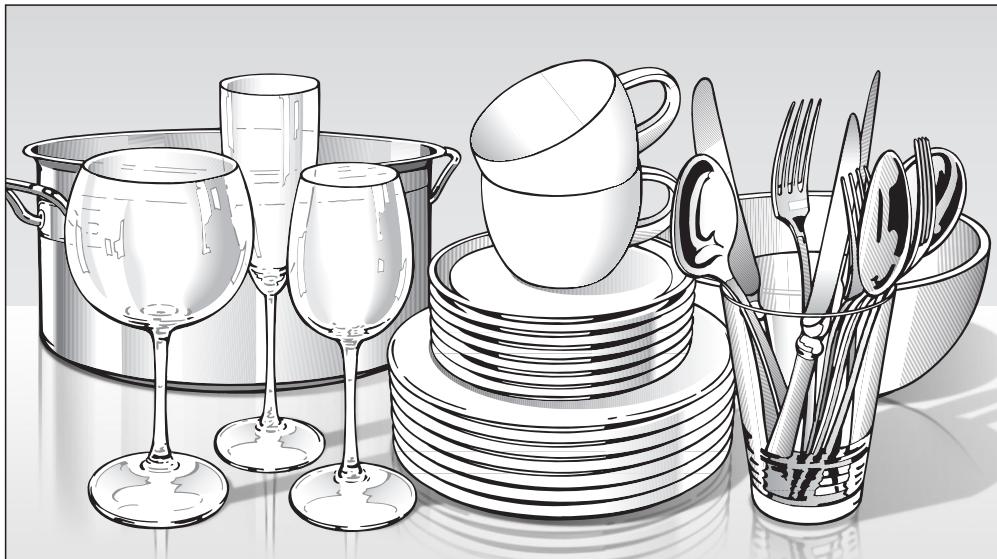


Miele

Operating Instructions



Commercial dishwasher PG 8130i

en - US

 To prevent accidents and machine damage,
read these instructions **before** installation or
use.

M.-Nr. 10 765 340

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Warnings

 Warnings important for safety are highlighted like this. Warnings alert you to potential injury and damage. Read the warnings carefully and follow the instructions and directions.

Notes

Notes contain information that is particularly important to follow.
They are highlighted by a thickly framed box.

Additional information and comments

Additional information and comments are contained in a narrow frame.
They are not imperative for the operation of the commercial dishwasher.

Operating steps

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

Example:

- Select the desired setting and press the center button to confirm.

Display

Information that is shown in the commercial dishwasher display appears in a special font similar to the display text.

Example:

When the message  End or Auto Open Drying appears in the display

Proper use

This Commercial Dishwasher complies with all current local and national safety requirements. Inappropriate use can, however, lead to personal injury and material damage.

Read the operating instructions carefully before using the Commercial Dishwasher for the first time. They contain important information on the safety, use, and maintenance of the machine. You will prevent the risk of accidents and damage to the Commercial Dishwasher. Keep these operating instructions in a safe place and pass them on to any future user.

► This dishwasher with its short program running times and powerful cleaning performance is intended for commercial use in office kitchens, clubhouses, small businesses, active kitchens and other similar commercial environments.

It is also suitable for use in domestic households and in similar residential environments, for example, by customers in hotels, motels, bed and breakfast and other related establishments.

► The commercial dishwasher is subsequently referred to as a dishwasher in these operating instructions.

Glasses, cutlery and dishes are referred to generally as cookware when not more specifically defined.

► This dishwasher is not intended for continuous use.

► This dishwasher is not suitable for cleaning medical products.

► This machine is designed exclusively for use as a “dishwasher” for cleaning wash items as described in these instructions. Any other use, conversions, and modifications are not permitted and could be dangerous.

Miele cannot be held liable for damage resulting from incorrect or improper use or operation.

► This dishwasher is intended for stationary, indoor use only.

► The special inserts are to be used for their specific purpose only.

- ▶ Persons which lack physical, sensory or mental abilities or experience with the machine should not use it without supervision or instruction by a responsible person.
- ▶ The dishwasher is equipped with a special lamp to cope with particular conditions (e.g., temperature, moisture, chemical resistance, abrasion resistance, and vibration). This special lamp must only be used for the purpose for which it is intended, i.e., lighting the wash cabinet. It is not suitable for room lighting. Replacement lamps may only be fitted by a Miele authorized technician or by Miele Technical Service.

Important safety instructions

Proper installation

- ▶ Do not install the machine in an area where a danger of explosion or of freezing temperatures may be present.
-  ▶ Be careful when installing the dishwasher. Wear protective gloves to avoid injury on any sharp metal components.
- ▶ To ensure the stability of undercounter dishwashers, these units may only be installed beneath a continuous countertop that is bolted to adjacent cabinetry.
- ▶ In order to reduce the risk of damage from condensation, the furniture in the area around the dishwasher should be designed for commercial use.
- ▶ 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). The door must not be allowed to fall open. The dishwasher must only be operated with properly adjusted door springs.

Technical safety

- ▶ Installation and repair work should be performed by a qualified and trained service technician in accordance with local and national safety regulations. Work by unqualified persons could be dangerous and may void the warranty.
- ▶ This dishwasher must only be operated by appropriately trained personnel. They must be instructed and trained regularly.
- ▶ Before using the dishwasher, check it for any externally visible damage. Do not use a damaged dishwasher. This could be dangerous.
- ▶ In the event of a damaged or leaking dishwasher, switch off at the power supply immediately and call Miele Technical Service, a Miele dealer, or a suitably qualified service technician.

Important safety instructions

- ▶ Faulty components may only be replaced by genuine Miele original parts. Only when these parts are fitted can Miele guarantee the safety standards of the appliance.
- ▶ The electrical safety of this dishwasher can only be guaranteed when correctly grounded. If in any doubt, please have the electrical installation tested by a qualified electrician. Miele cannot be held liable for the consequences of an inadequate grounding system (e.g., electric shock).
- ▶ Be sure to follow the installation instructions in this manual and in the installation diagram.
- ▶ Ensure that the connection data on the data plate (voltage, frequency, and fuse rating) match those of your electrical supply.
- ▶ **WARNING - Fire hazard!** Do not cover or crush the plug of the appliance. Ensure that the cabinet opening for the dishwasher provides ample space for the plug and cord. Installing the dishwasher in a tight space may crimp the power cord or put pressure on it. See "Electrical connection".
- ▶ Do not use an extension cord to connect this machine to electricity. Extension cords do not guarantee the required safety of the machine (e.g., danger of overheating).
- ▶ Do not open the casing of the dishwasher. Any contact with live connections or tampering with the electrical or mechanical components of the dishwasher will endanger your safety and may lead to machine malfunctions.
- ▶ The dishwasher must not be used if the wire is damaged. A damaged wire may only be replaced by a suitable wire of the same type. For safety reasons, such replacement may only be carried out by Miele Technical Service or a qualified service technician.
- ▶ Before servicing the appliance, disconnect it from the power supply.

Important safety instructions

- ▶ The plastic housing of the water connection contains electrical components. It must not be dipped in water.
- ▶ There are live wires in the water intake hose. Do not shorten the water intake hose, even if it is too long.
- ▶ The built-in Waterproof system offers reliable protection against water damage if the following conditions are met:
 - Installation has been carried out correctly.
 - The dishwasher is properly maintained and parts are replaced in case of noticeable damage.
 - The faucets have been turned off during longer absences (for example, vacation).

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

Correct use

- ▶ This dishwasher is designed for operation with water and cleaning agents suitable for use in dishwashers only. Organic solvents and flammable liquid agents must not be used.
This could cause an explosion, damage rubber or plastic components in the dishwasher, and cause liquids to leak out of it.
- ▶ Only use cleaning agents formulated for use in dishwashers. Unsuitable cleaning agents could adversely affect components of the dishwasher or the items being cleaned.
- ▶ You could injure yourself on the open dishwasher door or trip over it. Avoid leaving the door open unnecessarily.
- ▶ Do not sit, stand, or lean on the opened door. This could tip or damage the dishwasher.
- ▶ After any plumbing work, the water pipework to the dishwasher will need to be vented. If this is not done, components can be damaged.
- ▶ Please be aware that the dishwasher may be operating at high temperatures. When the door is opened there is a risk of burning or scalding. Wash items, baskets, and inserts must be allowed to cool down before they are unloaded. Any water remaining in containers could still be very hot. Empty them into the wash cabinet before taking them out.
- ▶ The water in the wash cabinet is NOT safe to drink!
- ▶ The pretreatment of items (for example with dishwashing liquid and other detergents), but also some types of soiling and some detergents, can cause a build-up of foam in the wash cabinet. Foam can have an adverse effect on the cleaning result.
- ▶ Foam escaping from the wash chamber can cause damage to the dishwasher. If foam escapes, the program must be canceled immediately and the dishwasher must be disconnected from the mains electrical supply.

Important safety instructions

- ▶ When using detergents and specialized products, it is essential that the manufacturer's instructions are followed. Detergents must only be used for the purpose they are designed for by the manufacturer to avoid any material damage or the occurrence of strong chemical reactions (e.g., oxyhydrogen explosion).
- ▶ Do not inhale or ingest powder detergent. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Seek medical attention immediately if detergent has been swallowed or inhaled.
- ▶ Miele cannot be held liable for any effect chemical detergents may have on the material of the items being cleaned. Observe the detergent manufacturer's instructions with regard to storage conditions, use, and dosage.
- ▶ To avoid material damage and corrosion, do not allow any acids or solutions containing chloride to get into the wash cabinet. Similarly avoid any materials with a corrosive effect.
- ▶ Do not wash items soiled with ash, sand, wax, lubricating grease, or paint in the dishwasher. These materials will cause damage to the dishwasher.
- ▶ Do not clean the dishwasher or its near vicinity with a hose or a pressure washer.
- ▶ Ensure that the outer casing of the machine does not come into contact with solutions or steam containing acid to avoid any corrosion damage.
- ▶ Be careful when sorting items with sharp pointed ends and positioning them in the dishwasher so that you do not hurt yourself or create a danger for others. Cutlery should be placed in baskets in such a way that no injuries can occur.
- ▶ Remove any coarse food deposits from the items being cleaned before loading them in the dishwasher.

Children in the vicinity

- ▶ 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.
- ▶ Children must be kept away from the dishwasher unless they are constantly supervised.
- ▶ If the automatic door opening mechanism is active, 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.
- ▶ Keep children away from process chemicals. These contain ingredients which can cause burning in the mouth or throat, or inhibit breathing. Keep children away from the dishwasher when the door is open. There could still be residual process chemicals in the dishwasher. Seek medical advice immediately if a child has swallowed or inhaled any process chemicals.

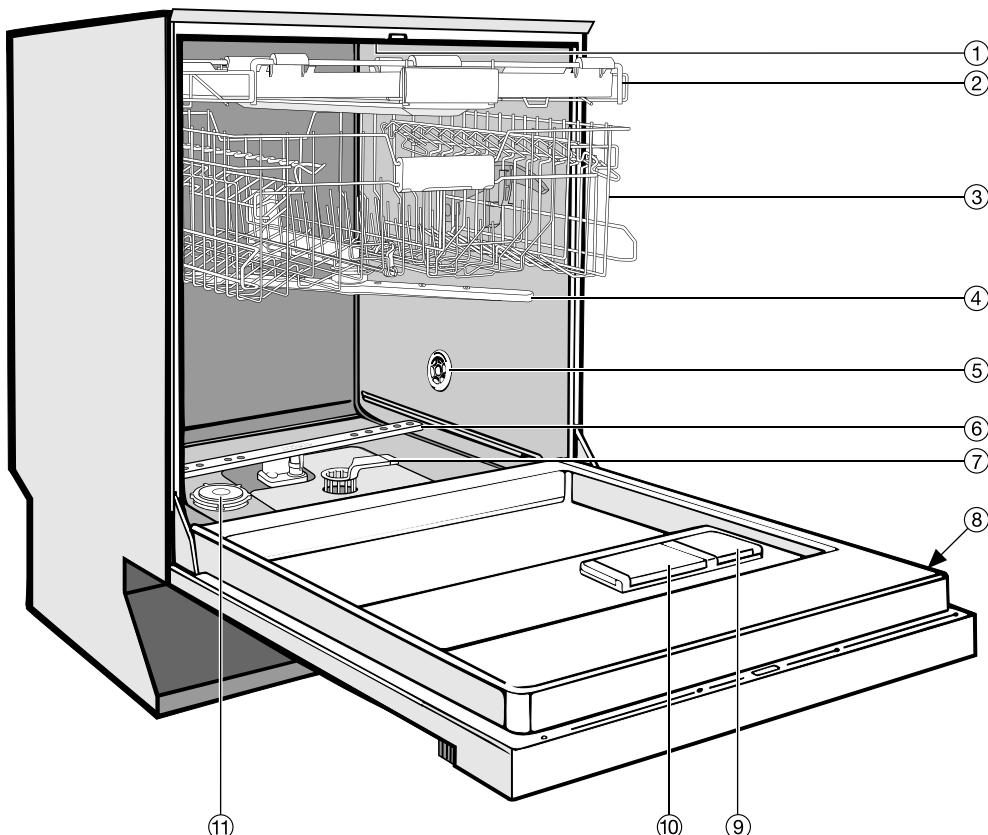
Accessories

- ▶ Accessories may only be fitted if approved by Miele. If other parts are used, any warranty and product liability claims shall be void.

Miele cannot be held liable for damage caused by failure to comply with these safety instructions and warnings.

