tray

To make unloading easier, cutlery should be grouped in zones, one for knives, one for forks, one for spoons, etc.

Spoon heads should be placed in contact with at least one of the serrated retainers on the base of the tray to ensure that water runs off them freely.



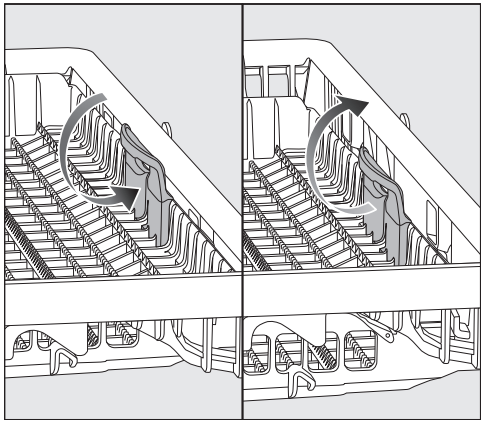
- If spoon handles do not fit between the holders, then lay them the other way round.

You can push the left insert to the middle in order to accommodate tall items of crockery and long stemmed glasses in the upper basket (see “Upper basket” – Loading the silicone elements of the FlexCare cup rack”).

You can put large and long cutlery in the recessed centre part of the tray.

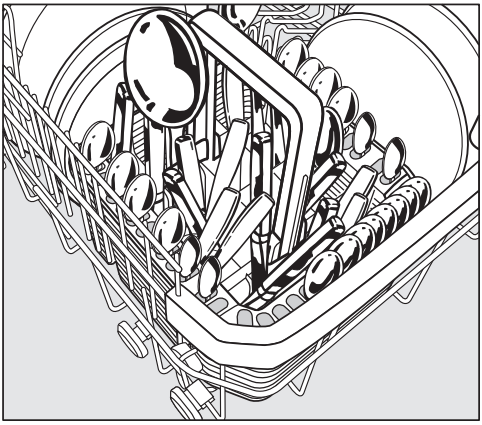
Arrange tall items (such as cake servers) so that they do not block the upper spray arm.

You can adjust the height of the right-hand insert to create more space in the right-hand part of the tray for larger cutlery items or smaller pieces of crockery.



- Pull the insert inwards by the yellow handle and click it into place in one of the two positions.

Loading the cutlery basket

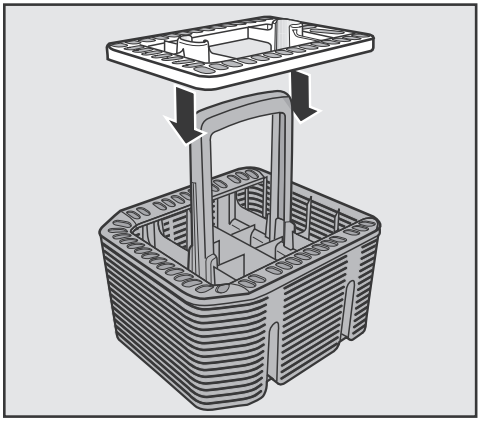


The cutlery basket can be placed anywhere on the front rows of spikes in the left or right corner of the lower basket.

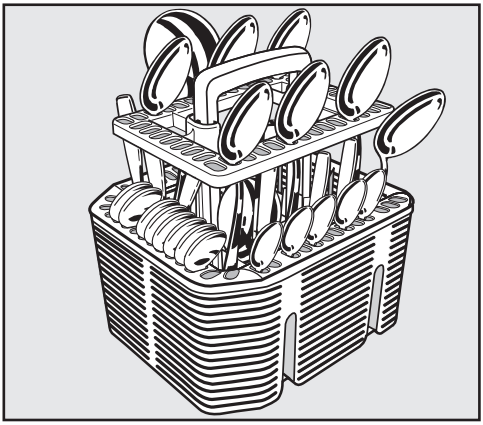
- To avoid the risk of injury, knives and forks should be placed with the handles upwards in the cutlery basket. However, cutlery placed handle down in the cutlery basket will come out cleaner and drier.
- Place small items of cutlery in the individual slots on three sides of the cutlery basket.

Loading the cutlery insert for the cutlery basket

Use the insert supplied for heavily soiled items of cutlery. As this insert separates the items, they do not overlap and can be more easily accessed by the water jets.



- Fit the insert onto the cutlery basket if required.

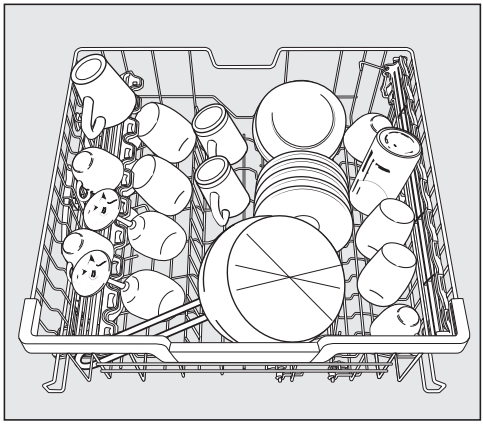


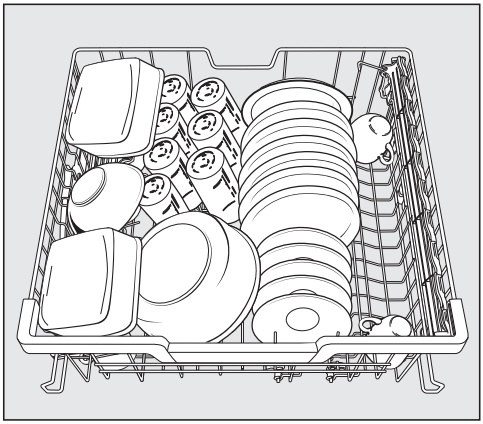
- Place cutlery into the insert with the handles facing downwards.
- Arrange them evenly along the insert.

