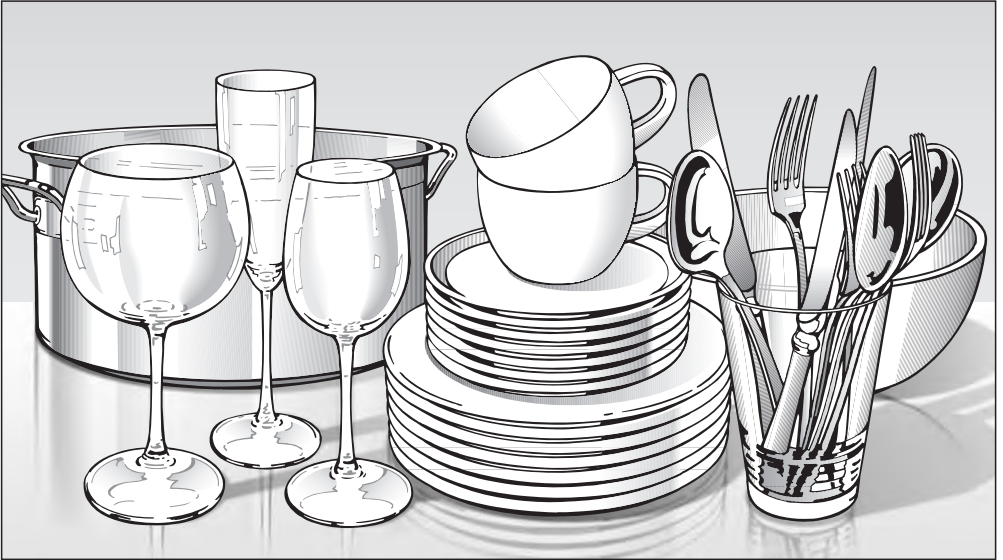



Operating instructions



Commercial dishwasher PG 8130 U / PG 8130i

en - CA

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


M.-Nr. 10 777 610

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Notes about these instructions

Warnings

 Information which is important for safety is highlighted like this. This alerts you to the potential danger of injury to people or damage to property.
Read these warning notes carefully and observe the procedural instructions and codes of practice they describe.

Notes

Notes contain information that requires particular attention. 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 special marked operating prompts which explain the procedure step by step.
Each operating step is indicated by a black square bullet point.


Example:

■ Select the desired setting and press the middle button to confirm.

Display

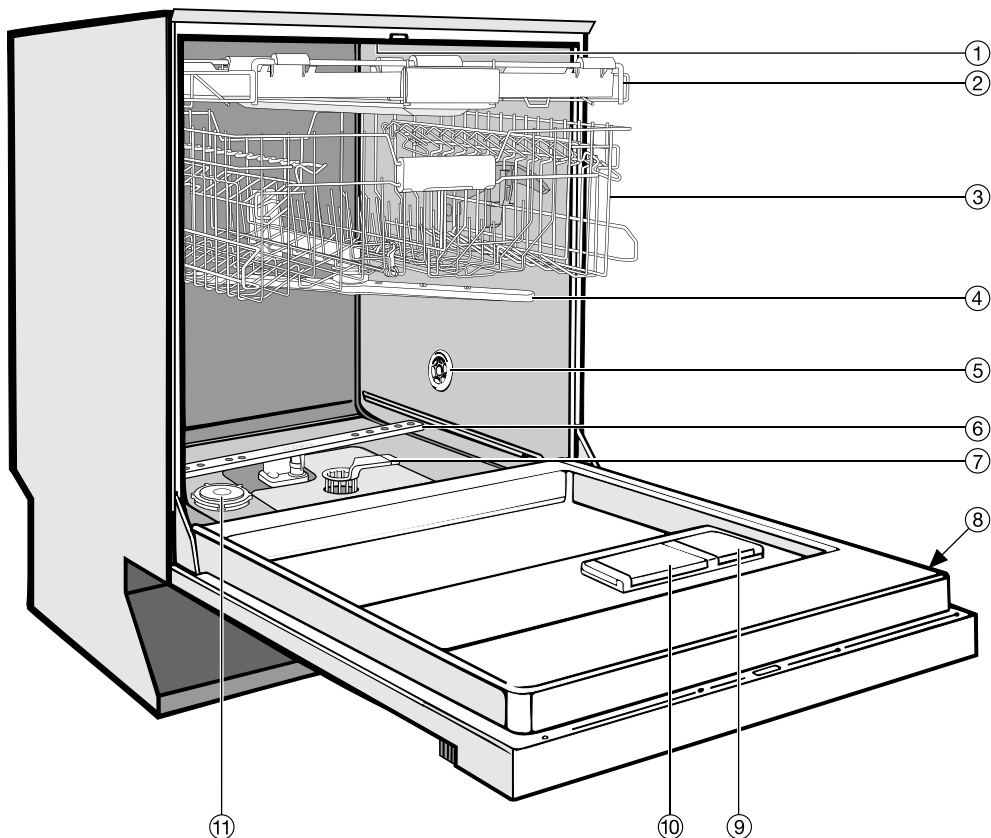
Information that is shown in the commercial dishwasher display appears in a special font similar to the display text.