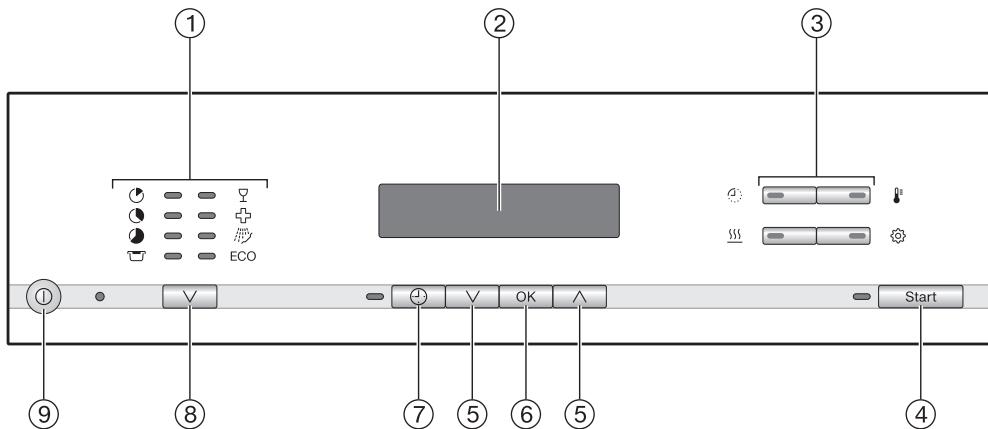
Product description

Machine overview



- | | |
|-------------------------------------|---|
| ① Upper spray arm (not visible) | ⑦ Filter combination |
| ② Cutlery tray (depending on model) | ⑧ Data plate |
| ③ Upper basket | ⑨ Rinse aid reservoir |
| ④ Middle spray arm | ⑩ Dual-compartment detergent dis-
penser |
| ⑤ Air intake for drying | ⑪ Reservoir for dishwasher salt |
| ⑥ Lower spray arm | |

Control panel



- ① Program selection
- ② Display
- ③ Option buttons
- ④ Start button with indicator light
- ⑤ Arrow buttons V\A
- ⑥ OK button
- ⑦ ⏳ button – FlexiTimer with indicator light
- ⑧ Program selection button V
- ⑨ On/off ① button

Product description

Display functions

General information

The display is used to select or set the following:

- the program
- the FlexiTimer (delay start)
- the Settings menu

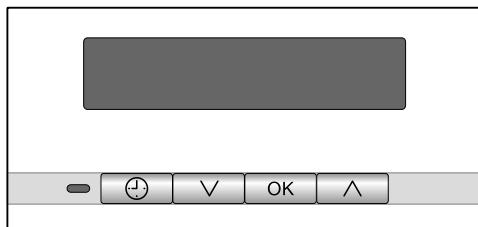
The display can show the following:

- the current time of day
- the program stage
- the estimated time left for the program to run
- 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.

Settings menu



The Settings menu is used to adapt the electronic module of the dishwasher to changing requirements. See the “Settings menu” chapter for more information on accessing the settings menu.

The arrows in the display indicate additional options. You can use the   arrow buttons underneath the display, as appropriate, to select these options.

The *OK* button is used to confirm a message or setting and also to move to the next menu or another level.

The option which is selected will have a check  next to it.

To exit a sub-menu, use the   arrow buttons to select the *Back*  option in the display and confirm your choice with *OK*.

If you do not press any of the buttons for several seconds, the display will return to the previous level. You may need to enter your settings again.

Caring for the environment

Disposal of the packing material

The cardboard box and packing materials protect the appliance during shipping. They have been designed to be biodegradable and recyclable.

Ensure that any plastic wrappings, bags, etc. are disposed of safely and kept out of the reach of children. Danger of suffocation!

Disposal of your old appliance

Electrical and electronic appliances contain valuable materials. They also contain certain substances, compounds and components which were essential for the proper functioning and safe use of the equipment. Handling these materials improperly by disposing of them in your household waste can be harmful to your health and the environment. Therefore, please do not dispose of your old appliance with regular household waste and follow local regulations on proper disposal.



Consult with local authorities, dealers or Miele in order to dispose of and recycle electrical and electronic appliances. Miele assumes no responsibility for deleting any personal data left on the appliance being disposed. Please ensure that your old appliance is kept away from children until removal. Observe safety requirements for appliances that may tip over or pose an entrapment hazard.

Caring for the environment

Energy-saving dishwashing

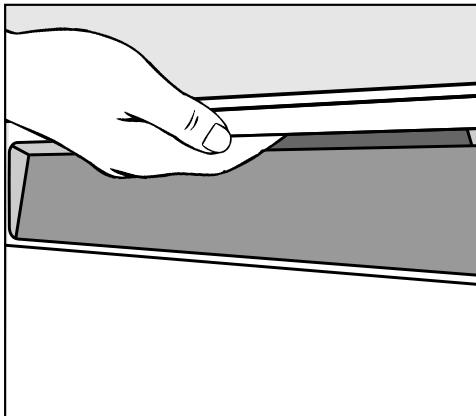
This dishwasher is exceptionally economical in its use of water and electricity.

You can make the most of your machine by following these tips:

- Make full use of the baskets without overloading the dishwasher. This results in the most economical dishwashing.
- Choose a program that best suits the degree of soiling and the type of dishes being washed.
- Select the ECO program for energy-saving dishwashing. This program is the most efficient in terms of its combined energy and water consumption for cleaning dishes with a normal level of soiling.
- Follow the detergent manufacturer's recommendations on detergent dosage.
- When using powder or liquid detergent, you can use $\frac{1}{3}$ less detergent if baskets are only half full.

Opening the door

At the end of programs with a drying phase (see "Program overview"), the door will open automatically a little in order to help the drying process. This function can be deactivated if preferred (see "Settings menu - AutoOpen").



- To open the door, reach under the door grip and pull.
- Open the door fully so that the door catch rail retracts again.

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

⚠ Water in the dishwasher may be hot. Danger of scalding!

Only open the door during operation if absolutely necessary and exercise extreme caution when doing so.

⚠ Keep the area around the door free of obstructions.

Closing the door

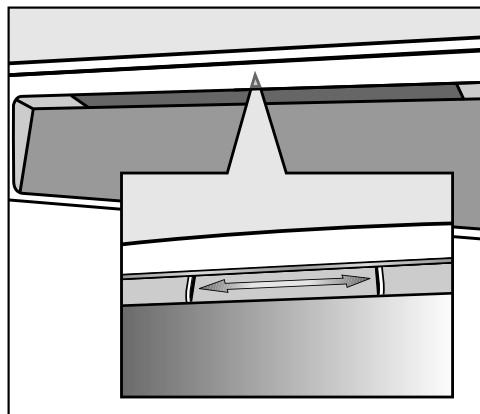
- Push the baskets in.
- Then lift the door upwards and push until it clicks into position.

⚠ Danger of crushing injuries!

Do not put your hand inside the door as it is closing.

Child lock

The child lock can be used to prevent children opening the dishwasher. The door can then only be opened by using a lot of force.



- To lock the door, push the slide underneath the recessed handle to the right.
- To unlock the door, push the slide to the left.

Initial commissioning

Basic settings

- Turn the dishwasher on with the  button.

The welcome screen will appear when the dishwasher is turned on for the first time.

Language

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

- Use the   arrow buttons to select the language you want and also the country, if appropriate, and confirm your selection with **OK**.

See “Display functions” for more information about the display and controls.

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

Time

The display will then change to the screen for setting the time of day.

The current time of day must be set before you can use the FlexiTimer programming option.
You can also show the current date and time in the display.

- Use the   arrow buttons to set the hour and confirm with **OK**.
- Then set the minutes and confirm with **OK**.

Keeping the   arrow buttons pressed will increase or decrease the time automatically.

The display will then change to the screen for setting the clock display.

- Select whether or not the time of day should appear in the display and confirm your selection with **OK**.
- If you have selected Display On, confirm the message about higher energy consumption with **OK**.

Water hardness

The display changes to the screen for setting the water hardness.

- The dishwasher must be programmed 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 10-16 gpg (10-15 °d), always program the dishwasher to the higher value (16 gpg in this example).

It is useful to know your water hardness so that you can provide the service technician with this information in the event of any service calls.

Enter the water hardness below:

_____ gpg

The dishwasher is programmed at the factory for a water hardness level of 1 gpg (1 °d).

- Use the $\vee\wedge$ arrow buttons to select the hardness of your water supply and confirm with **OK**.

See “Settings menu, Water hardness” for more information on setting the water hardness.

Finally, the notes Miele@home enabled and Set up complete will appear in the display.

After these notes are confirmed 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 – Reactivation salt” and “Rinse aid”).
- Confirm the notes with **OK**.

The program selected will appear in the display briefly and the indicator light for the program selected will come on. The display will then show the estimated program duration for the program selected.

These basic settings will be saved after the dishwasher has been through one complete program.

Initial commissioning

Before using the machine for the first time, you require:

- approx. 2 L of water,
- approx. 4.4 lb of dishwasher salt,
- detergent for commercial dishwashers,
- rinse aid for commercial dishwashers.

Suitable products are available from Miele Professional.

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

If the water in your area is very soft and constantly **lower than 5 gpg (5 °d)**, you **do not need** to add reactivation salt. The salt refill indicator is switched off automatically.

 Dishwasher detergent will damage the softener assembly. Do not fill the container for reactivation salt with dishwasher detergent (including liquid detergent).

 Use only special, coarse-grained reactivation salt or other pure kitchen salt. Other types of salt may contain insoluble components which can cause the water softener to malfunction.

Reactivation 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 dishware and on the inner surfaces of the machine.

Domestic water with a hardness level higher than 4 gpg (4 °d) must be softened. This occurs automatically in the integrated water softener. The water softener is suitable for a water hardness level of up to 4 gpg (36 °d).

The water softener requires reactivation salt.

Filling the salt reservoir

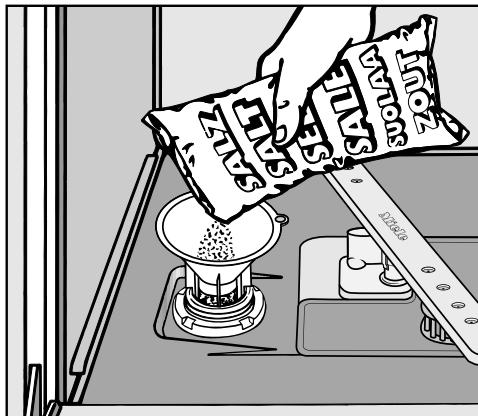
Important! Before filling the salt reservoir with dishwasher salt for the first time, you must fill it with approx. 2 L of water to enable the salt to dissolve.

Once the dishwasher has been used for the first time, there is always sufficient water in the reservoir.

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

Water or brine will run out of the reservoir when the cap is removed. It should therefore only be removed in order to refill the salt reservoir.

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



- Place the provided funnel over the salt reservoir and carefully fill with dishwasher salt until the reservoir is full. The salt reservoir holds approx. 4.4 lb of salt, depending on the type of salt.
- Clean any excess salt from around the reservoir opening and then screw the cap on again firmly.
- Run the  Rinse & Hold program without a load immediately after having filled the reservoir with salt in order to dilute any brine which may have overflowed and have it pumped away.

Initial commissioning

Salt refill indicator

- Fill the salt reservoir with dishwasher salt when  Refill salt appears in the display.
- Confirm with *OK*.

The salt refill indicator will go out.



Danger of corrosion!

Run the  Cold pre-rinse program without a load immediately after having filled the reservoir with salt in order to dilute any brine which may have overflowed and have it pumped away.

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

The salt refill indicator will be turned off if you have programmed the dishwasher for a water hardness below 5 gpg (5 °d).

If you do not want the refill reminders to appear, you can switch off both refill reminders for salt and rinse aid if you wish (see “Settings menu – Switching off the refill reminders”).

Rinse aid

Rinse aid is necessary to ensure water does not cling and leave marks on cookware during the drying phase, and helps cookware dry faster after it has been washed.

Rinse aid is poured into the storage reservoir and the amount set is dispensed automatically.

⚠ Fill the reservoir with rinse aid for commercial dishwashers only. Do not fill it with washing-up liquid or cleaning agent.

This would damage the rinse aid reservoir.

Suitable products are available from Miele Professional.

Alternatively, it is possible to use

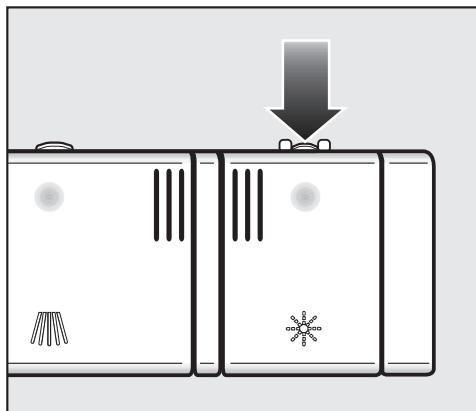
- household vinegar with a max. 5% acid content
- or
- liquid citric acid with up to 10% acid content.

The resulting rinsing and drying quality will not, however, be as good as when rinse aid is used.

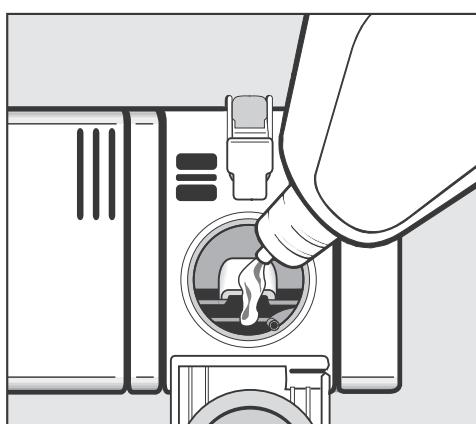
⚠ Do not use vinegar with a higher acid content (e.g., vinegar essence with 25% acid).

This could damage the dishwasher.

Adding rinse aid



- Press the button on the lid of the rinse aid reservoir in the direction of the arrow until the flap springs open.



- Add rinse aid only until it is visible in the opening.

The rinse aid reservoir holds approx. 3.7 oz. (110 ml).

- Close the flap firmly so that it clicks into place. Otherwise water can enter the rinse aid reservoir during a program.

Initial commissioning

- Wipe up any spilled rinse aid. This prevents over-foaming occurring during the next program.

You can adjust the rinse aid dosage for best results (see “Settings menu – Rinse aid”).

Rinse aid refill indicator

When the  Refill rinse aid message appears in the display, the container only has sufficient rinse aid for 2–3 programs.