Loading examples

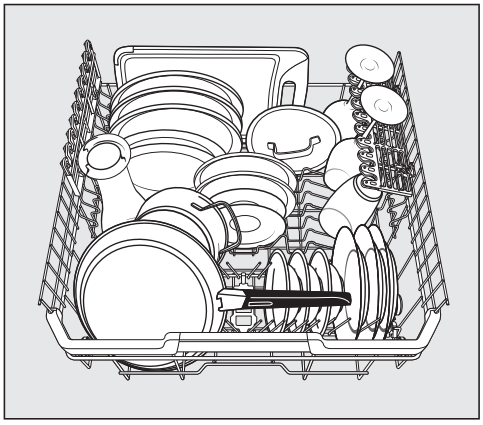
Dishwashers with cutlery tray

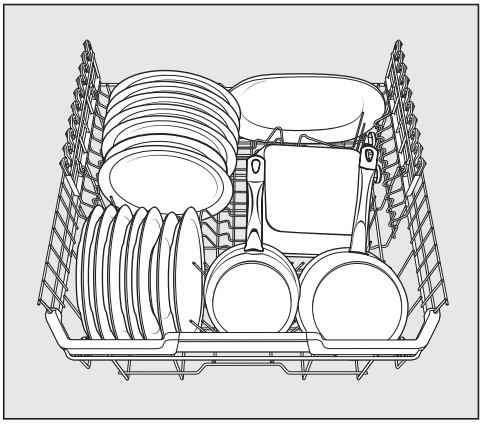
Upper basket



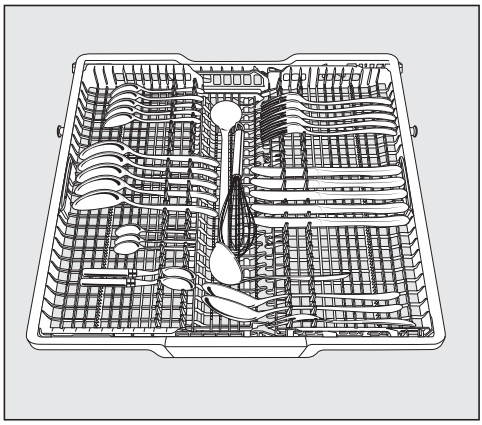


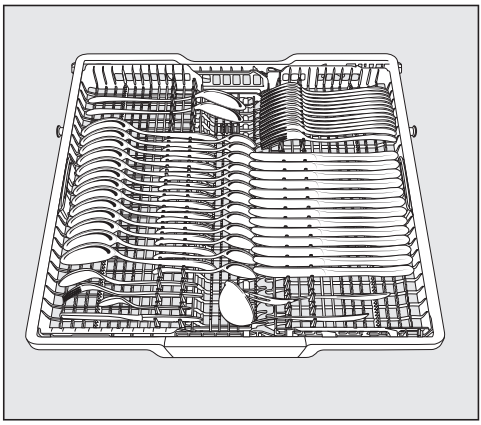
Lower basket



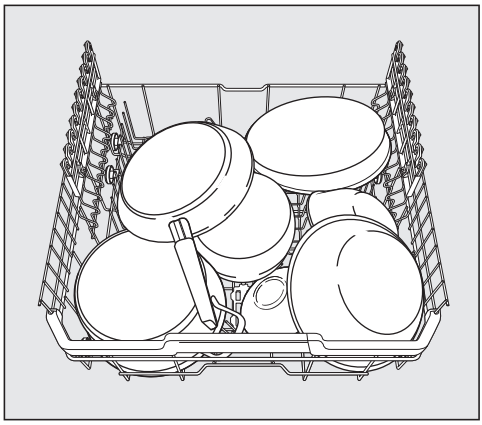


Cutlery tray





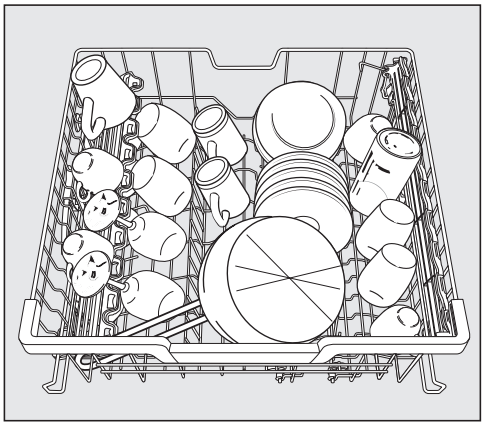
Heavily soiled items

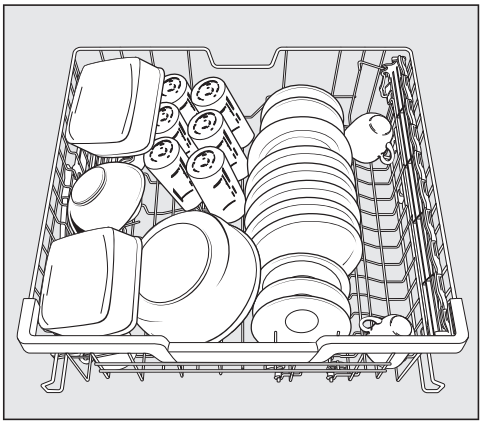


Loading the dishwasher

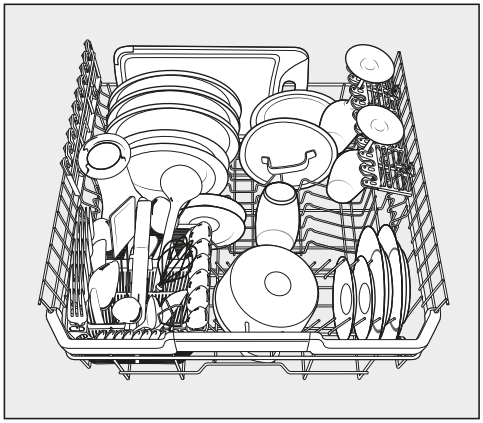
Dishwashers with cutlery basket

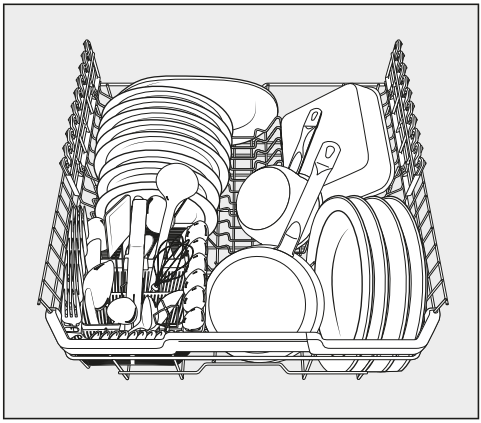
Upper basket



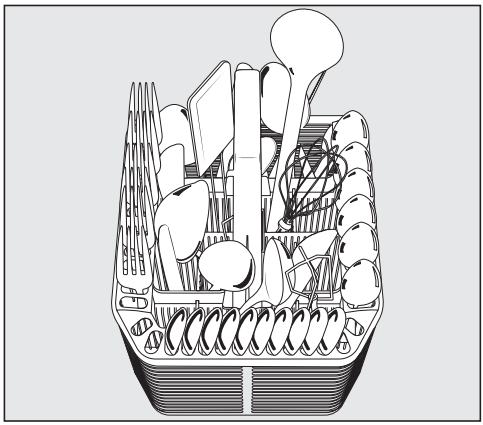


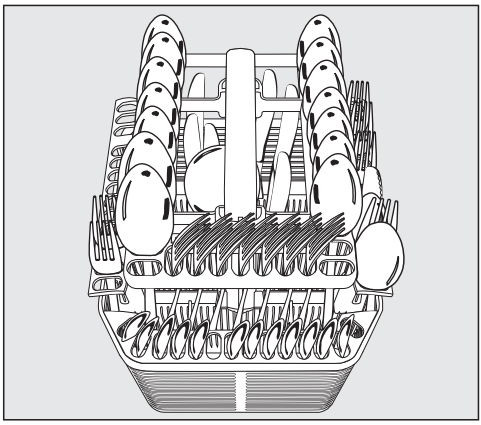
Lower basket



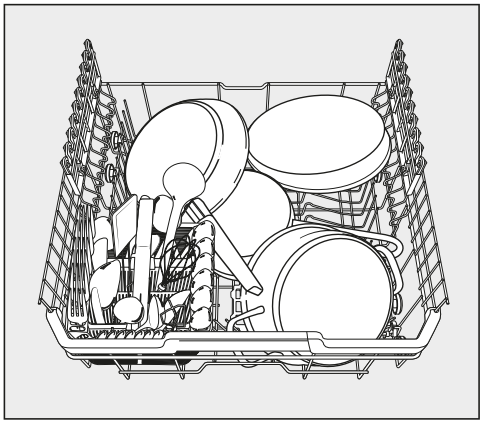


Cutlery basket





Heavily soiled items



Detergent

Active ingredients

⚠ Damage caused by using unsuitable detergents.
Detergents that are not suitable for domestic dishwashers can cause damage to the dishwasher or to the load.
Only use detergents formulated for domestic dishwashers.

Modern detergents contain various active ingredients, the most important of which are:

- Water softening complexing agents to prevent calcification.
- Alkalis to aid removal of dried-on soiling.
- Enzymes to break down starch and loosen protein.
- Oxygen-based bleaching agents to remove coloured stains (e.g. tea, coffee, tomato sauce).

Most dishwasher detergents are mildly alkaline and contain enzymes and oxygen-based bleaching agents.

There are different types of detergent:

- Powder and liquid gel detergents. These detergents allow you to adjust the amount dispensed according to the size of the load and level of soiling.
- Tab detergents. These are suitable for most levels of soiling.

As well as the usual detergents, combination products are also available. These contain rinse aid and water softener (dishwasher salt).
Only use these combination detergents for the water hardness levels recommended by the manufacturer on the packaging.
The cleaning and drying performance of these combination detergents can vary greatly.

For optimum cleaning and drying results, use dishwasher detergent and add salt and rinse aid separately.

⚠ Risk of chemical burns from detergent.

Dishwasher detergents can cause burning on the skin and in the eyes, nose, mouth and throat.

Avoid contact with detergents.
Do not inhale powder detergents. Do not swallow dishwasher detergents. Seek medical attention immediately if detergent has been swallowed or inhaled.

Keep children away from detergents. Detergent residues could still be present in the dishwasher. Keep children away from the dishwasher when the door is open. Do not fill the detergent dispenser until just before starting the programme and activate the door safety lock (depending on model).

Detergent dispensing

The detergent compartment holds a maximum of 50 ml.

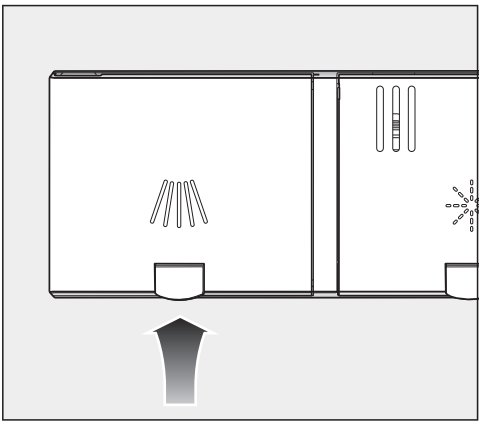
There are marks in the detergent compartment to aid with dispensing: 20, 30, max. When the door is opened to a horizontal position, they show the approximate fill level in ml and the maximum fill height.

- Follow the detergent dosage recommended by the manufacturer on the packaging.
- Unless directed otherwise, use one detergent tab or add 20 to 30 ml of detergent to the detergent compartment, depending on the degree of soiling of the crockery.

Failure to dispense the recommended amount of detergent may impair cleaning results.

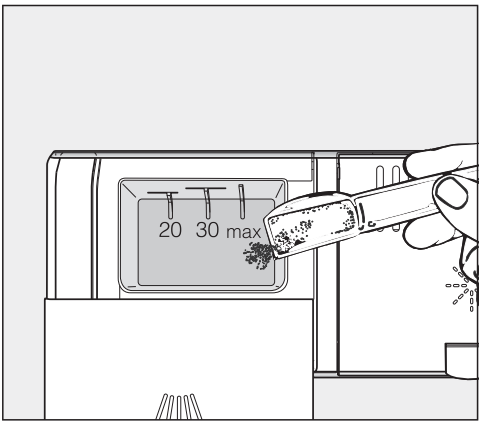
Some tabs may not dissolve completely when the programme *QuickPowerWash* is used.