Example:

When the message  End or AutoOpen appears in the display

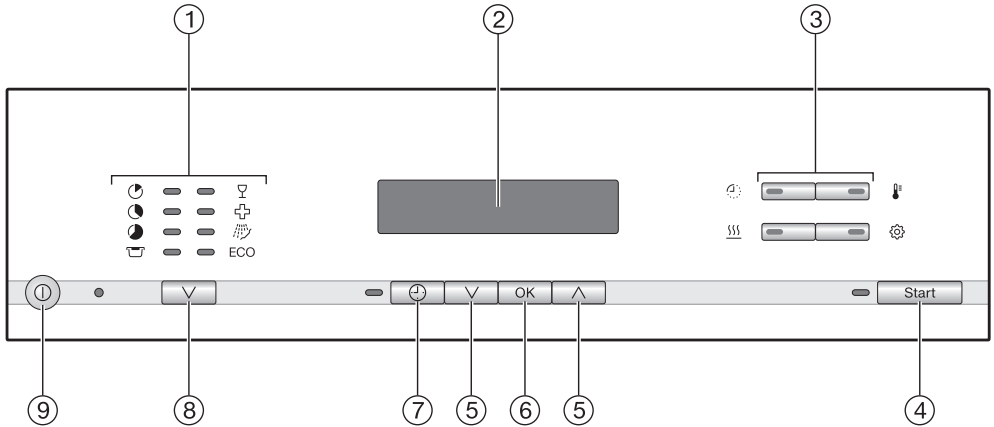
Guide to the machine

Machine overview



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

Control panel



① Program selection

② Display

③ Option buttons

④ Start button with indicator light

⑤ ∇∧ Arrow buttons

⑥ OK button

⑦ ↻ button (FlexiTimer) with indicator light

⑧ Program selection button ∇

⑨ ⏻ On/Off button

Guide to the machine

Display functions

General information


The display is used to select or set the following:

- The program
- The FlexiTimer (Delay start)
- The Settings menu

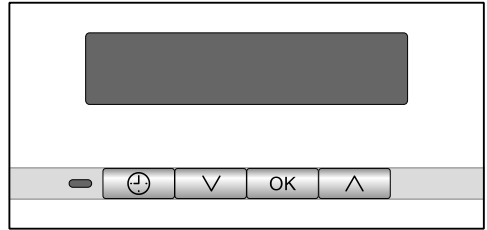
The display can show the following:


- 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 change different configurations within the dishwasher. The Settings menu is accessed by pressing the  button.

The arrows on the display indicate that further options are available for selection. You can use the ∇/\wedge arrow buttons next to the display to select further options as appropriate.

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 \checkmark next to it.

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

While setting the time, no buttons are pressed for a few seconds, the display will revert to the previous menu. You will then have to enter your settings again.

This commercial dishwasher complies with current safety requirements. Inappropriate use can, however, lead to personal injury and damage to property. To avoid the risk of accidents and damage to the commercial dishwasher, please read these instructions carefully before using it for the first time. They contain important information on its safety, installation, use and maintenance. Keep these instructions in a safe place and pass them on to any future owner.

▶ This commercial dishwasher with its short program run times and powerful cleaning performance is intended for commercial use in offices, lunch rooms, 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 breakfasts, on farms and other related establishments.

▶ The commercial dishwasher is subsequently referred to as a dishwasher in these operating instructions. Glasses, cutlery and dishes are generally referred to as dishes when not more specifically defined.