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

The rinse aid refill indicator will go out.

If you do not want the refill reminders to appear, you can switch off both refill reminders for salt and rinse aid if you wish (see “Settings menu – Switching off the refill reminders”).

Loading the dishwasher

Tips

Remove coarse food residues from the dishes.

There is no need to rinse items under running water!

 Do not wash items soiled with ash, sand, wax, grease, or paint in the dishwasher. These will damage the dishwasher.

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

- Do not place dishes or cutlery inside other pieces. They will cover each other.
- Load the dishes 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, pans, etc. must be inverted in the basket.
- Tall, narrow, hollow items, e.g., champagne glasses, should be placed in the center of the basket to ensure better water coverage.
- Concave items such as mugs or bowls should be placed at an angle so that the water can run off.
- The spray arms must not be blocked by items which are too tall or hang through the baskets. If in doubt, 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, e.g., lids, should therefore be placed in the cutlery tray or cutlery basket (depending on model).

Some foods may contain natural dyes, e.g., carrots, tomatoes or tomato sauce. Plastic items in the dishwasher may discolor if large quantities of these foodstuffs find their way into the dishwasher on the dishes. The stability of plastic items is not affected by this discoloration. Cleaning silver cutlery in the dishwasher may also cause plastic items to discolor.

Loading the dishwasher

Items not recommended for dish-washing

- Wooden cutlery, cutting boards and dishes or items with wooden parts
- Craft items, antiques, valuable vases, and decorative glassware
- Plastic items which are not heat-resistant: the high temperatures in the dishwasher may cause them to melt or lose shape.
- Copper, brass, tin and aluminum items may discolor or become matt.
- Colors painted over a glaze may fade after a number of washes.
- Delicate glassware and glassware containing lead crystal: clouding may occur over time.

Please note:

Silverware previously cleaned with a **silver polish** may still be damp or spotted at the end of a program, where water has not run off smoothly. It may need to be rubbed dry with a soft cloth.

Silver which has been in contact with foods containing sulphur can discolor. These include egg yolk, onions, mayonnaise, mustard, fish, and marinades.

 Aluminum components (e.g., range hood grease filters) must not be cleaned with a commercial or industrial cleaning agent.

These may damage the material.

Tip: When purchasing new dishes and cutlery, make sure they are dishwasher-safe.

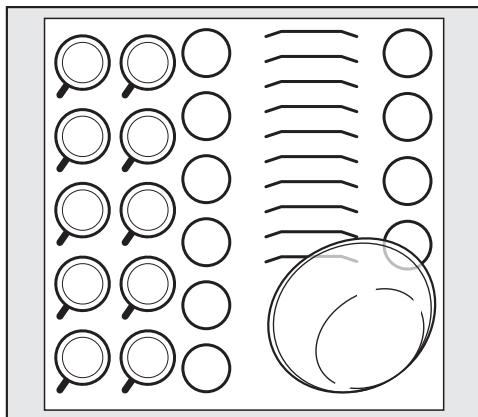
Glass care

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

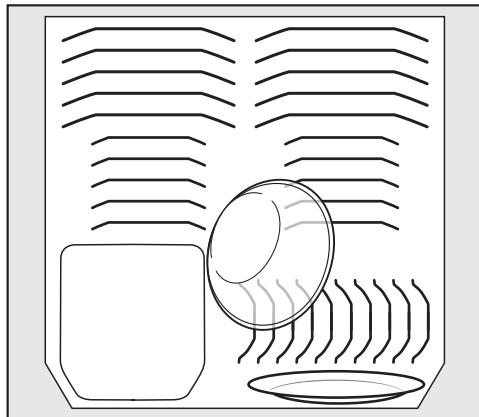
Loading the dishwasher

Loading examples

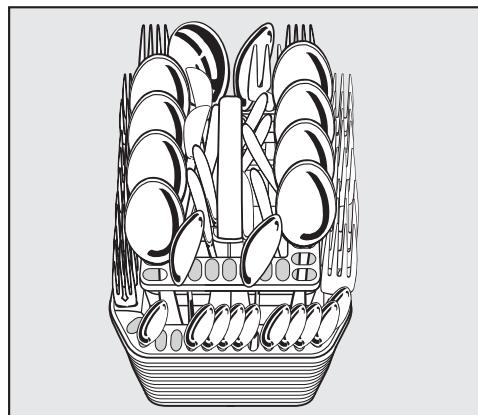
Loading for 10 standard place settings with cutlery basket



Upper basket



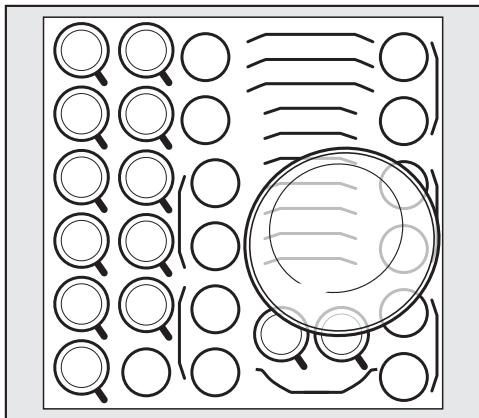
Lower basket



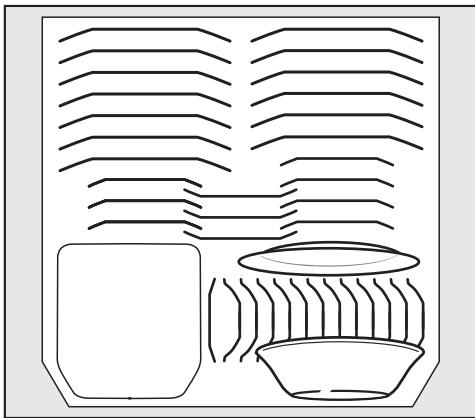
Cutlery basket

Loading the dishwasher

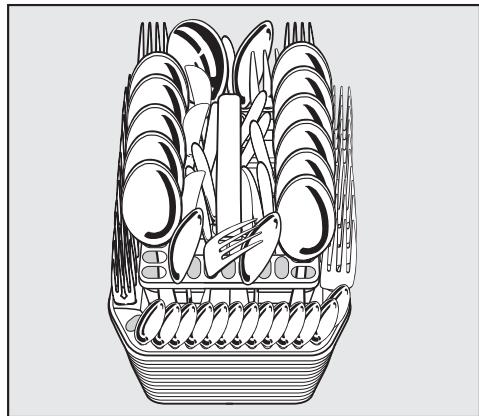
Loading for 13 standard place settings with cutlery basket



Upper basket



Lower basket



Cutlery basket

FlexAssist

The yellow FlexAssist components indicate which elements of the baskets for dishes and cutlery tray are moveable. They also act as grips and have symbols embossed on them to show what the moveable parts are used for.

Upper basket

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

 For safety reasons, do not operate the dishwasher without the upper and lower baskets in place.

- Use the upper basket for small, light-weight, 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, mixing spoons, and long knives should be placed lying down across the front of the upper basket.

Cup rack

- Using the yellow lever □, lift the cup rack upwards to make room for tall items.

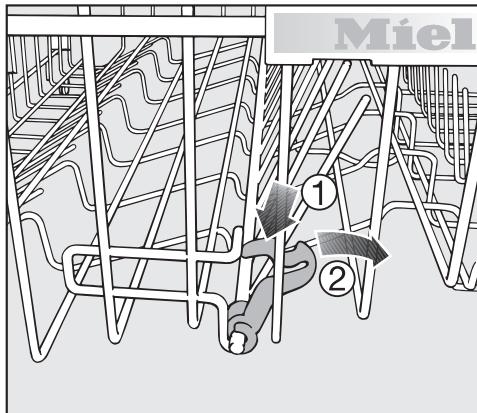
Glasses can be arranged along the cup rack to give them some support during the program.

- Lower the cup rack and lean the glasses against it.

Loading the dishwasher

Hinged spikes

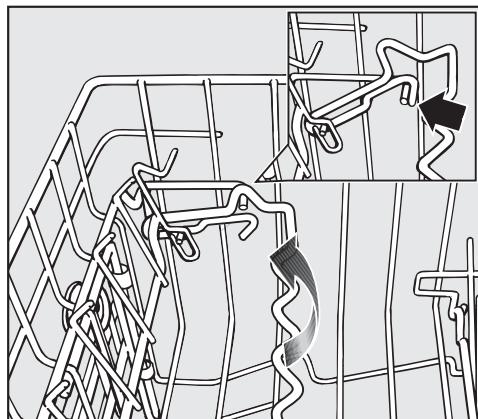
The rows of spikes can be lowered to make more room for larger items such as casserole dishes.



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

Adjusting the height

You can set the glassware rail at two different heights.



- Pull the rail upwards and click it back into position at the required height.

Use the lower position for small glasses and tumblers.

Use the higher position for tall glasses and glasses with stems.

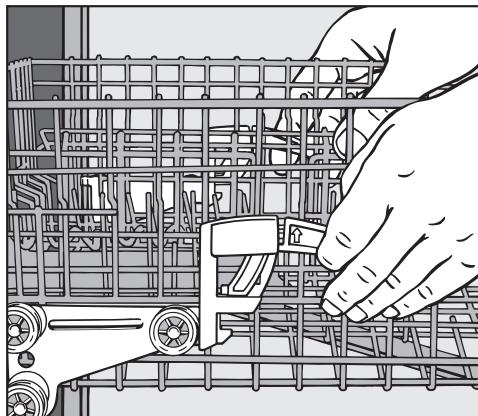
Loading the dishwasher

Adjusting the upper basket

In order to gain more space for taller items the upper basket can be adjusted on three levels with 3/4" (2 cm) between each level.

The upper basket can also be set at an angle with one side high and the other side low. Make sure, however, that the basket can slide smoothly in and out of the cabinet.

- Pull the upper basket out.



To raise the upper basket:

- Lift the basket 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.

Depending on the setting of the upper basket, the following plate dimensions can be accommodated.

Dishwashers with cutlery basket (see data plate for model number)

Upper basket adjustment	Plate Ø in inches (cm)		
	Upper basket		Lower basket
	ADA	Full-size	
Upper	7 7/8" (20)	9 7/16" (24)	12 3/16" (31) 13 3/4" (35*)
Middle	8 11/16" (22)	10 1/4" (26)	11 7/16" (29)
Lower	9 7/16" (24)	11" (28)	10 5/8" (27)

* When tilted, plates of up to 13 3/4" (35 cm) can be accommodated (see "Lower basket").

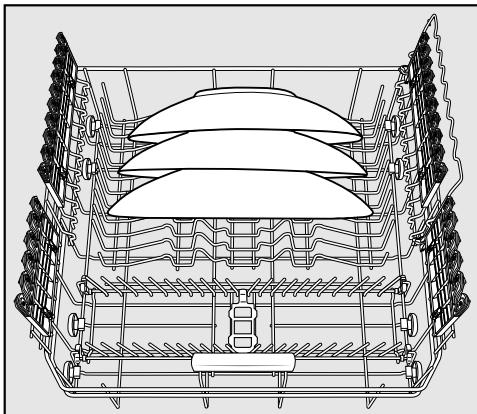
Loading the dishwasher

Lower basket

See "Loading the dishwasher, Loading examples" for examples of how to load dishware and cutlery.

- Place larger and heavier items such as plates, serving platters, saucepans, bowls, etc., in the lower basket.

Glasses, cups, and small plates and saucers can also be placed in the lower basket.



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

When tilted, plates up to 13 3/4" (35 cm) in diameter can be accommodated.

Removable MultiComfort insert

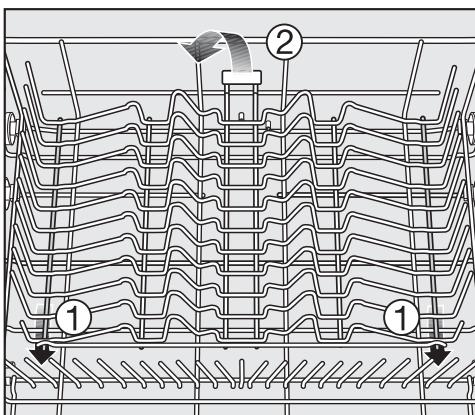
The rear section of the lower basket is used for washing cups, glasses, plates, pots and pans.

You can remove the MultiComfort insert to make more room for larger items such as casserole dishes.

Removing the insert

- Pull the yellow handle forwards and remove the insert.

Refitting



- Fit the insert into the lower basket with the hooks under the long cross-piece ①.
- Press down on the insert until it clicks into position ②.

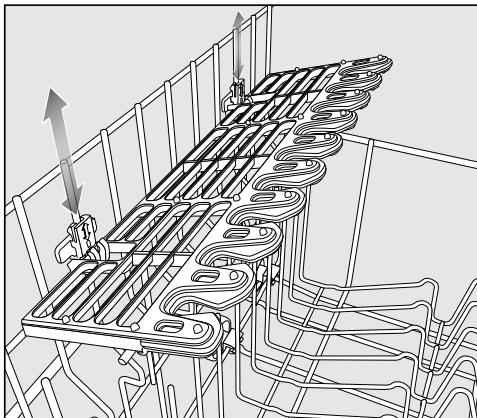
Loading the dishwasher

FlexCare glass holder

Silicone padding in the FlexCare glass holder provides a stable and secure hold for delicate stemware.

- Stem glassware, e.g. wine glasses or champagne flutes, can be leaned against the glass rack or suspended from it.
- The glass holder can be raised to make more room for tall items.

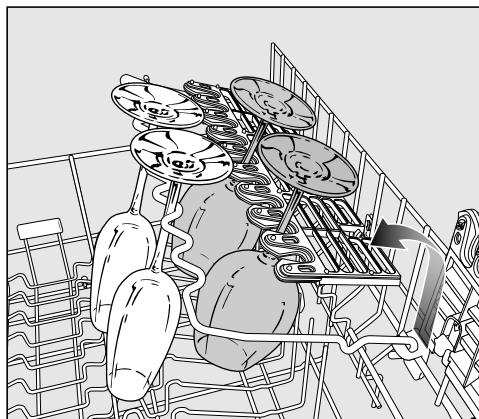
You can set the glass holder at two different heights.