Adding detergent



- Press the yellow button /\\\ on the lid of the detergent compartment.

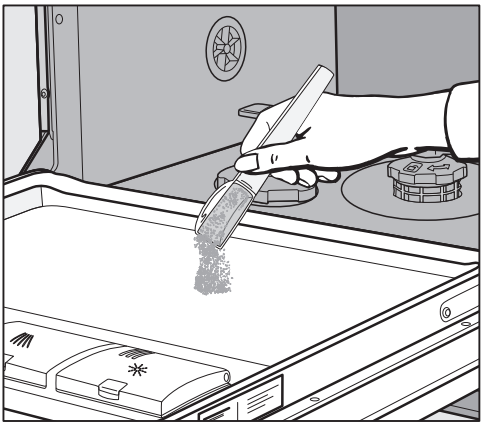
The lid will spring open.
The lid will also open at the end of a programme sequence.



- Add the detergent to the detergent compartment.
- Push the lid shut until you hear it click into place.

The detergent must not cause the detergent compartment lid to get stuck. This can prevent the lid from opening during the programme sequence.
Do not overfill the detergent compartment.

- Ensure that the detergent packaging is properly closed after use. This prevents the detergent from getting damp and clumping together.



- You can also apply a small amount of detergent to the inner panel of the door in programmes that have a prewash stage (see “Programme overview”).

Switching on the dishwasher

- Open the stopcock, if it is closed.
- Open the door.
- Make sure the spray arms can rotate freely.
- Press the ⏻ button.

The programme selected will briefly appear in the display and the indicator light for the programme selected will come on.
Next, the estimated energy and water consumption may be shown for the chosen programme for several seconds.
Then the display will show the estimated duration for the selected programme.

Selecting a programme

Choose your programme according to the type of crockery and the degree of soiling.

The different programmes and their uses are described under **“Programme overview”**.

- Use the programme selection button > to select the programme you want.

The indicator light for the programme selected will come on.

Further programmes can be selected under ⧉.

- Use the programme selection button > to select the ⧉ option.

The first of the further programmes will appear in the display.

- Use the ∨∧ buttons to select the programme you want from the display.

You can now select programme options (see “Programme options”).

If any programme options are selected, the appropriate indicator lights will also light up.

Display of programme duration

The estimated duration of the selected programme appears on the display before the programme begins. If the door is opened during the programme, the time left until the end of the programme is displayed.

Symbols appear to indicate which stage the programme is at:

- Pre-wash/Soak
- Main wash
- Interim rinse
- Final rinse
- Drying
- End

The displayed duration may vary for the same programme. It is influenced by, for example, the temperature of the incoming water, the reactivation cycle of the water softener, the detergent type and the amount of dishes and how soiled they are.

When a programme is selected for the first time, the display will show the average programme duration for a cold water connection.

The programme durations shown in the “Programme overview” chapter refer to standard test loads and temperatures.

Each time a programme is run, the control module calculates the programme duration according to the temperature of the water taken into the dishwasher and the size of the load.

Starting the programme

- Start the programme by closing the door.
  If necessary, confirm the previously displayed message with *OK*.

The optical in-operation indicator light comes on to show that a programme sequence has been started.

During a programme sequence, you can use *OK* to display the name of the programme that is currently running when the door is open.

⚠ Risk of scalding due to hot water.

During operation, water in the dishwasher may be very hot.

During operation, only open the door with extreme caution.

End of programme

At the end of a programme, the optical in-operation indicator light will flash slowly with the door shut. The buzzer might also sound.

The optical in-operation indicator light will go out 10 minutes after the end of the programme if the door is closed.

The programme has ended when the display shows the message Finished.

In some programmes, if the AutoOpen function is activated, the door will automatically open slightly (see “Settings” chapter, “AutoOpen” section). This improves the drying process.

If the Consumption programmable function is switched on, you can now call up the actual energy and water consumption of the programme that has just finished (see “Caring for the environment” chapter, “EcoFeedback consumption indicator” section).

The drying fan may continue to run for a few minutes at the end of the programme.

⚠ Risk of damage due to steam.
Steam from the dishwasher could damage the edges of delicate worktops when you open the door at the end of the programme if the fan is no longer running.
If you have deactivated the automatic door opening function (see “Settings” chapter, “AutoOpen” section), but would still like to open the door at the end of the programme, then make sure that you open the door fully.

Energy management

To save energy, the dishwasher will switch off automatically 10 minutes after the last time a button is pressed or after the end of a programme.

You can switch the dishwasher back on again with the ⏻ button.

The dishwasher will not switch itself off whilst a programme is running or if there is a fault.

Switching off the dishwasher

- Open the door.
- The dishwasher can be switched off at any time using the ⏻ button.
- Confirm the query Switch off with *OK*.

Switching the dishwasher off during a programme stops the programme.

You can also do this to stop an ongoing timer.

- If you have pressed the ⏻ button, but in fact do not wish to cancel the programme, use the ∨ button to select the Do not switch off option on the display and confirm with *OK*.

⚠ Risk of damage from leaking water.
Water leakage can cause damage.
If the dishwasher is not going to be used for a longer period of time, e.g. whilst on holiday, the stopcock should be closed as a precaution.

Unloading the dishwasher

Dishes tend to break and chip more easily when they are hot. Allow the dishes to cool until they are comfortable enough to handle before unloading them.

If you open the door fully after switching off, the dishes will cool much faster.

- First unload the lower basket, then the upper basket and finally the 3D MultiFlex tray (if present).
  This will prevent water drops from the upper basket and 3D MultiFlex tray from falling onto the dishes in the lower basket.

Interrupting a programme

A programme will be interrupted as soon as the door is opened.
If the door is closed again, the programme will continue from the point it was at before the door was opened.

⚠ Risk of scalding due to hot water.
During operation, water in the dishwasher may be very hot.
During operation, only open the door with extreme caution.

Cancelling or changing a programme

If a programme is cancelled, important programme stages may be missed.
A programme should only be cancelled in the first few minutes of the programme cycle.

If a programme has already started and you wish to cancel it, proceed as follows:

- Open the door.
- Switch the dishwasher off with the ⏻ button.
- Confirm the query Switch off with *OK*.

If you would like to select another programme:

- Switch the dishwasher on again with the ⏻ button.
- If you have dispensed detergent manually, check whether the detergent compartment is still closed.
  If the lid is already open, fill it with detergent again and close the lid.
- Select the programme you want, and then start it by shutting the door.

The optical in-operation indicator light comes on to show that a programme cycle has been started.

Timer

You can set the start time of a programme. The programme start time can be delayed for between 30 minutes and 24 hours.
With start time delays between 30 minutes and 9 hours 30 minutes, the delay can be set in 30 minute stages. It is set in hours for periods longer than this.

With manual detergent dispensing, the detergent will clump together if the detergent compartment is not dry and this may mean it is not fully rinsed out.
When using the timer function, make sure that the detergent compartment is dry before adding detergent. Wipe dry with a cloth first, if necessary.
Do not use any liquid detergents. These can leak out.

⚠ Danger to health due to detergent.
To prevent children coming into contact with dishwasher detergent:
Do not fill the detergent dispenser **until just before starting the programme**, i.e. before you activate the timer.

Activating the timer

- Open the door.
- Switch the dishwasher on with the ⏻ button.
- Select the programme you want to use.
- Press the *Timer* button.

The most recently set “Start in” time will be shown on the display. The *Timer* indicator light will light up.

- Set the required time after which the programme should start automatically using the ∨∧ buttons.

Pressing and holding buttons ∨ or ∧ will automatically adjust the time.

- Confirm with *OK*.
- Close the door.

After you have activated the timer, all the displays will switch off after a few minutes to save energy.

Press the ⏻ button to switch the display back on again for a few minutes.

- Open the door if you need to check how long the timer has left to run.

The time up until the programme starts will show counting down in the display in hours for durations above 10 hours, and in minutes for durations below this.

At the end of the delay period, the programme selected begins automatically. The time left will appear in the display and the 🕘 *Timer* indicator light will go out.