▶ This dishwasher is not intended for continuous use.

▶ This dishwasher is not suitable for cleaning medical devices and laboratory glasswares.

▶ The dishwasher is suitable for high temperature sanitizing (according Provincial Food Code) at 82 °C with a holding time of 15 s.

▶ This machine is designed exclusively for use as a “dishwasher” for cleaning dishes, glassware and cutlery 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.

Correct application

- ▶ The special inserts are to be used for their specific purpose only.
- ▶ This dishwasher can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, if they are supervised whilst using it or have been shown how to use it in a safe way.
- ▶ The dishwasher is equipped with a special bulb to cope with particular conditions (e.g., temperature, moisture, chemical resistance, abrasion resistance and vibration). This special bulb must only be used for the purpose for which it is intended, i.e. the lighting of the wash cabinet. It is not suitable for room lighting. Replacement bulbs may only be fitted by a Miele authorized person or by Miele Service.

Warning and Safety Instructions

Correct installation

▶ Do not install the dishwasher in areas at risk of explosion or freezing.



▶ Extra care must be taken before and while installing the dishwasher. Some metal parts pose a risk of injury/being cut. Wear protective gloves.

▶ 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). It is also important that the door cannot fall open. The dishwasher must only be operated with properly adjusted door springs.

Technical safety

▶ This dishwasher must only be installed, commissioned, repaired and maintained by Miele Service, a dealer or a suitably qualified service technician. Installation, repairs and maintenance work by unqualified persons could be dangerous. Miele cannot be held liable for unauthorized work.

▶ 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!

Warning and Safety Instructions

- ▶ In the event of a damaged or leaking dishwasher, switch off the power supply immediately and call Miele Service, a Miele dealer or a suitably qualified service technician.
- ▶ Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can Miele guarantee the safety standards of the appliance.
- ▶ The electrical safety of this machine 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.
- ▶ Before connecting the appliance, ensure that the connection data on the data plate (voltage, frequency and fuse rating) match the mains electrical supply.
- ▶ There must be no electrical sockets behind the dishwasher. Danger of overheating if the dishwasher were to be pushed up against a plug, as the niche width can be too small. See “Electrical connection”.
- ▶ Do not connect the dishwasher to the electricity supply via a multi-socket unit or an extension lead. These 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.

Warning and Safety Instructions

- ▶ The dishwasher must not be used if the electrical connection cable is damaged. A damaged connection cable may only be replaced by a specific connection cable of the same type. For safety reasons, such replacements may only be carried out by a qualified technician, a Miele dealer or the Miele Service.
- ▶ The dishwasher must be disconnected from the electrical supply before any maintenance or repair work is carried out.
- ▶ The plastic housing of the water connection contains two electrical valves. The housing must not be immersed in liquids.
- ▶ There are electrical wires in the water inlet hose. Do not shorten the water inlet hose, even if it is too long.
- ▶ The integrated Waterproof system offers protection against water damage, provided 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 tap has 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.

Warning and Safety Instructions

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 danger of burning or scalding! Dishes, cutlery, 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 cabinet must not be used as drinking water.
- ▶ Pre-treating items (for example with dishwashing liquid and other detergents) as well as 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 cabinet can cause damage to the dishwasher. If foam escapes, the program must be cancelled immediately and the dishwasher must be disconnected from the electrical supply!

Warning and 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 and in the situation specified, to avoid such dangers as serious chemical reactions and material damage (e.g. oxyhydrogen explosion).
- ▶ Avoid inhaling powder detergents! Do not swallow detergents! Detergents can cause chemical burns to nose, mouth and throat. Seek medical help immediately if you have inhaled or swallowed any detergent.
- ▶ 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, chloride solutions or corrosive iron materials get into the wash cabinet.
- ▶ 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 near vicinity with a hose or a pressure washer.
- ▶ Ensure that the stainless steel outer casing of the appliance 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 commercial dishwasher that you do not hurt yourself or create a danger for others. Position them so they cannot cause injury.
- ▶ Remove any coarse food deposits and empty out any containers or utensils before loading them in the commercial dishwasher.