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

Glassware rail

The glassware rail is designed to hold glasses with long stems securely.



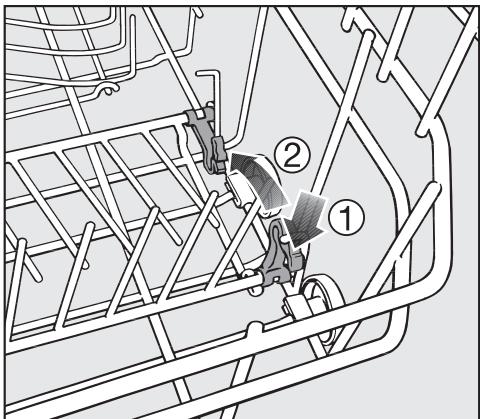
- Lower the rail and lean tall glasses against it.

Loading the dishwasher

Hinged spikes

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

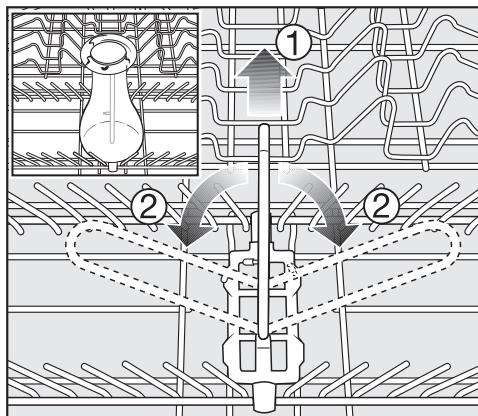
The spikes can be lowered to make more room for large items, e.g. pots, pans and dishes.



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

Bottle holder

The bottle holder can be used to wash narrow items, e.g., milk and baby bottles.

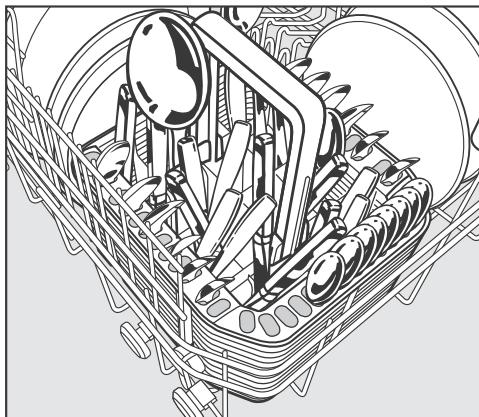


- If the bottle holder is not needed, lift it up ① and fold the sides down ②, as illustrated.

Loading the dishwasher

Cutlery

Cutlery basket (depending on model)

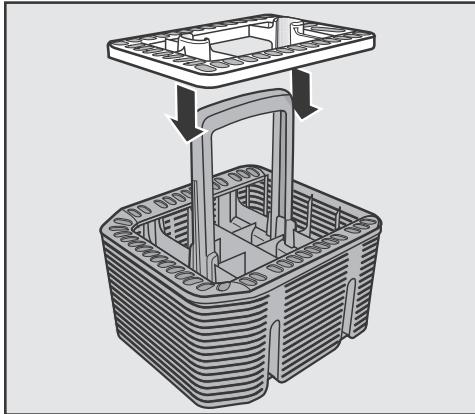


The cutlery basket can be placed anywhere on the front rows of spikes in the lower basket.

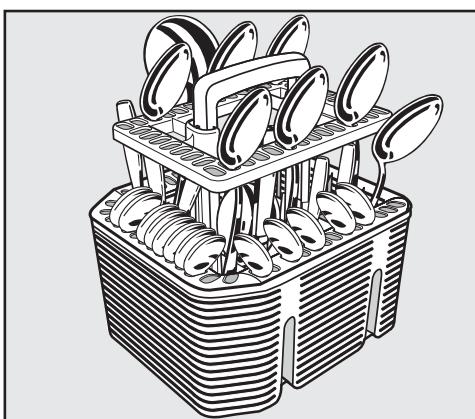
- To avoid the risk of injury, knives and forks should be placed with the handles upwards in the basket. However, cutlery placed handle down in the basket will come out cleaner and drier.
- Place small items of cutlery in the individual slots on three sides of the cutlery basket.

Cutlery insert for the cutlery basket

Use the insert supplied for heavily soiled items of cutlery. The insert separates the items so that they can be more easily accessed by water.



- Fit it onto the cutlery basket if required.



- Insert cutlery with the handles facing downwards.
- Distribute them evenly along the insert.

Operation

Detergent

Powder detergents

Use powder detergent or detergent tabs only in the door dispenser compartment.

Suitable products are available from Miele Professional.



Detergents containing active chlorine must not be used.

They can damage plastics and elastomers in the dishwasher.

Whether you use powder or liquid detergent, always observe the manufacturer's instructions.

Detergent tabs can be used.

Only use detergent tabs that are quick dissolving. Suitable detergent tabs are available from Miele Professional.

- Add powder detergent or detergent tabs to the detergent compartment.

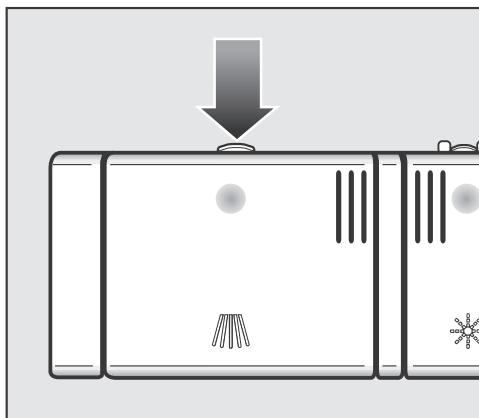
Detergent dosage

- Unless directed otherwise, use one detergent tab or add 20 to 25 g powder detergent to compartment II, depending on the level of soiling. With very heavy soiling you can also add a small amount of powder detergent to compartment I (see "Program chart").

Failure to use the recommended amount of detergent may adversely affect the cleaning results.

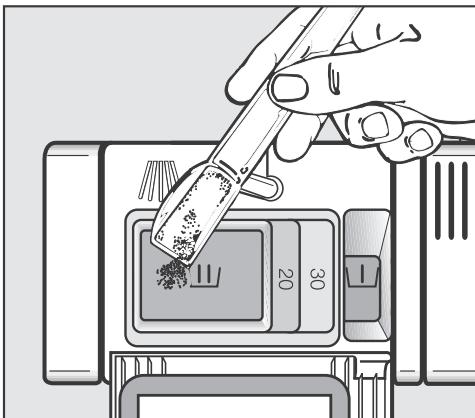
⚠ Do not inhale or ingest powder detergent. Do not swallow dishwasher detergents. Dishwasher detergents can cause burning in the nose, mouth, and throat if swallowed. Seek medical attention immediately if detergent has been swallowed or inhaled. Keep children away from detergents. Keep children away from the dishwasher when the door is open. Detergent residues could still be present in the machine. Do not fill the detergent dispenser until just before starting the program and activate the door safety lock.

Adding detergent



- Press the opening catch in the direction of the arrow. The flap will spring open.

The flap is always open at the end of a program.



- Add the required amount of detergent and close the flap.
- Ensure that the detergent packaging is properly closed after use to keep the detergent from getting damp and becoming lumpy.

Dispensing aid

Compartment I holds a maximum of 10 ml and compartment II holds a maximum of 50 ml of detergent.

In compartment II there are markings to assist with dispensing: 20 and 30. They indicate the filling quantity in ml when the door is open in the horizontal position.

Operation

Turning the machine on

- Make sure the spray arms are not obstructed.
- Close the door.
- Turn on the water supply if it is turned off.
- Press the  button for at least 2 seconds.

The ECO program will appear in the display briefly and the indicator light for the program selected will come on. The display will then show the estimated program duration for the program selected.

The *Start* indicator light flashes.

Selecting a program

Choose your program according to the type of load and the degree of soiling.

The different programs and their uses are described in the **Program guide** later on in this booklet.

- Use the program selection button  to select the program required.

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

During the course of the program, you can use *OK* to display the name of the program which is currently running.

You can now select program options (see "Options").

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

Starting a program

- Press the *Start* or *OK* button.

The program starts.

The *Start* indicator light will come on.

A program should only be canceled in the first few minutes, if at all. Important program stages could otherwise be omitted.

Time display

The estimated duration of the program selected appears in hours and minutes in the display before the program begins. During the program, the time left until the end of the program is displayed.

Each program phase is indicated by a symbol:

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

The displayed program duration may vary with the same program. It is influenced by things such as the water temperature at each intake, the reactivation process of the water softener, and the amount of dishware.

The times shown in the program guide refer to standard test loads and temperatures.

Each time a program is run, the electronic module calculates the program duration required depending on the temperature of the water taken into the dishwasher and the amount of dishware.

Energy management

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

- Press the  button to switch the dishwasher back on.

The dishwasher will not turn off automatically if the time of day display has been activated (see “Settings menu - Time of day”).

The dishwasher will not switch off while a program or the FlexiTimer is running or if there is a fault.

Operation

Program end

The program has finished when  End appears in the display and the door has opened slightly (if applicable).

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

- Open the door completely to re-engage the door closing mechanism.

The dishwasher can now be emptied.

 If you have deactivated the automatic door-opening function (see "Settings menu – AutoOpen"), but would still like to open the door at the end of the program, make sure that you open the door fully. Otherwise, steam from the dishwasher could damage the edge of the counter because the fan is no longer running.

Switching off

At the end of a program:

- The dishwasher can be switched off at any time using the  button.

Switching the dishwasher off during a program stops the program.

Turning the dishwasher off during the run-up to a delay start time (FlexiTimer) will also stop the process.

If the dishwasher is not going to be used for a longer period of time, e.g., during vacations, the water supply should be turned off.

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.

The dishes will cool much faster if you open the door when the program has ended.

First unload the lower basket, then the upper basket, and finally the cutlery tray (if present).

This will prevent water drops from the upper basket and cutlery tray from falling onto the dishes in the lower basket.

Interrupting a program

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

 Water in the dishwasher may be hot. Danger of scalding!

Only open the door if absolutely necessary and exercise extreme caution when doing so. Before closing the door again, leave it ajar for approx. 20 seconds. This will enable the temperature in the wash chamber to settle. Raise the door upwards until the catch engages.

Changing a program

If the detergent dispenser flap has already opened, do not change the program.

If a program has already started and you wish to change it, proceed as follows:

- Turn the dishwasher off with the ① button.
- Turn the dishwasher on again with the ① button.
- Select the program you want, and then start it.

Options

Options

Options can be selected and deselected using the appropriate buttons and the display before starting the program.

The time remaining and temperature options can be changed during the program.

- Turn the dishwasher on with the  button.

The *Start* indicator light flashes.

- Select a program.
- Press the button for the option you want.

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

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

- In this instance, confirm the message with *OK*.
- Press the *Start* or *OK* button to start the program.

The option selected will remain active for that particular program until the setting is changed.

Countdown indicator

The Countdown indicator  option is selected as standard and displays the time remaining until the end of the program.

You can also switch to the Temperature  option while the program is running.

Temperature

The Temperature  option shows the current temperature of the wash block.

You can also switch to the Countdown indicator  while the program is running.

Extra dry

The Extra dry  option improves the drying performance in programs in which this option is available.

Energy consumption is increased due to an extended fan running time.

Settings

The Settings  option opens the menu to enable settings to be selected on the machine and changes to be made to program parameters.

See “Settings menu” for more information.

FlexiTimer with EcoStart

With the FlexiTimer , you have three options for starting the program using delay start. The start or finish time of a program can be delayed. This enables you to benefit from cheaper electricity rates at night using the EcoStart function.

When using the FlexiTimer function, make sure that the detergent compartment is dry before adding detergent. Wipe dry with a cloth if necessary. If the compartment is wet, cleaning agent can become lumpy and stick to the dispenser, with the result that it is not fully dispensed.

 To prevent children coming into contact with dishwasher detergent: Do not fill the detergent dispenser **until just before starting the program**, i.e., before you activate the FlexiTimer with *OK*. Also activate the safety lock.

- Switch the dishwasher on with the  button.

The *Start* indicator light flashes.

- Select the desired program.
- Press the  button.

You can use the   arrow buttons to select the *Start at*, *Finish at*, *EcoStart*, and *Back*  functions.

- Confirm selection of the function you want with *OK*.

The current time of day will appear and the hour number block will be highlighted.

You can now enter the time you want using the   arrow buttons and confirm with *OK*.

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

If the time of day (clock) display has been switched off (see “Settings menu – Time of day”), the display will go out after a few minutes and only the *Start* indicator light will flash slowly.

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

Options

Start at

With the Start at function, you set the time at which you want the program to start.

- Use the $\vee\wedge$ arrow buttons to set the hour and confirm with *OK*.

The hour will be saved and the minute number block will be highlighted.

- Use the $\vee\wedge$ arrow buttons to set the minutes and confirm with *OK*.

The saved start time for the program selected will appear in the display.

The *Start* indicator light will come on.

When the set time is reached, the program selected will begin automatically. The time remaining will appear in the display, the \odot indicator light will go out, and the *Start* indicator light will come on.

Finish at

With the Finish at function, you set the time at which you wish the program to finish.

- Use the $\vee\wedge$ arrow buttons to set the hour and confirm with *OK*.

The hour will be saved and the minute number block will be highlighted.

- Use the $\vee\wedge$ arrow buttons to set the minutes and confirm with *OK*.

The estimated start time for the program selected will appear in the display. The *Start* indicator light will come on.

A message will appear in the display if the program cannot be completed by the set finish time because it has too long a running time.

The program will start automatically when the estimated start time is reached.

The time remaining will appear in the display, the \odot indicator light will go out, and the *Start* indicator light will come on.

EcoStart

The EcoStart function enables you to benefit from cheaper electricity rates at night. To do this you need to set between one and three electrical rate time periods once only (see “Settings menu, EcoStart”).

Then set the time by which the selected program has to be finished.