How the time for the timer is shown in the display:

Up to 59 minutes:
e.g. 30 minutes = *0:30*

1 hour up to 9 hours 30 minutes:
e.g. 5 hours = *5:00*

Over 10 hours:
e.g. 15 hours = *15*

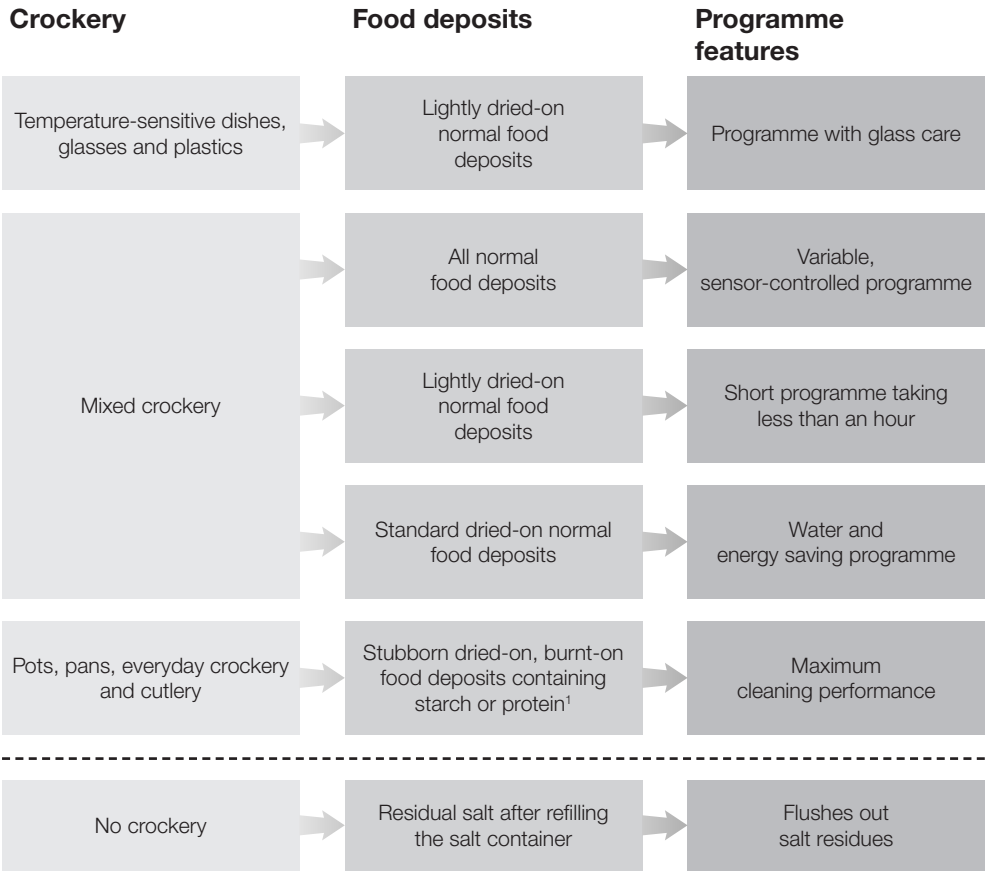
Starting a programme before the time for the timer has elapsed:

A programme can be started before the time for the timer has elapsed.
Proceed as follows:

- Open the door.
- Switch the dishwasher off with the ⏻ button.
- Switch the dishwasher on again with the ⏻ button.
- Select the programme you want.
- Start the programme by closing the door.

The optical in-operation indicator light comes on to show that a programme sequence has been started.

Guide for selecting a programme



[1] Food such as potatoes, pasta, rice or stews can leave starchy deposits. Deposits containing protein can be left by food such as fried meat or fish.

Programme[2]	Consumption estimate[3]
Gentle 45 °C	Energy consumption, Water consumption, Programme duration
Auto 45–65 °C	Energy consumption, Water consumption, Programme duration
QuickPowerWash 65 °C	Energy consumption, Water consumption, Programme duration
ECO 50 °C	Energy consumption, Water consumption, Programme duration
Intensive 75 °C	Energy consumption, Water consumption, Programme duration
QuickPowerWash 65 °C + Express	Programme duration 13 minutes, no heating up, solely for flushing out salt.

[2] The programmes can be combined with the “Express” or “IntenseZone” programme options (see the “Programme options” chapter).
You can also select the “Extra clean” and “Extra dry” functions (see the “Settings” chapter).

[3] The estimated values may change due to the selected settings or programme options, or the conditions in which the appliance is being used.

Programme overview

Programme	Programme sequence				
	Pre-wash	Main wash °C	Interim rinse	Final rinse °C	Drying/ AutoOpen
ECO 50 °C[1]	-	50	✓	44	✓ / ✓
Auto 45–65 °C	Variable programme sequence, sensor-controlled adjustment according to load size and level of soiling				
	As required	45–65	As required	55–70	✓ / ✓
Intensive 75 °C	✓	75	✓	55–70	✓ / ✓
QuickPowerWash 65 °C	-	65	✓	65	✓ / ✓
Gentle 45 °C	✓	45	✓	55–70	✓ / ✓
PowerWash 60 °C	✓	60	✓	55–70	✓ / ✓
ExtraQuiet 55 °C	-	55	✓	55–70	✓ / ✓
Maintenance wash	-	75	✓✓	70	✓ / ✓

[1] This programme is the most efficient in terms of its combined energy and water consumption for cleaning normally soiled crockery.

Consumption[2]				
Electrical energy		Water	Time	
Cold water 15 °C kWh	Hot water 60 °C kWh	Litres	Cold water 15 °C h:min	Hot water 60 °C h:min
0.75/0.74[3,4] 0.74/0.73[3,5]	0.52/0.51[3]	8.9	3:58/3:58[3,4] 3:58/3:58[3,5]	3:41
0.75–1.05[6,7]	0.45–0.55[6,7]	6.0–13.0[6,7]	2:05–3:35	1:57–3:21
1.35	0.85	14.0	3:11	3:03
1.20	0.75	10.5	0:58	0:58
0.90	0.40	13.0	2:44	2:28
1.00	0.50	13.0	2:24	2:12
0.95	0.60	9.5	3:59	3:50
1.75	1.00	19.0	2:09	1:47

[2] Values for the *ECO* programme were calculated under standardised testing conditions. Values for the remaining programmes were calculated under comparable testing conditions.
In practice, the selected settings, programme options or operating conditions may result in different values.

[3] Dishwashers with cutlery tray/cutlery basket

[4] Values according to EU 1059/2010

[5] Values according to EU 2019/2017

[6] Minimum value: half load with light soiling

[7] Maximum value: full load with heavy soiling

Further programmes

PowerWash 60 °C

Programme for cleaning a mixed load with normal household food residues.

ExtraQuiet 55 °C

Very quiet programme with longer duration. This programme is suitable for a mixed load with normal household food residues that have dried on slightly.

Maintenance programme

The dishwasher wash cabinet is generally self-cleaning. However, if residues or deposits occur, use the Maintenance programme to clean it. The dishwasher must not be loaded for this programme. This programme is designed for cleaning the wash cabinet using care products (dishwasher cleaner/ dishwasher conditioner) (see “Optional accessories” chapter, “Appliance care” section). Follow the instructions on the packaging. When using dishwasher care products, detergent should not be dispensed. For this reason, automatic dispensing (if available) will be deactivated for this programme.

Selecting programme options

You can use programme options to adjust the programmes.

To do this, you can select or deselect the programme options before running the programme.

- Open the door.
- Switch the dishwasher on with the ⏻ button.

The indicator light next to the programme selected will come on.

- Select a different programme if required.
- Press the button for the programme option you want.

The indicator light will come on for the relevant button if the programme option is available for the programme selected.

If the programme option is not compatible with the selected programme, a message to this effect will appear in the display.

- In this instance, confirm the message with *OK*.
- Start the programme by closing the door.

The selected programme option will remain active for that particular programme until the setting is changed (except for the *ECO* programme).

Express ◔

The ◔ *Express* programme option reduces the programme duration.

In order to achieve optimum cleaning results, the temperature, and therefore the energy consumption, will increase with this option.

The time by which the programme duration is shortened varies according to the selected programme.

Selecting the ◔ *Express* programme option may take precedence over other selected options.

When used in combination with the *QuickPowerWash* programme, the ◔ *Express* programme option results in a rinse designed solely for the purpose of flushing out the chamber to remove salt solution that leaked out after refilling the salt reservoir.

IntenseZone

The *IntenseZone* programme option increases cleaning performance in the lower basket.

Energy consumption increases due to the extended wash duration in the lower basket and increased temperature.

Check the condition of your dishwasher regularly (approx. every 4–6 months). In this way, faults and problems can be avoided.

⚠ Damage due to unsuitable cleaning agents.

All surfaces are susceptible to scratching. Contact with unsuitable cleaning agents can alter or discolour the external surfaces.

Only use cleaning agents formulated for use on the relevant surfaces.

Cleaning the wash cabinet

The wash cabinet is largely self-cleaning, provided that the correct amount of detergent is always used.

The frequent use of low-temperature wash programmes (< 50 °C) increases the risk of contamination and odours inside the wash cabinet. Run the *Intensive 75 °C* programme once per month to clean the wash cabinet and prevent odours from developing.

However, if residues such as limescale or grease have been deposited, use the Maintenance programme to clean the dishwasher (see “Programme overview – Additional programmes 🗗”) with dishwasher cleaner (see “Optional accessories – Appliance care”). Follow the instructions on the product packaging.

Miele cleaning and care products are available to order from the Miele Customer Service Department or from the Miele online shop.

- Clean the filters in the wash cabinet regularly.

Cleaning the door and the door seal

The door seal and the sides of the dishwasher door cannot be reached and cleaned by the spray arm jets. As a result, mould can develop here.

- Wipe the door seals regularly with a damp cloth to remove food deposits.
- Wipe off any food or drink residues that may have dripped onto the sides of dishwasher door.

Cleaning the control panel

■ The control panel should **only** be wiped with a damp cloth.

Cleaning the appliance front

⚠ Damage due to soiling.
Soiling that is left too long might become impossible to remove and could cause the external surfaces to alter or discolour.
It is therefore best to remove any soiling immediately.

■ Clean the appliance front with a clean soft sponge and a solution of warm water and washing-up liquid. After cleaning, wipe the surfaces dry using a soft cloth.
A clean, damp microfibre cloth without detergent can also be used.

To avoid damaging the external surfaces, do not use the following:

- Detergents containing soda, ammonia, acids or chlorides
- Detergents containing descaling agents
- Abrasive detergents, e.g. scouring powder, scouring liquid, or pumice stones
- Detergents containing solvents
- Stainless steel cleaning agents
- Dishwasher cleaner
- Oven cleaner
- Glass cleaning agents
- Hard, abrasive brushes or sponges, e.g. pot scourers, brushes or sponges that have been previously used with abrasive cleaning agents
- Eraser stain remover blocks
- Sharp metal scrapers
- Wire wool
- Steam cleaners

Cleaning the spray arms

Particles of food can get stuck in the spray arm nozzles and bearings. The spray arms should therefore be inspected regularly (approx. every 2–4 months).

Never run a wash programme without using the spray arms.

⚠ Damage due to soiling entering the circulation system.

Without filters, soiling can enter the circulation system and cause a blockage.

Do not run a wash programme without the lower spray arm or without the filters.

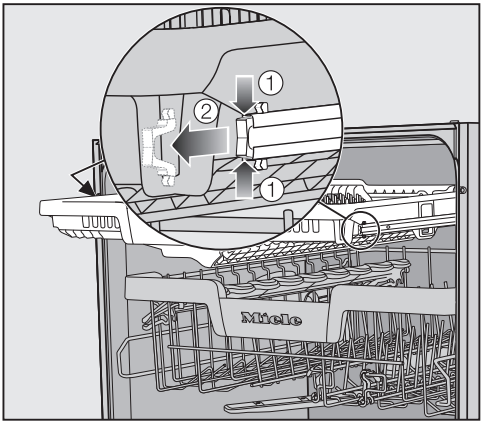
When cleaning the filters and spray arms, make sure that coarse soiling cannot get into the circulation system.

- Switch the dishwasher off.

Removing the cutlery tray (if present)

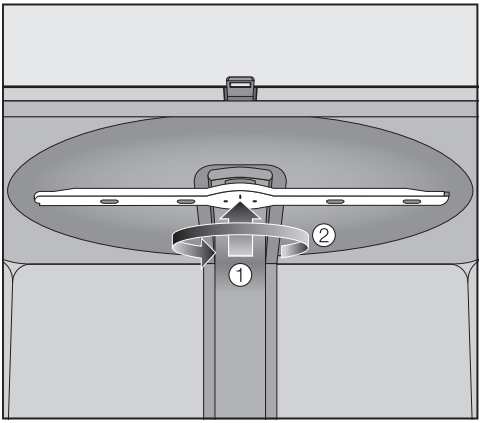
In order to be able to remove the upper spray, you first have to remove the cutlery tray (if present).

- Take out the cutlery tray.



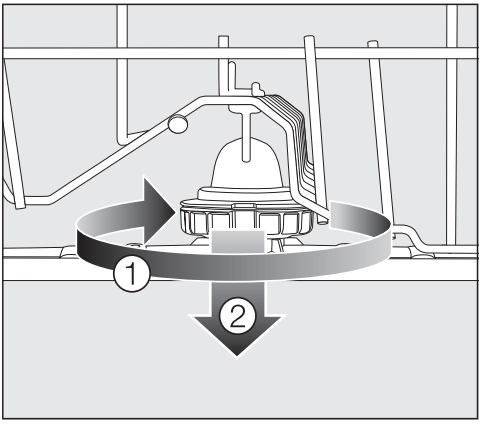
- Press the rail safety clips on both sides of the cutlery tray together ① and remove the safety clips ②.
- Take out the cutlery tray completely.

Removing the top spray arm



- Push the upper spray arm upwards ① to engage the inner ratchet. Then unscrew the spray arm by rotating the screw connection anti-clockwise ②.

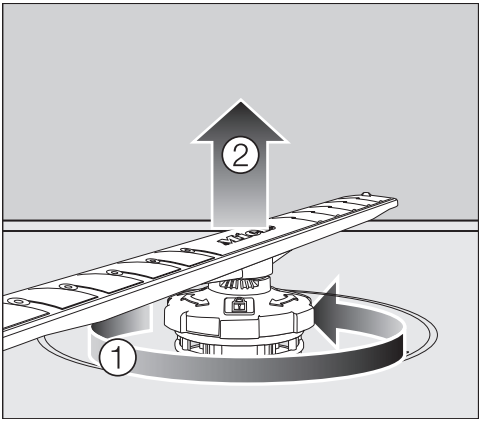
Removing the middle spray arm



- Rotate the screw connection of the middle spray arm clockwise ① and remove the spray arm ②.

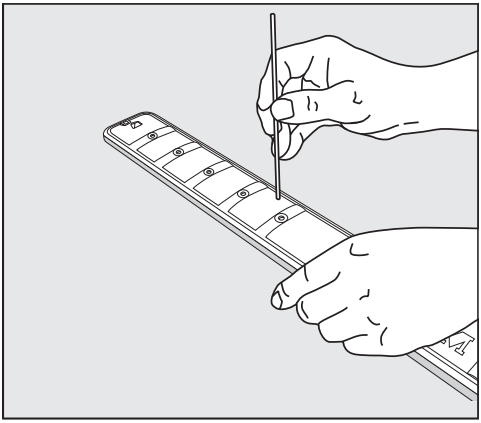
Removing the lower spray arm

- Remove the lower basket.



- Rotate the screw connection of the lower spray arm anti-clockwise ① and pull the spray arm upwards to remove ②.

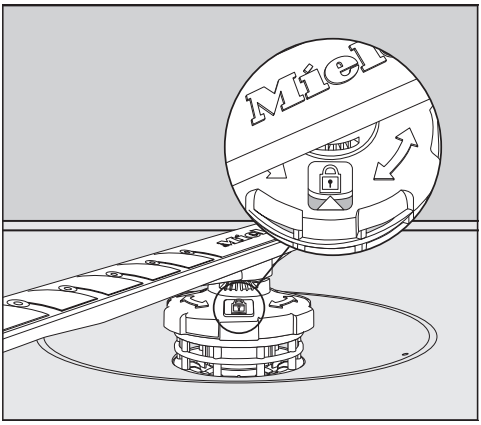
Cleaning the spray arms



- Use a pointed object to push food particles into the spray arm nozzles.
- Rinse the spray arm thoroughly under running water.

Refitting the spray arms

- Refit the upper spray arm and tighten it by hand.
- Refit the middle spray arm.
- Refit the lower spray arm and ensure that the filter combination lies flat in the base of the wash cabinet.



- Rotate the screw connection of the lower spray arm clockwise until the arrow in the viewing window points to the lock symbol 🔓.
- Make sure the spray arms can rotate freely.

⚠ Damage due to soiling entering the circulation system.
The lower spray arm is used to secure the filter combination. Without filters, coarse soiling can enter the circulation system and cause a blockage.
Do not run a wash programme without the lower spray arm or without the filters.

Inserting the cutlery tray (if present)

- Slide the cutlery tray back onto the rails from the front.
- Replace the safety clips in the rails on both sides of the cutlery tray.

Checking the filters in the wash cabinet

The filter combination in the base of the wash cabinet retains coarse soiling from the suds solution. This prevents soiling getting into the circulation system and re-entering the wash cabinet through the spray arms.

⚠ Damage due to soiling entering the circulation system.

Without filters, soiling can enter the circulation system and cause a blockage.

Do not run a wash programme without the lower spray arm or without the filters.

When cleaning the filters and spray arms, make sure that coarse soiling cannot get into the circulation system.

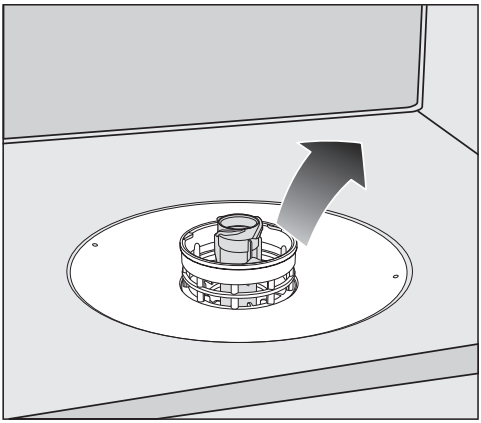
The filters can become blocked by soiling that collects over time. The level of soiling and the time it takes before the filters need cleaning will vary depending on use.

The message Check filters will appear in the display after every 50 programme cycles.