The dishwasher will then start automatically in the most economical rate zone within the time set.

- Use the $\vee\wedge$ arrow buttons to set the hour and confirm with *OK*.

The hour will be saved and the minute number block will be highlighted.

- Use the $\vee\wedge$ arrow buttons to set the minutes and confirm with *OK*.

The estimated start time for the program selected will appear in the display. The \oplus and *Start* indicator lights will light up.

The selected program will start automatically during the most economical time period. It will finish at the latest by the set finish time.

The time remaining will appear in the display, the \oplus indicator light will go out, and the *Start* indicator light will come on.

Changing or deleting set times

You can change the set times or start the program before the start time in the display is reached.

- Press the \ominus button.
- Use the $\vee\wedge$ arrow buttons to select the setting you want to change and confirm with *OK*.
- Use the $\vee\wedge$ arrow buttons in the display to select the *Change* or *Delete* function and confirm with *OK*.

After confirming the *Change* function, you can change the set time.

After the *Delete* function is confirmed, the program cycle time of the selected program will appear in the display and the program will start.

The \ominus indicator light goes out and the *Start* indicator light lights up.

Program chart

Program	Application	Detergent	
		The following dosages are based on Miele cleaning agents. Please follow manufacturer's instructions on dosage.	
		Compartment I ¹⁾	Compartment II ¹⁾
 ProSpeed	For fresh, non-sticky food residues.		20 – 25 g or 1 tab
 Universal	For normal, slightly dried food residues.		20 – 25 g or 1 tab
 Pots & Pans	For burnt-on, stubborn, dried-on food deposits containing starch or protein ¹⁾ .	10 g	20 – 25 g or 1 tab
 Plastics	Special plastics program.		20 – 25 g or 1 tab
 China & Crystal	Special glassware program.		20 – 25 g or 1 tab
 Sanitize	Special hygiene program for items that need to be hygienically clean.		20 – 25 g or 1 tab
 Rinse & Hold	To rinse heavily soiled items, e.g., for initial removal of dirt or to prevent residues drying on to dishes when a complete program does not yet need to be run.		
 ECO *)	Program for completely washing a full load of normally soiled dishware. Energy-saving program with a long running time.		20 – 25 g or 1 tab

*) This program is the most efficient in terms of its combined energy and water consumption.
(fixed program sequence which cannot be altered)

¹⁾ see "Operation – Detergent"

Program chart

Program cycle							
Pre-rinse	Main wash	Interim rinse I	Interim rinse II ²⁾	Final rinse	Drying	Additional drying	AutoOpen
	X 160 °F (70 °C) 30 s	X 10 s	(X)	X 150 °F (65 °C) ³⁾ 10 s		(X) 15 min	4)
	X 150 °F (65 °C) 10 min	X 3 min	(X)	X 150 °F (65 °C) ³⁾ 1.5 min		(X) 30 min	(X)
X 8 min	X 165 °F (75 °C) 10 min	X 3 min	(X)	X 150 °F (65 °C) ³⁾ 1.5 min		(X) 30 min	(X)
X 10 min	X 120 °F (50 °C) 1 min	X 5 min		X 140 °F (60 °C) 30 s	X 45 min		(X)
	X 120 °F (50 °C) 1 min	X 3 min	(X)	X 120 °F (50 °C) 1 min		(X) 20 min	(X)
X 8 min	X 140 °F (60 °C) 10 min	X 3 min	(X)	X 180 °F (82 °C) 15 s		X 30 min	(X)
	X Cold 10 min						
	X 126 °F (52 °C) 40 min	X 5 min		X 140 °F (60 °C) 30 s	X 30 min		(X)

X = stages included in a program

(X) = optional stages which can be selected (see "Program options, Options")

²⁾ Select Interim rinse II via the Settings button ☰ (see "Menu Settings, 2nd Interim rinse").

³⁾ Optional temperature increase to 180 °F for 15 s (82 °C).

⁴⁾ Due to the short program duration, AutoOpen does not take place at the end of the program.

⁵⁾ Without rinse aid and with cold water.

Program chart

Program	Consumption ⁶⁾			Duration ⁶⁾	
	Energy		Water		
	Cold water 60 °F (15 °C)	Hot water 130 °F (55 °C)		Cold water 60 °F (15 °C)	Hot water 130 °F (55 °C)
ProSpeed	120 V 1.5 kW	120 V 1.5 kW	120 V 1.5 kW	120 V 1.5 kW	120 V 1.5 kW
Universal	1.7 kWh	1.1 kWh	3.8 gal (14.5 L)	88 min ⁷⁾	58 min ⁷⁾
Pots & Pans	1.7 kWh	1.0 kWh	4 gal (15.2 L)	99 min ⁷⁾	72 min ⁷⁾
Plastics	1.9 kWh	1.1 kWh	5.3 gal (20.2 L)	119 min ⁷⁾	84 min ⁷⁾
China & Crystal	1.3 kWh	0.5 kWh	5.3 gal (20.2 L)	135 min	97 min
Sanitize	1.0 kWh	0.5 kWh	4 gal (15.2 L)	61 min ⁷⁾	37 min ⁷⁾
Rinse & Hold	2.2 kWh	1.4 kWh	5.3 gal (20.2 L)	124 min ⁷⁾	89 min ⁷⁾
ECO 13 place settings	0.02 kWh	0.02 kWh	1.5 gal (5.5 L)	13 min	13 min
ECO 14 place settings	0.927 kWh	0.6 kWh	3.6 gal (13.8 L)	215 min	206 min
	0.941 kWh	0.6 kWh	3.6 gal (13.8 L)	216 min	207 min

⁶⁾ The quoted values are calculated in accordance with EN 50242 for a connected load of 1.5 kW. In practice considerable variations may be noted due to differing conditions.
The duration displayed is adjusted to the on-site conditions.

⁷⁾ The value is based on the wash time without drying.

Program chart

Program	Consumption ⁶⁾						Duration ⁶⁾			
	Energy				Water					
	Cold water 60 °F (15 °C)		Hot water 130 °F (55 °C)				Cold water 60 °F (15 °C)		Hot water 130 °F (55 °C)	
	208 V 3.5 kW	240 V 4.2 kW	208 V 3.5 kW	240 V 4.2 kW	208 V 3.5 kW	240 V 4.2 kW	208 V 3.5 kW	240 V 4.2 kW	208 V 3.5 kW	240 V 4.2 kW
⌚ ProSpeed	1.5 kWh		1.0 kW h	0.9 kW h	3.8 gal (14.5 L)		38 min 7)	33 min 7)	28 min 7)	24 min 7)
⌚ Universal	1.5 kWh		0.9 kWh		4 gal (15.2 L)		53 min 7)	48 min 7)	42 min 7)	39 min 7)
⌚ Pots & Pans	1.7 kWh		1.0 kWh		5.3 gal (20.2 L)		74 min 7)	69 min 7)	61 min 7)	60 min 7)
🍽 Plastics	1.2 kWh		0.5 kWh		5.3 gal (20.2 L)		98 min	94 min	85 min	84 min
⌚ China & Crystal	1.0 kWh		0.4 kWh		4 gal (15.2 L)		33 min 7)	31 min 7)	23 min 7)	22 min 7)
✚ Sanitize	2.1 kWh		1.3 kWh		5.3 gal (20.2 L)		76 min 7)	71 min 7)	60 min 7)	58 min 7)
🚿 Rinse & Hold	0.02 kWh		0.02 kWh		1.5 gal (5.5 L)		13 min		13 min	
ECO 13 place settings	0.927 kWh		0.6 kWh		3.6 gal (13.8 L)		215 mi n	215 mi n	206 mi n	206 mi n
ECO 14 place settings	0.941 kWh		0.6 kWh		3.6 gal (13.8 L)		216 mi n	216 mi n	207 mi n	207 mi n

⁶⁾ Values quoted are in accordance with EN 50242. In practice considerable variations may be noted due to differing conditions.

The duration displayed is adjusted to the on-site conditions.

⁷⁾ The value is based on the wash time without drying.

Settings menu

Adjusting default values

Open the Settings menu

- Switch the dishwasher on with the  button if it is switched off.
- Open the Settings menu with the .

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

See “Display functions” for more information about the display and controls.

- Use the   arrow buttons underneath the display to select the option you want to change and confirm your selection with *OK*.

Sub-menu options which have already been selected will have a check  beside them.

- To exit a sub-menu, use the   arrow buttons to select *Back*  and confirm with *OK*.

The display will revert to the menu above.

Language

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

You can change the language in the display via the Language  sub-menu.

- Select the language you want as well as the country, if appropriate, and confirm with *OK*.

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 option which has a flag after it until you reach the Language  submenu.

Time of day

The dishwasher is delivered with the time of day (clock) display deactivated.

To save energy, the dishwasher will turn off automatically a few minutes after the last time a button has been pressed or after the end of a program.

Setting the time of day (clock) display

When the time of day (clock) display has been activated, the current time of day will appear in the display a few minutes after the last time a button has been pressed or after the end of a program. This will increase energy consumption.

- Select the Display option and confirm with OK.
- Select the setting you want and confirm with OK.
- If you have selected On, confirm the message about higher energy consumption with OK.

Setting the clock format

You can select either a 24-hour or 12-hour clock.

- Select the Clock format menu option.
- Select the setting you want and confirm with OK.

Setting the time of day

You can set the time of day.

The current time of day must be set before you can use the "FlexiTimer" programming option.

- Select the Set menu option.
- Use the $\vee\wedge$ arrow buttons to set the hours and confirm with OK.
Then set the minutes and confirm with OK.

The time of day has now been saved.

Synchronize

This option is only displayed if you have activated the network settings (see "Settings menu – Network").

You can adopt the current time of day from another Miele@home SuperVision machine.

- Select the Synchronize menu option.
- Select the setting you want and confirm with OK.

The time from the SuperVision machine will be displayed.

Settings menu

Water hardness

Your dishwasher is fitted with a water softener. You need to program the water softener to the water hardness level in your area.

- The dishwasher must be programmed for the water hardness in your area.
- Your local water supplier can tell you the water hardness level in your area.
- Where the water hardness fluctuates (e.g., between 18 - 26 gr/gal (17 - 25 °d)) always program the dishwasher to the higher value (26 gr/gal or 25 °d in this example).
- Select the hardness of your water and press the center button to confirm.

A check ✓ will appear beside the water hardness which has been set.

°d	gr/gal	Display
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36

Rinse Aid

You can adjust the rinse aid dosage for best results.

The dispenser can be set between 0 and 6 mL.

3 mL is set as standard.

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

If spots appear on dishware and glassware:

- Increase the rinse aid dosage.

If clouding or smearing appears on dishware and glassware:

- Decrease the rinse aid dosage.
- Select the setting you want and confirm your choice with *OK*.

Temperature unit

The temperature can be displayed in degrees Celsius or degrees Fahrenheit.

- Select the setting you want and confirm with *OK*.

High-temperature final rinse

For better drying, the final rinse temperature can be increased for individual programs. This function is not available for all programs (see "Program guide").

- Select the setting you want and confirm with *OK*.

Settings menu

EcoStart

In order to run your dishwasher in the most economical way, you can use the EcoStart option to take advantage of your electricity supplier's time variable rates (see "Options, FlexiTimer with EcoStart").

With this option selected, your dishwasher will start automatically at your electricity supplier's cheapest rate times.

To use this option you must first set up to three electricity rate time periods in which the dishwasher can start. You can allocate different priorities to these time periods. The time with the cheapest electricity rate will be given Priority 1.

Contact your electric supplier to find out the times of the cheapest electricity rates.

Once the electricity rate times have been set, you can use the EcoStart option to set the latest finish time required for each program.

The dishwasher will then start automatically in the cheapest electricity rate time period and the program will end at the latest at the finish time set.

Setting the electricity rate times

Before you can use the EcoStart option, you must set at least one electricity rate time.

- Use the $\vee\wedge$ arrow buttons to select the electricity rate time (R1–R3) you want to set and confirm with OK.

The start of the electricity rate time selected will appear in the display and the hour number block will be highlighted.

- Use the $\vee\wedge$ arrow buttons to set the hours and minutes for the start time and confirm both with OK.

The end of the electricity rate time selected will appear in the display and the hour number block will be highlighted.

- Use the $\vee\wedge$ arrow buttons to set the hours and minutes for the end time and confirm both with OK.

The electricity rate time will be saved and its priority will appear in the display.

- Use the $\vee\wedge$ arrow buttons to set the priority you want and confirm with OK.

- Confirm the message with OK.

The electricity rate time will be activated.

Deleting the electricity rate times

- You can delete the settings for an electricity rate time and in doing so deactivate the EcoStart option for this time period.
- Use the $\vee\wedge$ arrow buttons to select the electricity rate time (R1–R3) you want to delete and confirm with *OK*.
- For example, select Delete R1 and confirm with *OK*.
- For example, select Delete R1? and confirm with *OK*.

The settings for the electricity rate time selected will be reset.

- Confirm the message with *OK*.

The electricity rate time has now been deleted.

Settings menu

Networking

Your dishwasher is equipped with an integrated WLAN module.

In order to connect your dishwasher to your WLAN network, you must first activate the network function.

This will add the Miele@home enabled menu option to the Settings menu.

Networking is deactivated at the factory.

Make sure that your WLAN network signal strength is strong enough at the installation site of your dishwasher.

- Select the setting you want and confirm with *OK*.

Miele@home

This menu option is only displayed if you have activated the network settings (see "Settings – Network").

There are a number of ways of connecting your dishwasher to your WLAN network:

MielePro@mobile app

The MielePro@mobile app is available to download free of charge from the Apple App Store® or from the Google Play Store™.



After installing the MielePro@mobile app on a mobile device, you can do the following:

- Operate your professional machine remotely
- Call up information on the operating status of your professional machine
- Call up information on the program sequence of your professional machine
- Set up a Miele@home network with other WLAN-enabled Miele professional machines

WPS push button

As an alternative to networking your dishwasher via the MielePro@mobile app, we recommend using WPS (Wireless Protected Setup). To do so you will need a WPS-compatible router.

- Select the WPS push button menu option.

Please wait will appear in the display.

- Activate the “WPS” function on your router within two minutes.
- Once connection has been established, confirm the message with *OK*.

The dishwasher will then revert to the Miele@home enabled menu.

If the connection fails, you have probably not connected WPS to your router quickly enough. Repeat the steps above.

SmartStart

The SmartStart function is used for starting your dishwasher automatically at a time when your energy costs are most economical.

If the Permitted SmartStart option has been activated, SmartStart will appear in the FlexiTimer menu  of the selected program instead of EcoStart. The dishwasher will then start within the time-frame specified when it receives a signal from the energy supplier.

If it has not received a signal from the energy supplier by the latest start time set, the dishwasher will start automatically.

- Select the setting you want and confirm with *OK*.
- Confirm the message with *OK*.

Settings menu

Remote control

Once you have installed the MielePro@mobile app on your tablet PC or your smartphone, you will be able to operate your dishwasher remotely. Your dishwasher must be signed on to a WLAN network and the Remote control function must be activated.

- Select the setting you want and confirm with *OK*.
- Use the option **Back** ↺ to access the **Settings** └ menu.
- Use **Close** to leave the **Settings** └ menu.
- Select the **Settings** ☰ option again.

Once you have activated the Remote control function, the MobileControl option will be the first option listed under Settings ☰.

In order to operate the dishwasher with the MielePro@mobile app, please activate the MobileControl function.

- Confirm the MobileControl menu option with *OK*.
- Close the door and press the *Start* button.

The *Start* indicator light will come on and **Remote active** will appear in the display.

The dishwasher can now be operated remotely using the MielePro@mobile app.

If the time of day (clock) display has been switched off (see “Settings menu, Time of day”) the display will go out if you have activated a delay start time or remote control after a few minutes and only the *Start* indicator light will flash slowly.

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

If you now do not wish to operate the dishwasher remotely with the MielePro@mobile app, you can cancel the MobileControl function.

- Switch the dishwasher off with the ① button.

System settings

This function is reserved for Miele Customer Service and used to add your professional machine to your network manually.

Module settings

We recommend connecting your dish-washer to your WLAN network using the MielePro@mobile app or via WPS.

If you would rather set up the connection to your router yourself, or you have a special network configuration, you can enter the relevant settings with the necessary technical knowledge.

Start module activity

If you wish to reset all entered settings and values for Miele@home, you can restore the standard settings on your WLAN module. Any settings that do not affect Miele@home will remain unchanged.

- Select Default settings and confirm with OK.

Please wait will appear in the display.

The message Module status: Process successful will appear in the display after a few minutes.

- Confirm the message with OK.

The WLAN module factory default settings have been restored.

If the factory default settings were not restored to your WLAN module, repeat the instructions above.

Settings menu

2nd interim rinse

You can increase the cleaning performance in the case of stubborn soiling by selecting a second interim rinse. This function is not available for all programs (see "Program guide").

- Select the setting you want and confirm with *OK*.

Brightness

There are seven different display brightness settings.

- Select the brightness you want and confirm this with *OK*.

Refill reminders

If you consistently use a Tab detergent and the refill indicators for salt and rinse aid are bothering you, you can deactivate them if you wish.

- Select the setting you want and confirm with *OK*.

If you switch to using detergent that does not contain salt or rinse aid, it is important to remember to add dishwasher salt and rinse aid and to switch the indicators back on.

Check filters

You can adjust the interval at which the message to remind you to check the filters appears.

You can set an interval between 30 and 60 program cycles.

The "Check filters" message is set at the factory to appear after every 50 program cycles.

- Select the interval you want and confirm this with *OK*.

AutoOpen Drying

At the end of programs with a drying phase (see "Program guide"), the door will open automatically a little in order to help the drying process.

With the *ECO* program (if available) the door opens during the drying phase.

This function can be deactivated if you wish.

- Select the setting you want and confirm with *OK*.

 If you have deactivated the automatic door opening function but would still like to open the door at the end of the program, then make sure that you open the door fully. Otherwise, steam from the dishwasher could damage the edge of the counter because the fan is no longer running.

Software version

You can display the electronic software version of your dishwasher electronics for technical support purposes.

- Confirm the display with *OK*.

Settings menu

Showroom program

For demonstration purposes only!

The dishwasher is fitted with various demonstration programs for showroom use.

- Demo mode
Demonstration program for showrooms.
- Demo with sound
This program activates the circulation pump to demonstrate the sound of the dishwasher.
- Demo Auto Open
The door will open automatically.
- BrilliantLight
The interior lighting is on constantly.

Factory default settings

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

WLAN module settings (where applicable) have to be reset separately (see “Settings – Miele@home – Module settings”).

- Select Reset and confirm with OK.

Closing the Settings menu

You can exit the Settings menu using Close.

- Select Close and confirm with OK.

The program selected will appear in the display briefly and the indicator light for the program selected will come on.

Maintenance

To prolong the service life of the Commercial Dishwasher, it should be serviced **at least once a year** by Miele Technical Service.

Maintenance covers the following:

- Electrical safety according to national regulations
- Door mechanism and door seal
- Any screw connections and connectors in the wash cabinet
- Water inlet and drainage
- Internal and external dispensing systems
- Spray arms
- Filter combination
- Sump including drain pump and non-return valve
- All baskets and inserts

The following operational tests will be carried out as part of the maintenance:

- A program will be run as a test run
- Seals will be tested for water tightness
- All relevant measuring systems will be safety tested, including fault displays
- Safety features



All surfaces of this machine are susceptible to scratching.

Contact with unsuitable cleaning agents can alter or discolor all surfaces.

Cleaning the wash chamber

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

If, despite this, limescale or grease deposits build up in the chamber, these can be removed with a proprietary dishwasher cleaner (available from Miele). Follow the dosage recommended by the manufacturer on the packaging.

- Clean the filters in the wash chamber regularly.

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

Cleaning and care

Cleaning the door and the door seal

The door seal and the sides of the dishwasher door are not accessed and cleaned by the spray arm jets.

- Regularly wipe off any food or drink residues which may have dripped onto the sides and seals of the dishwasher door with a damp cloth before closing it to prevent the build-up of mold.

Cleaning the door front

 If soiling remains longer, it may happen that the surfaces can become discolored or changed.

Remove any soiling immediately.

- Clean the front with a solution of warm water and a little dishwashing liquid applied with a soft sponge. Wipe the surfaces dry using a soft cloth.

 Glass cleaners may be used to clean the exterior. However **do not** allow them to sit or "puddle", this can cause damage to the surface.

Remove the cleaner promptly.

To better maintain your appliance avoid the following:

- Cleaning products containing soda, ammonia, acid, or chloride
- Descaling agents
- Abrasive cleaning products, such as scouring powder, scouring liquid, or pumice stones,
- Cleaners containing solvents
- Stainless steel cleaners
- Dishwasher cleaner
- Oven cleaners
- Glass cleaner
- Hard, abrasive brushes or sponges, e.g., pot scourers, brushes or sponges which have been previously used with abrasive cleaning agents
- Eraser sponges
- Sharp metal scrapers
- Steel wool
- Steam cleaning appliances

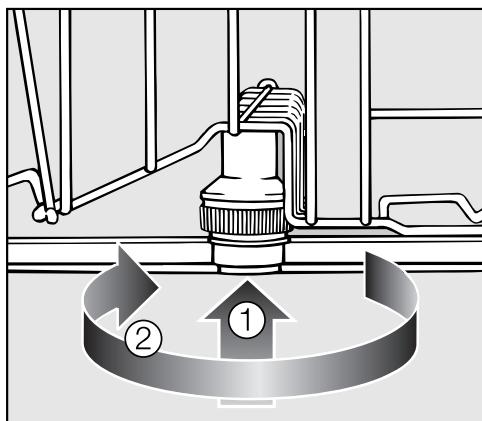
Cleaning the spray arms

Particles of food can get stuck in the spray arm jets and bearings. The spray arms should therefore be checked and cleaned regularly.

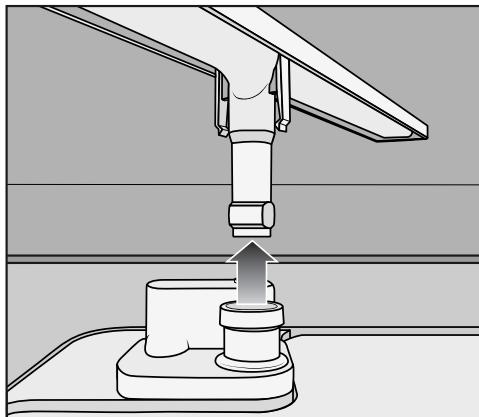
- Turn the dishwasher off.

Remove the spray arms as follows:

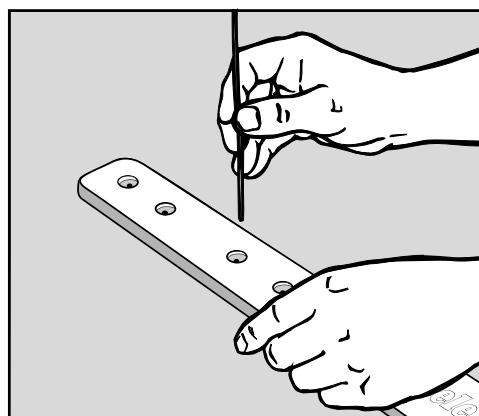
- Take out the cutlery tray (if applicable).
- Push the **top** spray arm upward to engage the inner ratchet, then unscrew the spray arm.



- Push the **middle** spray arm upward ① to engage the ratchet, then unscrew the spray arm ②.
- Remove the lower basket.



- Pull the **lower** spray arm firmly upward to remove it.



- Use a pointed object to push food particles in the jets into the spray arms.
- Rinse the spray arms thoroughly under running water.
- Reinstall the spray arms and check that they rotate freely.

Cleaning and care

Checking the filters in the wash chamber

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

 This dishwasher must not be used without all the filters in place!

Filters can become blocked by soiling which collects over time. The level of soiling and 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 program cycles (factory default setting).

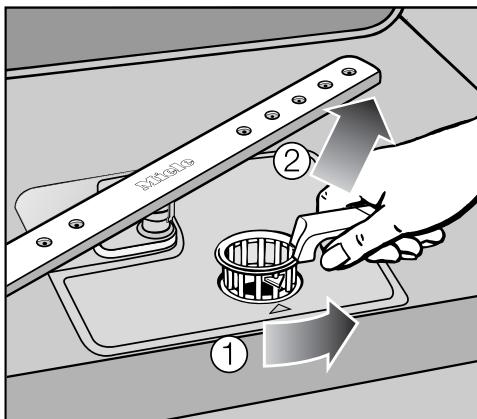
You can set the interval for the "Check filters" message to appear to a value between 30 and 60 program cycles (see "Settings menu – Check filters").

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

The message will go out.

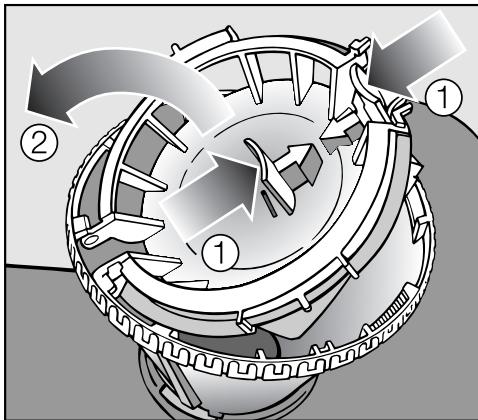
Filter system

- Turn the dishwasher off.



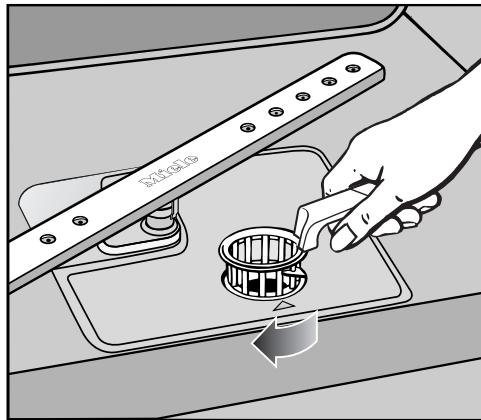
- Turn the handle counter-clockwise to release the filter system ①.
- Lift the filter system out of the dishwasher ②. Remove any coarse particles and rinse the filter well under running water.
Use a nylon brush if necessary.

 Ensure that coarse soil does not get into the circulation system and cause a blockage.



To clean the inside of the filter, the flap must be opened:

- Press catches ① together in the direction of the arrows as shown, and open the filter ②.
- Rinse all the filters under running water.
- Then close the flap so that the catch engages.



- Replace the filter system so that it lies flat in the base of the wash cabinet.
- Then turn the handle clockwise until both arrows point towards each other. This will lock the filter system in place.

⚠ Take care when you are fitting the filter system that it is secured in position correctly.

Otherwise coarse soil could get into the circulation system and cause a blockage.

Frequently asked questions

With the aid of the following guide, most minor problems can be corrected without contacting Miele. In many cases, this will save you time and money because you won't need to call Miele Technical Service.

The following guide should help you to find the reason for a malfunction or fault, and to correct it. However, please note:

 Repairs must only be carried out by Miele Technical Service, a Miele authorized service agent, or a suitably qualified technician in accordance with local and national safety regulations. Repairs by unqualified persons can cause considerable danger to users.