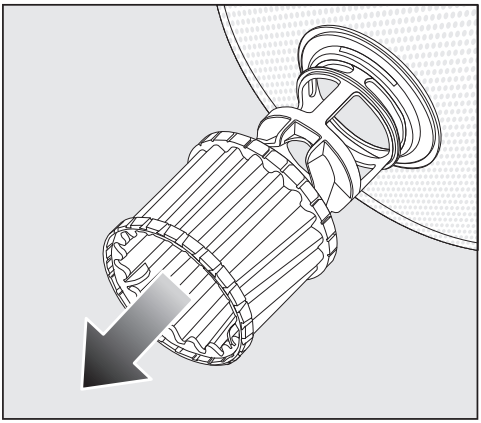
- Check the filter combination.
- Clean it, if necessary.
- Then confirm the message with *OK*.

Cleaning the filters

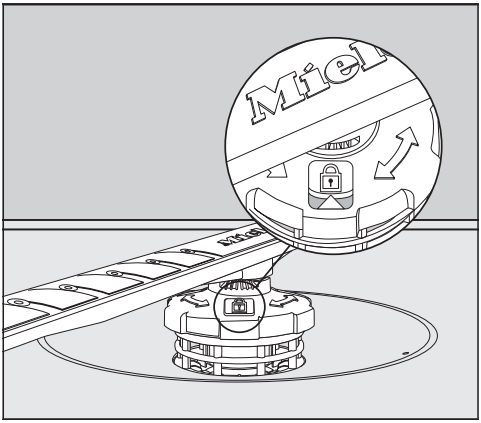
- Switch the dishwasher off.
- Remove the lower spray arm (see “Cleaning and care” chapter, “Cleaning the spray arms” section).
- Before removing the filter combination, remove any coarse soiling to prevent it from entering the circulation system.



- Remove the filter combination.



- In order to clean the inside of the filter, pull the microfilter on the plastic ring downwards and away from the filter combination.
- Rinse all the parts under running water.
  If necessary, use a soft cleaning brush to remove soiling.
- Insert the microfilter back into the filter combination.
- Refit the filter combination so that it lies flat in the base of the wash cabinet.
- Refit the lower spray arm to the filter combination using the screw connection.



- Rotate the screw connection clockwise until the arrow in the viewing window points to the lock symbol 🔒.

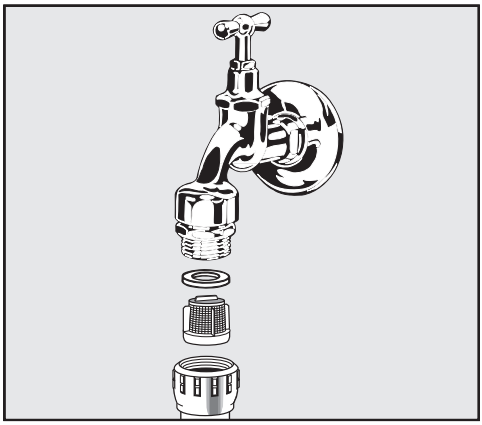
⚠ Damage due to soiling entering the circulation system.
The lower spray arm is used to secure the filter combination. Without filters, coarse soiling can enter the circulation system and cause a blockage.
Do not run a wash programme without the lower spray arm or without the filters.

Cleaning the water inlet filter

A filter is incorporated in the screw thread to protect the water inlet valve. If the filter is soiled, insufficient water flows into the wash cabinet.

⚠ Risk of electric shock from mains voltage.
The plastic housing of the water connection contains an electrical valve.
The housing must not be dipped in water.

- Disconnect the dishwasher from the mains.
  To do this, turn off the dishwasher, switch off at the socket and remove the plug.
- Close the stopcock.
- Unscrew the water inlet valve.



- Remove the seal from the screw thread.
- Using pointed pliers, take hold of the plastic filter slat and remove the filter.
- Rinse the filter under running water.
- Reassemble in reverse order.

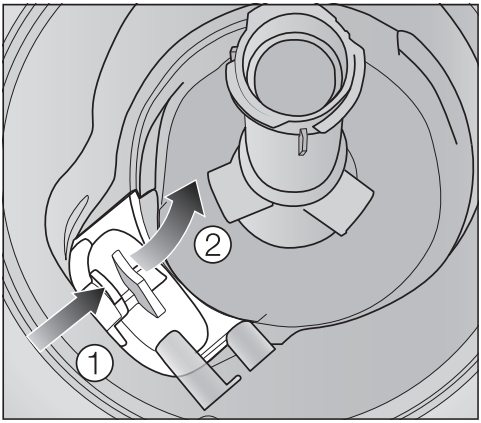
Screw the screw thread securely back onto the stopcock. Slowly open the stopcock. If water drips out, tighten the screw thread.

Never forget to put the filter back in place after cleaning.

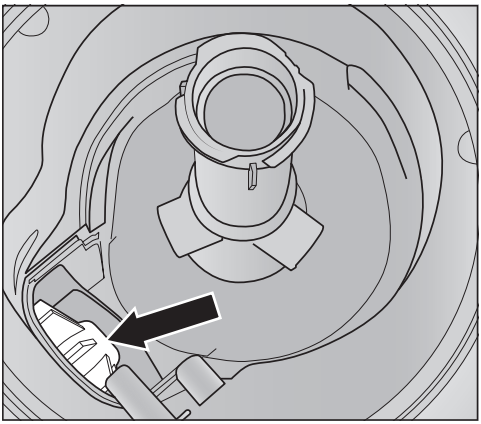
Cleaning the drain pump

If water remains in the wash cabinet after the end of a programme, the water has not been pumped away. The drain pump may be blocked by foreign objects. These are easy to remove.

- Disconnect the dishwasher from the mains.
  To do this, turn off the dishwasher, switch off at the socket and withdraw the plug.
- Take the filter combination out of the wash cabinet (see “Cleaning and care” chapter, “Cleaning the filters”).
- Scoop the water out of the cabinet using a suitable small container or utensil.



- Press the catch of the drain pump cover inwards ①.
- Tip the cover inwards until it is released ②.
- Rinse the cover thoroughly under running water and remove all foreign objects.



The drain pump (see arrow) is underneath the cover.

⚠ Risk of injury from glass splinters.
It is especially difficult to see glass splinters in the drain pump.
Take care when cleaning the drain pump.

- Carefully remove all foreign objects from the drain pump. Check the drain pump impeller by manually turning it. You will feel a little resistance when you turn the impeller.
- Refit the cover by placing it down vertically from above.

Ensure that the catch engages correctly.

⚠ Damage due to incorrect cleaning.
The components are delicate and can be damaged during cleaning.
Take care when cleaning the drain pump.

Problem solving guide

Many malfunctions and faults that can occur in daily operation can be easily remedied. Time and money will be saved because a service call will not be needed.

The following guide may help you to find the reason for a malfunction or a fault, and to correct it.

This section only lists faults that you can remedy yourself. All other faults are shown in ⚠ Fault FXX.

Technical problems

Problem	Cause and remedy
The dishwasher will not start.	The door is not closed properly. ■ Raise the door upwards until the catch engages.
	The dishwasher is not plugged in. ■ Insert the plug and switch on at the socket.
	The mains fuse has tripped. ■ Reset the trip switch in the fuse box or replace the fuse in the plug (see data plate for minimum fuse rating). ■ If the mains fuse trips again, contact the Miele Customer Service Department.
	The dishwasher is not switched on. ■ Switch the dishwasher on with the ⏻ button.
The dishwasher stops during a programme.	The mains fuse has tripped. ■ Reset the trip switch in the fuse box or replace the fuse in the plug (see data plate for minimum fuse rating). ■ If the mains fuse trips again, contact Miele Service.

Fault messages

Problem	Cause and remedy
The optical in-operation indicator light is flashing quickly. The alarm tone is sounding. One of the following faults appears in the display:	Before rectifying the problem: ■ Switch the dishwasher off.
⚠ Fault FXX	There may be a technical fault. ■ Switch the dishwasher back on after a few seconds. ■ Select the programme you want. ■ Close the door. If the fault message appears again, there is a technical fault. ■ Switch the dishwasher off. ■ Close the stopcock. ■ Call the Miele Customer Service Department.
Waterproof	The Waterproof system has reacted. ■ Switch the dishwasher off. ■ Close the stopcock. ■ Call Miele Service.
⚠ Fault F78	Circulation pump fault. ■ Switch the dishwasher off. ■ Switch the dishwasher back on. ■ Select the programme you want. ■ Close the door. If the fault message appears again, there is a technical fault. ■ Switch the dishwasher off. ■ Close the stopcock. ■ Call the Miele Customer Service Department.

Problem solving guide

Door release

Problem	Cause and remedy
The optical in-operation indicator light is flashing quickly. The alarm tone is sounding. The following fault is indicated via the display:	Before rectifying the problem: ■ Switch the dishwasher off.
⚠ Fault F33	The door does not open automatically. There may be a technical fault. ■ Open the door manually (see “Before using for the first time” chapter, “Opening the door” section) and switch the dishwasher off and then back on again. ■ If the same fault message appears again, call Miele Service.
	The door locking pins do not retract after the door is opened. There may be a technical fault. ■ Switch the dishwasher back on. ■ If the same fault message appears again, call Miele Service.