Technical problems

Problem	Possible cause and solution
The display remains dark and the <i>Start</i> indicator light is not flashing after the dishwasher has been turned on with the  button.	<p>The dishwasher is not plugged in.</p> <ul style="list-style-type: none">■ Insert the plug. <p>The fuse has tripped.</p> <ul style="list-style-type: none">■ Reset the fuse (see data plate for the correct fuse rating).
The dishwasher stops during a program.	<p>The fuse has tripped.</p> <ul style="list-style-type: none">■ Reset the fuse (see data plate for the correct fuse rating).■ If the fuse trips again, contact Miele Customer Service.
The door locking pins do not retract after the door has opened automatically.	<p>There is a fault with the door mechanism or the door has not been correctly balanced.</p> <ul style="list-style-type: none">■ Call Miele Customer Service. <p>The dishwasher can only be used again with the AutoOpen function switched off. There is a danger of injury in the unlikely event of a fault with the opening mechanism.</p>

Frequently asked questions

Problem	Possible cause and solution
One of the following fault messages is displayed:	<p>Before remedying the fault:</p> <ul style="list-style-type: none">■ Turn the dishwasher off with the  button.
 Fault FXX	<p>There may be a technical fault. After a few seconds:</p> <ul style="list-style-type: none">■ Turn the dishwasher back on.■ Select the desired program.■ Press the <i>Start</i> button. <p>If the fault message is displayed again, there has been a malfunction.</p> <ul style="list-style-type: none">■ Contact Miele Service.
 Waterproof	<p>The Waterproof system was activated.</p> <ul style="list-style-type: none">■ Close the water supply.■ Contact Miele Service.
 Fault F78	<p>A fault has occurred in the circulation pump.</p> <ul style="list-style-type: none">■ Turn the dishwasher off for at least 30 seconds with the  button.■ Turn the dishwasher back on.■ Select the desired program.■ Press the <i>Start</i> button. <p>If the fault message is displayed again, there has been a malfunction.</p> <ul style="list-style-type: none">■ Call Miele Customer Service.

Frequently asked questions

Faults with water intake or drainage

Problem	Possible cause and solution
One of the following fault messages is displayed:  Open water supply	The faucet is closed. ■ Open the faucet completely.
 Intake	Before remedying the fault: ■ Turn the dishwasher off with the  button. There is a problem with the water intake. ■ Open the faucet completely and start the program again. ■ Clean the water intake filter (see "Frequently asked questions"). ■ The flow pressure at the water connection is lower than 30 kPa (0.3 bar). Consult a plumber.
The following fault message appears in the display:  Drain	Before remedying the fault: ■ Turn the dishwasher off with the  button. Water drainage fault. There might be water in the wash chamber. ■ Clean the filter combination (see "Cleaning and care – Cleaning the filters"). ■ Clean the drain pump (see "Frequently asked questions"). ■ Clean the non-return valve (see "Frequently asked questions"). ■ Remove any kink or loop in the drain hose.

Frequently asked questions

General dishwasher problems

Problem	Possible cause and solution
The indicator lights and display are dark.	The dishwasher has switched off automatically to save energy. ■ Turn the dishwasher on again with the ① button.
Detergent residue is left in the detergent compartment at the end of a program.	The detergent compartment was still damp when detergent was added. ■ Make sure the compartment is dry before adding detergent.
The detergent dispenser flap cannot be closed.	Detergent residue is blocking the latch. ■ Remove the detergent residue.
The inside of the door and/or the interior walls are wet after a program has finished.	This is not a fault. It is caused by the drying system. The moisture will dissipate after a short while.
Water remains in the wash chamber at the end of a program.	Before remedying the fault: ■ Turn the dishwasher off with the ① button. The filter combination in the wash chamber is clogged. ■ Clean the filter combination (see "Cleaning and care – Cleaning the filters"). The drain pump or non-return valve is blocked. ■ Clean the drain pump or the non-return valve (see "Frequently asked questions"). The drain hose is kinked. ■ Remove the kink.

Frequently asked questions

Noises

Problem	Possible cause and solution
There is a knocking noise in the wash cabinet.	A spray arm is hitting the dishware. ■ Interrupt the program, and rearrange the items which are obstructing the spray arm.
There is a rattling noise in the wash cabinet.	Dishware is moving around in the wash cabinet. ■ Interrupt the program and rearrange loose pieces.
	A foreign object (e.g. a cherry pit) has become lodged in the drain pump. ■ Remove the foreign object from the drain pump (see "Cleaning the drain pump and non-return valve").
There is a knocking noise from the water pipe	This may be caused by the installation or the diameter of the water pipe. However, this will not affect the dishwasher function in any way. ■ If in doubt, contact a plumber.

Frequently asked questions

Poor cleaning results

Problem	Possible cause and solution
The dishes are not clean.	<p>The dishes were not loaded correctly.</p> <ul style="list-style-type: none">■ See notes in “Loading the dishwasher”.
	<p>The program was not suitable for the requirements.</p> <ul style="list-style-type: none">■ Select a more suitable program (see “Program guide”).
	<p>Not enough detergent was dispensed.</p> <ul style="list-style-type: none">■ Increase the dosage.
	<p>The detergent used is not suitable for the type of soiling present.</p> <ul style="list-style-type: none">■ Switch to another detergent.
	<p>Items are blocking the path of the spray arms.</p> <ul style="list-style-type: none">■ Rearrange the items so that the spray arms can rotate freely.
	<p>The filter system in the base of the wash chamber is not clean or is not correctly fitted. This may cause the spray arm jets to become blocked.</p> <ul style="list-style-type: none">■ Clean and/or fit the filter combination correctly.■ Clean the spray arm jets, if necessary (see “Cleaning and care – Cleaning the spray arms”).
	<p>The non-return valve is open and blocked. Dirty water has flowed back into the wash chamber.</p> <ul style="list-style-type: none">■ Clean the drain pump and the non-return valve (see “Frequently asked questions”).
Smearing appears on glassware and cutlery. There is a bluish sheen on the surface of glassware; film can be wiped off.	<p>The rinse aid dosage is set too high.</p> <ul style="list-style-type: none">■ Reduce the dosage (see “Settings menu - Rinse aid”).

Frequently asked questions

Problem	Possible cause and solution
Dishware is not dry or cutlery and glasses are spotty.	The rinse aid dosage is set too low or the rinse aid reservoir is empty. ■ Replenish the reservoir, increase the dosage, or change the brand of rinse aid (see "Before using for the first time – Rinse aid").
	Dishware was taken out of the chamber too soon. ■ Leave it in for longer (see "Operation").
Glasses have a brown-ish-blue discoloration; the deposit cannot be wiped off.	Detergent deposits. ■ Switch to another detergent right away.
Glasses are dull and discolored; the deposit cannot be wiped off.	The glassware is not dishwasher-safe. The surfaces are affected. ■ Purchase glassware which is dishwasher-safe.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected program was too low. ■ Select a program with a higher wash temperature.
	The bleaching effect of the detergent is too low. ■ Switch to another detergent.
Plastic parts are discolored.	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 "Operation, Adding detergent"). Discolored plastic items will not regain their original color.

Frequently asked questions

Problem	Possible cause and solution
White residue is visible on the dishware. Clouding occurs on glass-ware and cutlery; the deposit can be wiped off.	<p>The rinse aid dosage is too low.</p> <ul style="list-style-type: none">■ Increase the dosage (see “Settings menu – Rinse aid”). <p>The salt reservoir is empty.</p> <ul style="list-style-type: none">■ Fill the salt reservoir (see “Before using for the first time – Dishwasher salt”). <p>The salt reservoir cap has not been screwed on correctly.</p> <ul style="list-style-type: none">■ Replace it, making sure that it screws back on correctly. <p>The water softener is programmed to too low a water hardness level.</p> <ul style="list-style-type: none">■ Program the water softener to a higher water hardness level (see “Settings menu – Water hardness”).
There are rust stains on the cutlery.	<p>A program was not run after dishwasher salt was added. Traces of salt have got into the wash cycle.</p> <ul style="list-style-type: none">■ Always run the  Rinse & Hold program after refilling salt. <p>The affected items are not corrosion resistant.</p> <ul style="list-style-type: none">■ Purchase cutlery which is dishwasher-proof.

Frequently asked questions

Cleaning the water intake filter

A filter is incorporated in the screw connection of the water intake valve. The filter must be cleaned when dirty; otherwise, insufficient water will flow into the wash cabinet.

⚠ The plastic housing of the water connection contains an electrical component.
The housing must not be dipped in water.

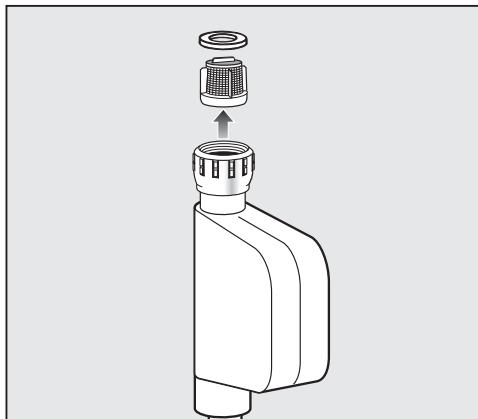
Recommendation

If your water supply contains a large number of insoluble substances, we recommend fitting a large-area filter in the connection between the water supply valve and the water intake hose threaded union.

This filter can be purchased from your Miele dealer or from Miele Service.

To clean the filter:

- Disconnect the dishwasher from the power supply.
Switch off at the electrical socket and withdraw the plug.
- Close the water supply.
- Unscrew the water intake valve.

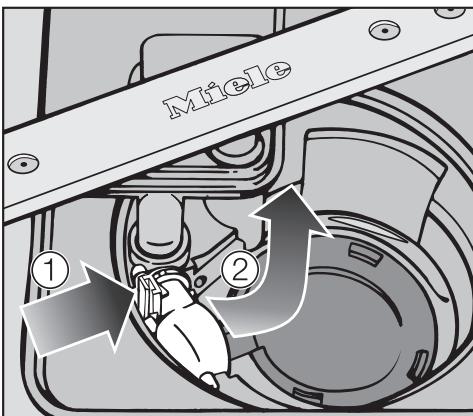


- Take the seal ring out of the screw connection.
 - Withdraw the filter using pointed pliers and rinse clean under running water.
 - Put the filter and seal back into place. Make sure they are fitted correctly.
 - Reconnect the water intake valve to the faucet, making sure it goes on correctly and is not cross-threaded.
 - Turn on the water supply.
- If water leaks out, the screw connection may not be connected securely or it may have been screwed on at an angle.
- Unscrew and reconnect the water intake valve correctly.

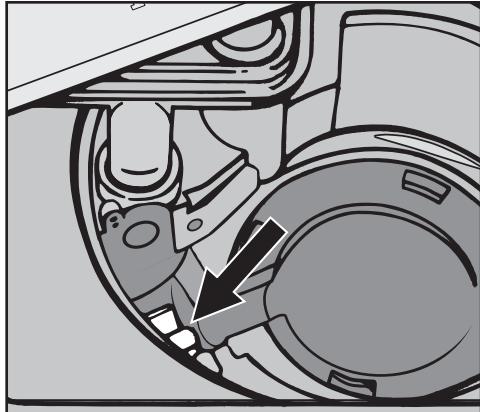
Cleaning the drain pump and non-return valve

If the water has not been pumped away at the end of a program, the drain pump or the non-return valve might be blocked. They are, however, easy to clean.

- Disconnect the dishwasher from the electrical supply. Turn off the dishwasher and withdraw the plug.
- Take the filter system out of the wash cabinet (see "Cleaning and care, Cleaning the filters").
- Scoop the water out of the wash cabinet using a suitable container or utensil.



- Press the catch for the non-return valve inwards ①.
- Tilt the non-return valve inwards until it is released ②.
- Rinse it thoroughly under running water and remove any dirt from the non-return valve.



The drain pump is located underneath the non-return valve (see arrow).

- Remove all foreign objects from the drain pump (glass or bone splinters). Before returning the non-return valve, check that the drain pump is not blocked. Spin the impeller several times in both directions to check for obstructions.
- Carefully reinsert the non-return valve and secure it with the locking clamp.

⚠ Make sure the locking clamp clicks into place!

⚠ Be careful not to damage any delicate components when cleaning the drain pump and the non-return valve.

Miele Service

Contact in the event of a fault

In the event of a fault which you cannot remedy yourself, please contact your Miele dealer or Miele Customer Service.

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

Please quote the model and serial number of your dishwasher when contacting Miele. These can be found on the data plate along the right edge of the open door.

Program updates

The program update function is designed to enable a service technician to update your dishwasher's electronics in keeping with advances in technology.

Program updates can only be performed by a Miele service technician.

Accessories

Some accessories may be supplied as standard, depending on model.

Cappuccinatore insert

The Cappuccinatore insert for the upper basket can be used for cleaning the individual parts of the Miele Cappuccinatore in the dishwasher.

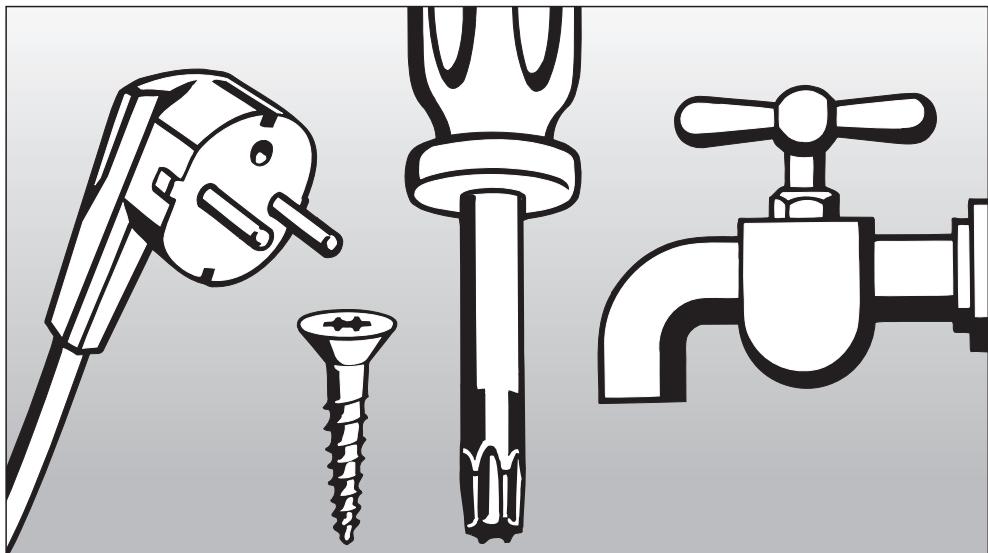
Cutlery basket

The cutlery basket is placed in the lower basket and can be used to wash additional items of cutlery in a dishwasher which is fitted with a cutlery tray.