Water inlet fault

Problem	Cause and remedy
The optical in-operation indicator light is flashing quickly. The alarm tone is sounding. One of the following messages appears in the display:	
Open stopcock	The stopcock is closed. ■ Open the stopcock fully.
Water intake	Before rectifying the problem: ■ Switch the dishwasher off.
	The water inlet is restricted. ■ Open the stopcock fully and start the programme again. ■ Clean the filter in the water inlet (see “Cleaning and care” – Cleaning the filter in the water inlet”). ■ The water-connection pressure is lower than 50 kPa. Seek professional advice. ■ The on-site connection for the water drainage may be too low and you will need to vent the water drainage (see “Installation – Water drainage”).
⚠ Fault F18	A technical fault has occurred. ■ Switch the dishwasher off. ■ Close the stopcock. ■ Call the Miele Customer Service Department.

Water drainage fault

Problem	Cause and remedy
The optical in-operation indicator light is flashing quickly. **The alarm tone is sounding.** **The message Drain appears in the display**	Before rectifying the problem: ■ Switch the dishwasher off.
	Water drainage fault. There might be water in the wash cabinet. ■ Clean the filter combination (see “Cleaning and care” chapter, “Cleaning the filters” section). ■ Clean the drain pump (see “Cleaning and care” chapter, “Cleaning the drain pump” section). ■ Remove any kinks or loops in the drain hose.

General problems with the dishwasher

Problem	Cause and remedy
The indicator lights and the display are dark.	The dishwasher has switched off automatically to save energy. ■ Switch the dishwasher on again with the ⏻ button.
Detergent residue is left in the detergent compartment at the end of a programme.	The detergent compartment was still damp when detergent was added. ■ Only add the detergent when the detergent compartment is dry.
The detergent compartment lid cannot be closed.	Residual detergent is blocking the catch. ■ Remove the residual detergent.
At the end of a programme there is a film of moisture on the inside of the door and possibly on the interior cabinet walls.	This is part of the normal function of the drying system. The moisture will dissipate after a short while.
Water remains in the wash cabinet at the end of a programme.	Before rectifying the problem: ■ Switch the dishwasher off.
	The filter combination in the wash cabinet is clogged. ■ Clean the filter combination (see “Cleaning and care” chapter, “Cleaning the filters” section).
	The drain pump is blocked. ■ Clean the drain pump (see “Cleaning and care” chapter, “Cleaning the drain pump” section).
	The drain hose is kinked. ■ Remove any kinks from the drain hose.

Problem solving guide

Noises

Problem	Cause and remedy
Knocking noise in the wash cabinet	A spray arm is knocking against a wash item. ■ Carefully open the door and rearrange the wash items that are obstructing the spray arm.
Rattling noise in the wash cabinet	Wash items are insecure in the wash cabinet. ■ Carefully open the door and rearrange the wash items so that they sit securely.
	There is a foreign object (e.g. glass shard) in the drain pump. ■ Remove the foreign object from the drain pump (see “Cleaning and care” chapter, “Cleaning the drain pump” section).
Knocking noise in the water pipes	This may be caused by the on-site installation or the cross-section of the piping. ■ However, this will not affect the functioning of the dishwasher in any way. If in doubt, contact a suitably qualified plumber.

Unsatisfactory washing result

Problem	Cause and remedy
The crockery is not clean.	The crockery was not loaded correctly. ■ See notes in the “Loading the dishwasher” for examples on how to load crockery and cutlery.
	The programme was not powerful enough. ■ Select a more powerful programme (see “Programme overview”). ■ Activate the Extra clean function (see “Settings – Extra clean”).
	Not enough detergent was dispensed during manual detergent dispensing. ■ Use more detergent or change the detergent you are using.
	Items are blocking the path of the spray arms. ■ Carry out a rotation check and if needed rearrange the items so that the spray arms can rotate freely.
	The filter combination in the wash cabinet is not clean or was incorrectly fitted. This may have caused the spray arm jets to become blocked. ■ Clean and/or fit the filter combination correctly. ■ Clean the spray arm jets if necessary (see “Cleaning and care – Cleaning the spray arms”).
There are smears on glassware and cutlery. There is a bluish sheen on the surface of glassware. The film can be wiped off.	The rinse aid dosage is set too high. ■ Reduce the dosage (see “Settings” chapter, “Rinse aid” section).

Problem solving guide

Problem	Cause and remedy
The crockery is not dry or cutlery and glasses are flecked.	The rinse aid dosage is too low or the rinse aid container is empty. ■ Replenish the rinse aid container, increase the dosage or change the brand of rinse aid (see “Before using for the first time – Rinse aid”).
	The crockery was taken out of the wash cabinet too soon. ■ Leave the crockery in longer (see “Operation – Unloading the dishwasher”).
	The duration of the drying phase for the selected programme is not sufficient for the crockery (particularly for plastic crockery). ■ Select the Extra dry function (see “Settings – Extra dry”).
	You have used combination products that have insufficient drying performance. ■ Switch to another detergent, or replenish the rinse aid (see “Before using for the first time – Rinse aid”).
Glassware has a brown or blue tinge. The film cannot be wiped off.	Ingredients from the detergent have formed a deposit. ■ Switch to another detergent straight away.
Glassware is dull and discoloured. The film cannot be wiped off.	The glassware is not dishwasher-proof. The surface has altered. ■ No remedy. Purchase glassware that is dishwasher-proof.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected programme was too low. ■ Select a programme with a higher main wash temperature.
	The bleaching effect of the detergent used is too low. ■ Switch to another detergent.

Problem	Cause and remedy
Plastic items are discoloured.	Natural dyes, e.g. from carrots, tomatoes or ketchup may be the cause. The amount of detergent used or its bleaching effect was not sufficient to deal with natural dyes. ■ Use more detergent (see “Detergent”). Parts that are already discoloured will not revert to their original colour.
White residue is visible on the crockery. Clouding has occurred on glassware and cutlery. The film can be wiped off.	The rinse aid dosage is set too low. ■ Increase the dosage (see “Settings” chapter, “Rinse aid” section).
	There is no salt in the salt reservoir. ■ Fill the salt reservoir (see “Before using for the first time”, “Dishwasher salt” section).
	The salt reservoir cap has not been screwed on correctly. ■ Replace it, making sure that it screws back on correctly.
	Unsuitable combination detergents were used. ■ Switch to another detergent. If using tabs or powder detergent, do not choose combination products and ensure you refill the dishwasher salt and rinse aid.
	The water softener is programmed to too low a water hardness level. ■ Programme the water softener to a higher water hardness level (see “Settings” chapter, “Water hardness” section).

Problem solving guide

Problem	Cause and remedy
There are rust stains on cutlery.	The affected items are not corrosion-resistant. ■ No remedy. Purchase cutlery that is dishwasher-safe.
	A programme was not run after dishwasher salt was added. Traces of salt have got into the normal wash cycle. ■ Always run the 65 °C *QuickPowerWash* programme with the *Express* option selected and without any load items in the dishwasher immediately after adding dishwasher salt.
	The salt reservoir cap has not been screwed on correctly. ■ Replace the cap, making sure that it screws back on correctly.

Contact in the event of a fault

In the event of any faults which you cannot remedy yourself, please contact your Miele dealer or the Miele Customer Service Department.

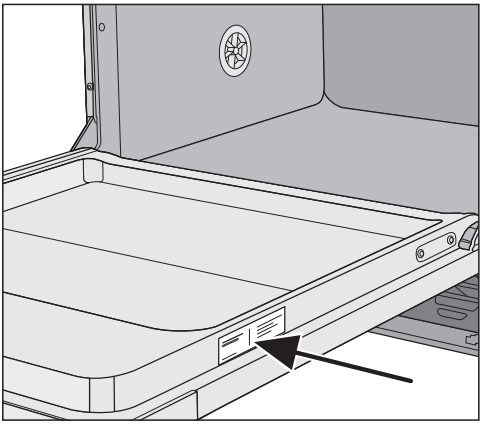
You can book a Miele Customer Service Department call-out online at www.miele.com/service.

Contact information for the Miele Customer Service Department can be found at the end of this document.

Please quote the model identifier and serial number of your appliance (Fabr./SN/Nr.) when contacting the Miele Customer Service Department. This information can be found on the data plate.

Please note that telephone calls may be monitored and recorded for training purposes and that a call-out charge will be applied to service visits where the problem could have been resolved as described in this booklet.

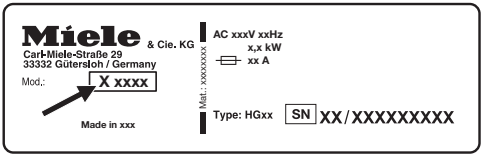
The data plate is located on the right side of the door.



EPREL database

From 1 March 2021, information on energy labelling and ecodesign requirements will be available in the European Product Database (EPREL). You can find the product database at the following link https://eprel.ec.europa.eu/. You will be asked to enter the model identifier.

The model identifier can be found on the data plate.



Warranty

For information on the appliance warranty specific to your country please contact Miele. See back cover for address.

In the UK, your appliance warranty is valid for 2 years from the date of purchase. However, you must activate your cover by calling 0330 160 6640 or registering online at www.miele.co.uk.

Note for test institutes

All information required regarding comparison testing and measuring noise levels is given in the **Comparison tests** leaflet.
Please order the latest version of this leaflet by email from:

- testinfo@miele.de

Please indicate your postal address, as well as the model and serial number of the dishwasher (see data plate).