Glass rail

This rail is designed to hold glasses with stems securely in the lower basket.

Installation Instructions



Please refer to the Installation Diagram supplied with these instructions.

To comply with IEC sound testing protocols, please contact Miele for additional instructions.

Information is subject to change. Please refer to our website to obtain the most current product specification, technical & warranty information.

Electrical connection

 All work on the electrical connection must be carried out by Miele Technical Service, an authorized Miele dealer or a qualified service technician.

- The electrical installation must be in compliance with current local and national safety regulations.
- The plug connection must comply with national regulations (plug and socket must be accessible after the machine has been installed). This therefore facilitates an electrical safety test performed during maintenance or service work, for example.
- If the dishwasher is hard-wired to the power supply, a power switch capable of disconnecting the dishwasher at all poles must be installed. This power switch must have a contact gap of at least 3 mm and also be lockable in the off-position.
- If necessary, equipotential bonding must be carried out.
- If replacing the power cord, use only original Miele replacement parts or a suitable cord with **core cable ends**.
- For technical data, see the data plate or the attached wiring diagram!

The dishwasher must only be operated with the voltage, frequency, and fuse rating shown on the **data plate**.

This machine **can be converted to a different type of power supply** in accordance with the conversion diagram and wiring diagram supplied.

Converting the machine to a different type of power supply can lead to longer program cycle times, resulting in increased energy consumption.

The values declared on the label will only be achieved if the machine remains in the state in which it was delivered.

The **data plates** (with VDE test certificate, etc.) are located at the back of the dishwasher and along the right edge of the open door.

The **wiring diagram** is supplied with the machine.

The **conversion diagram** is attached to the electrical connection toe-kick panel.

Grounding connection

The ground lead must be connected to the screw connection point (marked with the ground symbol \downarrow) at the back of the machine.

WARNING

THIS APPLIANCE MUST BE GROUNDED

The Miele Waterproof system

Provided your dishwasher has been installed correctly, the Miele Waterproof system will provide extensive protection against water damage throughout its lifetime.

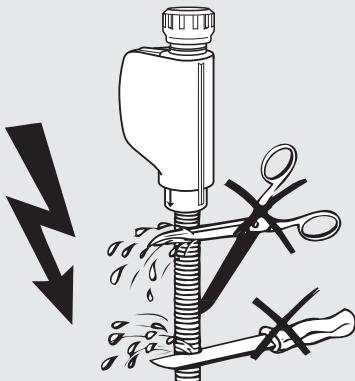
Water intake

 Water in the dishwasher must not be used as drinking water.

- The dishwasher must be connected to the water supply in strict accordance with current local and national water authority regulations.
- The water used must at least comply with national regulations for drinking water quality.
If the water supply has a high iron content, there is a danger of corrosion occurring on items being cleaned in the dishwasher, as well as the machine itself.
If the chloride content of the water exceeds 100 mg/L, the risk of corrosion to items being cleaned in the dishwasher will be further increased.
- In certain regions (e.g., mountainous regions), the water composition may cause precipitates to form, requiring the use of softened water for the dishwasher.
- A backflow preventer is not required; the dishwasher corresponds with the applicable standards for the protection of drinking water.

- The water pressure (flow pressure at the connection point) must be between 7.25 and 145 psi (0.5 and 10 bar).
If the water pressure is lower than this, the fault message Intake will appear in the display (see "Frequently asked questions").
If the water pressure is too high, a pressure reducer valve must be fitted.
- A faucet with a $\frac{3}{4}$ inch male thread must be provided on site. The valve should be easily accessible, since the water supply should be shut off whenever the dishwasher is not in use.
- The DN 10 inlet hose is approx. 59" (1.5 m) long terminating in a $\frac{3}{4}$ inch female thread. A 59" (1.5 m) long flexible metal extension hose tested to 2030 psi (140 bar) is available as an optional accessory if required. On no account may the inlet filter or the flow regulator be removed.

⚠ To avoid any damage to the machine, the dishwasher must only be connected to fully vented pipework.



⚠ The intake hose must **not** be shortened or damaged in any way as it contains electrical components (see illustration).

Plumbing

Connecting the water drainage system

- The machine drainage system has a non-return valve, which prevents dirty water from flowing back into the dishwasher via the drain hose.
- The dishwasher drainage hose should be connected to a separate on-site drain for the dishwasher only. If no separate drain is available, we recommend connecting it to a dual-chamber siphon.
- The dishwasher is supplied with an approx. 4' 11" (1.5 m) flexible drain hose with an internal diameter of 7/8" (22 mm). Hose clips are supplied with the dishwasher.
- The drain hose must not be shortened. The hose can be extended using a connection piece to attach a further length of hose. The drainage length must not be longer than 13' 1" (4 m) and the delivery head no higher than 3' 3" (1 m).
- The drainage system must be able to handle a discharge rate of at least 16 l/min.

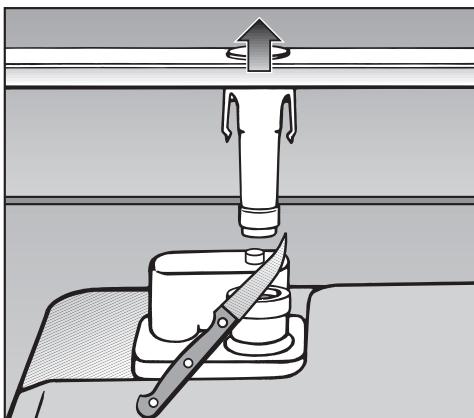
 Make sure that there are no kinks in the hose, and that it is not crushed or stretched.

Venting the drainage system

If the on-site drain 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 program can cause the appliance to empty itself of water.

To vent it:

- Open the dishwasher door fully.



- Firmly pull the lower spray arm upward to remove it.
- Cut off the top of the vent valve in the wash cabinet.

Technical details

Model Dishwasher	Standard height PG 8130i
Height of built-in model	32 1/10" (805 mm) (adjustable + 2 9/16" (65 mm))
Installation height	From 32 1/10" (805 mm) (adjustable + 2 9/16" (65 mm))
Width	23 9/16" (598 mm)
Installation width	23 5/8" (600 mm)
Depth of built-in model	22 7/16" (570 mm)
Weight	Max. 143 lb (65 kg)
Voltage	
Connected load	See data plate
Fuse rating	
Power consumption when switched off	0.3 W
Power consumption when not switched off	2.5 W
Network Standby	0.7 W
Frequency band	2.412 - 2.462 GHz
Maximum transmitting power	< 100 mW
Water pressure (supply pressure)	7.25 - 145 psi (50 - 1.000 kPa)
Cold or hot water supply	Up to max. 140 °F (60°C)
Mains water hardness	Max. 37.5 gpg (36 °d)
Delivery head	Max. 3' 3 3/8" (1.0 m)
Drain hose length	Max. 13' 1 1/2" (4.0 m)
Ambient temperature	41 °F (5°C) to 104 °F (40°C)
Relative humidity	
Maximum	80 % for temperatures up to 88 °F (31°C)
Linear decreasing to	50 % for temperatures up to 104 °F (40°C)
Power cord	Approx. 5' 7" (1.7 m)
Capacity	13 place settings
Noise emission values	
Sound power in LwA	45 dB (A)
Sound pressure in LpA	34 dB (A)
Test certificates awarded	CSA, NSF, UL 921, UL 749, Energy Star
Manufacturer's address	Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany

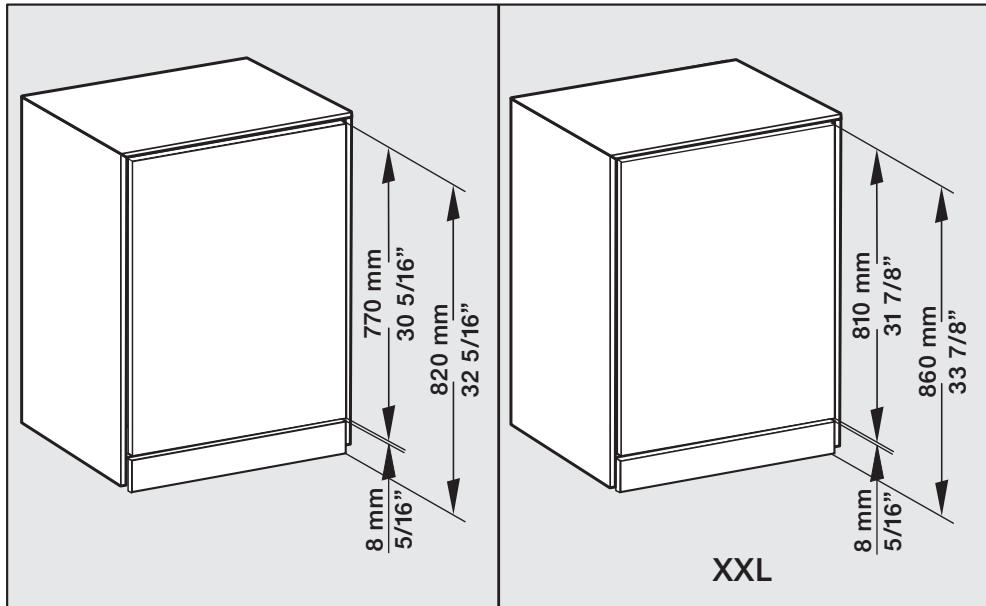
Sound emission tests

Prerequisites for sound emission tests

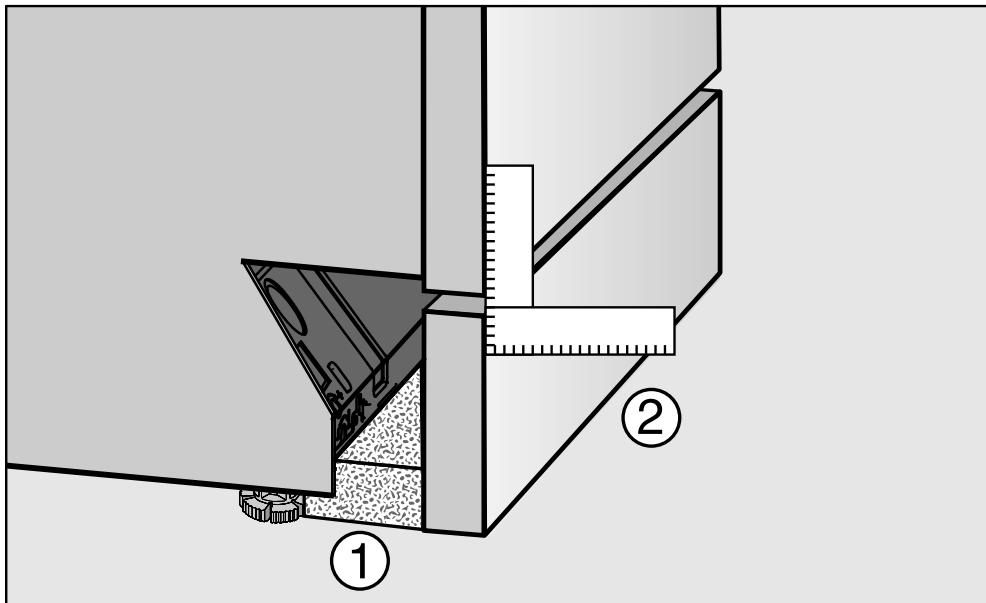
Load the dishwasher with **16 standard place settings** and use the *Normal* program.

Setup for sound emission tests

The dishwasher must be set up according to the following specifications.

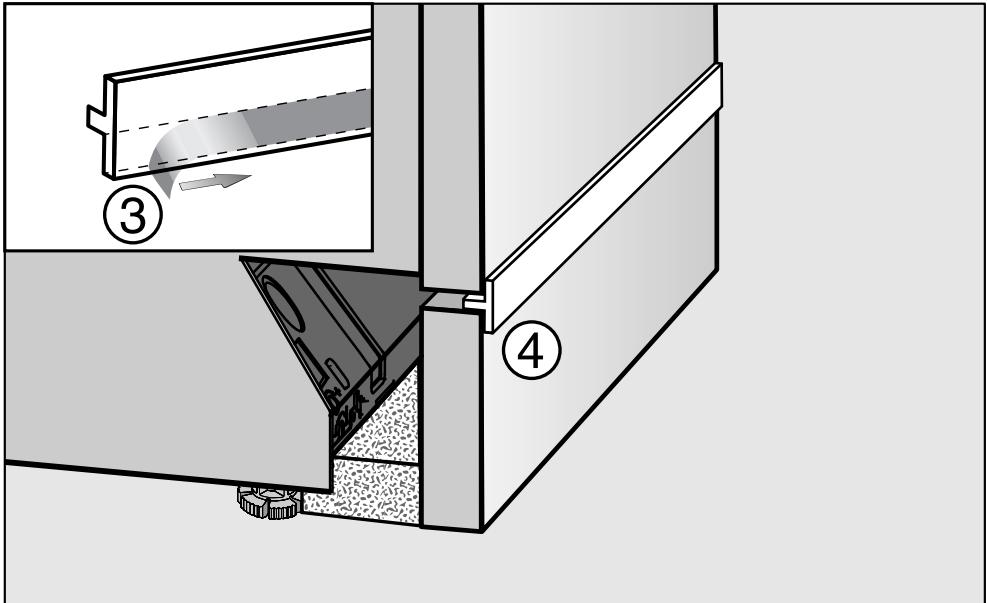


- Install the dishwasher into an analyzing unit.
- Secure the front panel.



- Push the provided fleece strips (depending on model) under the toe-kick until it is flush with the appliance feet ①.
- Push the toe-kick into place in such a way that it is flush with the door front ②.

Sound emission tests



- Remove the protective film from the provided insulating strip (depending on model) ③.
- Push the insulating strip into the front top edge of the toe-kick ④.

Miele

Please have the model and serial number
of your machine available when
contacting Technical Service.

U.S.A.

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