You can also download the brochure from the Miele website.

Dishwasher detergent, rinse aid and cleaning and care products are available for this dishwasher, as are optional accessories.
All the products have been designed for Miele appliances.

These and many other products can be ordered from the Miele webshop, the Miele Customer Service Department or your Miele dealer.

Dishwasher detergent, rinse aid and salt

When selecting your Miele dishwasher, you opted for top quality and performance. To achieve optimum results all the time, it is important to use the right dishwasher products. Not all off-the-shelf products deliver the same results in all dishwashers.
For this reason Miele offers dishwasher products specifically designed for Miele appliances.

Detergent tabs

- Sparkling results even with stubborn food deposits
- Combination product with other functions such as rinse aid, dishwasher salt and glass protection additives
- Phoshate free – helps protect the environment
- No need to unwrap thanks to water-soluble wrapping

Powder detergent

- With active oxygen for thorough cleaning
- With enzymes that are effective even at low temperatures
- With glass-protection formula against corrosion

Rinse aid

- For sparkling glasses
- Helps crockery to dry
- With glass-protection formula against corrosion
- Specially designed cap for precise, easy dispensing

Dishwasher salt

- Prevents limescale on crockery and in the appliance
- Extra coarse-grained

Optional accessories

Appliance care

Miele cleaning and care products provide optimum care for your Miele dishwasher.

Dishwasher cleaner

- For use with the Maintenance programme without detergent dispensing
- Cleans the dishwasher effectively and thoroughly
- Removes grease, bacteria, and associated unpleasant odours
- Ensures excellent dishwashing results

Descaling agent

- Removes heavy limescale deposits
- Mild and gentle with natural citric acid

Conditioner

- Removes odours, limescale and light deposits
- Maintains the elasticity and leak tightness of the seals

Freshener

- Neutralises unpleasant odours
- Fresh, pleasant fragrance of lime and green tea
- Easy and convenient to attach to the dishwasher basket
- Very economical; lasts for 60 wash cycles

The Miele Waterproof system

Provided that your dishwasher has been installed correctly, the Miele Waterproof system will protect you from water damage throughout its lifetime.

Water inlet

⚠ Danger to health due to wash water.
Water in the dishwasher is not drinking water.
Do not drink any water from the dishwasher.

⚠ Health risk and risk of damage due to contaminated inlet water.
The quality of the incoming water must correspond to the drinking water specification of the country in which the dishwasher is being operated.
Connect the dishwasher to a drinking water supply.

The dishwasher may be connected to cold or hot water (up to max. 65 °C) supplies.
If energy-saving water heating sources such as solar energy circulation systems are used, we recommend connection to the hot water. This saves both time and electrical energy costs. Hot water is used in all programmes.

The SolarSave programme (if available) requires a hot water connection of between a minimum of 45 °C and a maximum of 65 °C (inlet temperature). The higher the water inlet temperature, the better the cleaning and drying results.

The inlet hose is approx. 1.5 m long. A 1.5 m long, flexible metal extension hose (tested to 14,000 kPa/140 bar) is available as an optional accessory from Miele specialist retailers or the Miele Customer Service Department.

Installation

A stopcock with a ¾" threaded union is required for the connection. If a stopcock is not available, a qualified plumber should connect the dishwasher to the domestic water supply.

A non-return valve is not required. The appliance meets the requirements of the applicable DIN standards.

The water-connection pressure needs to be between 50 and 1,000 kPa. If the water-connection pressure is too high, a pressure reducing valve must be fitted.

⚠ Risk of damage from leaking water.

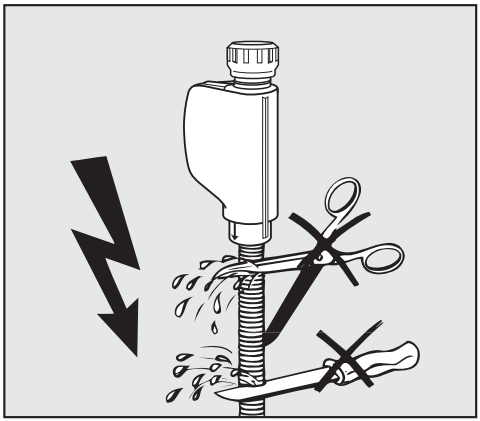
The connection point is subject to mains water pressure. Water leaking from it can cause damage.

You should therefore open the stopcock slowly and check for leaks. Correct the position of the washer and screw thread if appropriate.

⚠ Risk of damage due to excessive pressure.

A brief increase in the water pressure can damage components of the dishwasher.

This dishwasher must only be operated when it is connected to a fully vented plumbing system.



⚠ Risk of electric shock from mains voltage.

There are electrical components in the water inlet hose.

The inlet hose must not be shortened or damaged in any way (see illustration).

Water drainage

The dishwasher's drainage system is fitted with a non-return valve, which prevents dirty water from flowing back into the appliance via the drain hose.

The dishwasher is supplied with approx. 1.5 m of flexible drain hose with an internal diameter of 22 mm.

The drain hose can be extended using a connection piece to attach a further length of hose. The drainage length must not be longer than 4 m and the delivery head no higher than 1 m.

If the hose is to be directly fitted to the drainage outlet on site, use the hose clip supplied (see installation plan).

The hose can be directed to the left or the right of the appliance.

The on-site connector for the drain hose can be adapted to different hose diameters. If the connector extends too far into the drain hose, it must be shortened. Otherwise, the drain hose can become blocked.

The drain hose must not be shortened.

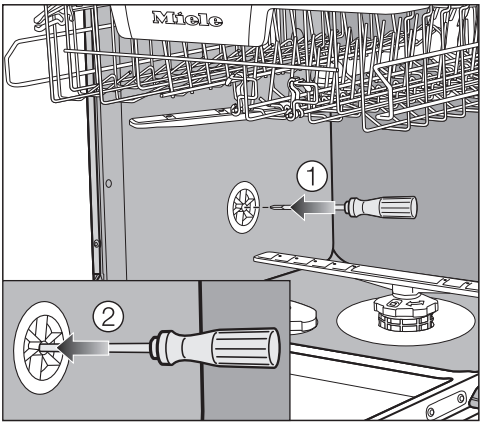
Lay the drain hose so that it does not kink and is not being subjected to pressure or tension.

⚠ Risk of damage from leaking water.
Leaking water can cause damage.
After commissioning, make sure that the water is not leaking.

Venting the water drain

If the on-site drainage connection is situated lower than the guide path for the lower basket rollers in the open door, the drainage system must be vented. Otherwise, a siphoning effect during a programme can cause the appliance to empty itself of water.

- Open the dishwasher door fully.



- Remove the lower basket.
- Insert a screwdriver into the middle opening of the vent valve in the left wash cabinet wall ①.
- Press the screwdriver further into the opening and push it through the membrane ② behind.

The vent opening for the water drain is now open.

Electrical connection

Electrical connection

The dishwasher is supplied with an electrical connection cable with moulded plug ready for connection to a switched socket.

The socket must be easily accessible after the dishwasher has been installed. If that is not possible, ensure that a suitable means of disconnection is provided on the installation side for each pole.

⚠ Risk of fire from overheating.
Connecting the dishwasher to a multi-socket plug adapter or to an extension lead can overload the cable.
Do not use an extension lead or multi-socket plug adapter.

The electrical system must comply with local and national safety regulations (BS 7671 in the UK). We recommend the use of a suitable RCD ⎍.

If the connection cable is damaged, it must only be replaced with a specific connection cable of the same type (available from the Miele Customer Service Department). For safety reasons, such replacement may only be carried out by a qualified technician or the Miele Customer Service Department.

The data plate indicates the nominal power consumption and the appropriate fuse rating. Compare the specifications on the data plate with those of the electricity supply and make sure that they match.

If in any doubt, consult a qualified electrician.

Do not connect the dishwasher to a stand-alone inverter such as those used with an autonomous energy source, e.g. solar power. When the washing machine is switched on, power surges could result in a safety switch-off. This could damage the electronic module.

Technical data

Technical data

Dishwasher model	Normal	XXL
Height	80.5 cm (adjustable by +6.5 cm)	84.5 cm (adjustable by +6.5 cm)
Height of building-in niche	Min. 80.5 cm (+6.5 cm)	Min. 84.5 cm (+6.5 cm)
Width	59.8 cm	59.8 cm
Width of building-in niche	60 cm	60 cm
Depth	57 cm	57 cm
Weight	Max. 47 kg	Max. 54 kg
Voltage	See data plate	
Rated load	See data plate	
Fuse rating	See data plate	
Test certifications awarded	See data plate	
Water pressure	50–1000 kPa (0.5–10 bar)	50–1000 kPa (0.5–10 bar)
Hot water connection	Up to max. 65 °C	Up to max. 65 °C
Delivery head	Max. 1 m	Max. 1 m
Drainage length	Max. 4 m	Max. 4 m
Mains cable	Approx. 1.7 m	Approx. 1.7 m
Capacity	13/14 place settings*	13/14 place settings*

*Depending on model

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Miele

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