Warning and Safety Instructions

Safety with children

- ▶ 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.
- ▶ Younger children must be kept away from the dishwasher unless they are constantly supervised.
- ▶ Under certain circumstances, children may only use the dishwasher if they have been shown how to use it in a safe manner. Children must be able to recognize and understand the potential risks of improper use.
- ▶ 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! Process chemicals 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

- ▶ Accessory parts may only be fitted when expressly approved by Miele. If other parts are used, warranty, guarantee and/or product liability claims will be invalidated.

Miele cannot be held liable for damage caused by non-compliance with these Warning and Safety instructions.

Disposal of the packaging material

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

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

Disposal of your old appliance

Electronic and electrical appliances contain many valuable materials. They also contain certain materials, compounds and components which were essential for the proper functioning and safe use of the equipment. These could be hazardous to your health and to the environment if disposed of with general waste or if handled incorrectly. Therefore, please do not dispose of your old appliance with general waste.



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

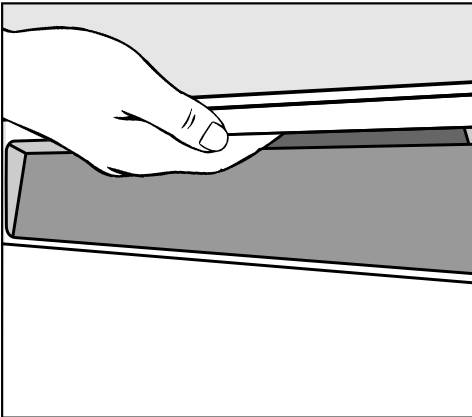
This dishwasher is exceptionally economical in its use of water and electricity.

For best results follow 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 slightly open automatically in order to help the drying process. This function can be deactivated, if preferred (see “Settings, AutoOpen”).



- To open the door, reach under the door grip and pull.
- Open the door completely to re-engage the door closing mechanism.


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.

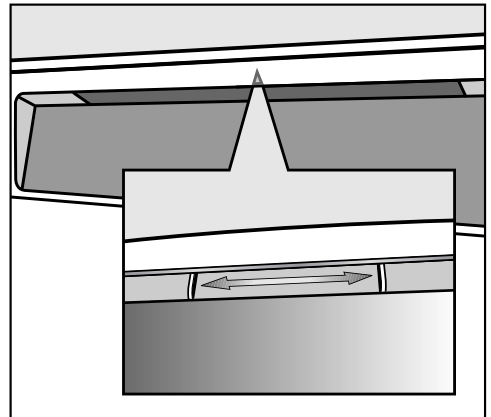
Closing the door

- Push the baskets in.
- Push the door until it clicks shut.

 Risk of crushing!
Do not put your hand inside the door as it is closing.

Child lock

Use the child lock to prevent children opening the dishwasher door.



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

Commissioning

Basic settings

- Turn the dishwasher on with the ① 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 \vee/\wedge 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 \checkmark will appear next to the language that has been set.

Time of day

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

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 \vee/\wedge arrow buttons to set the hour and confirm with *OK*.
- Then set the minutes and confirm with *OK*.

Keeping the \vee/\wedge 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 *DisplayOn*, 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 gr/gal (10 - 15 °d), always program the dishwasher to the higher value (16 gr/gal or 15 °d 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:

_____ gr/gal (°d)

The dishwasher is programmed at the factory for a water hardness level of 16 gr/gal (15 °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 messages *Miele@home* enabled and *Set up complete* will appear in the display.

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

- Add salt and rinse aid if necessary (see “Commissioning, Reactivation salt” and “Rinse aid”).
- Confirm the messages with *OK*.

The program selected will appear briefly in the display and the appropriate indicator light 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.

Commissioning

For commissioning purposes, you will need:

- Approx. 2 L of water
- Approx. 2 kg (4 lbs) of reactivation 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.


Reactivation salt


In order to achieve good cleaning results, the dishwasher needs to operate with soft water. Hard water results in a build-up of calcium deposits on dishes and in the dishwasher.

Water supplies with a hardness level higher than 4 gr/gal (4 °d) need to be softened. This occurs automatically in the integrated water softener. The water softener is suitable for a water hardness level of up to 37 gr/gal (36 °d).

The water softener requires reactivation salt.

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

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

 Use only special, coarse-grained reactivation salt or other pure evaporated salt.

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

Suitable products are available from Miele Professional.

Filling the salt reservoir

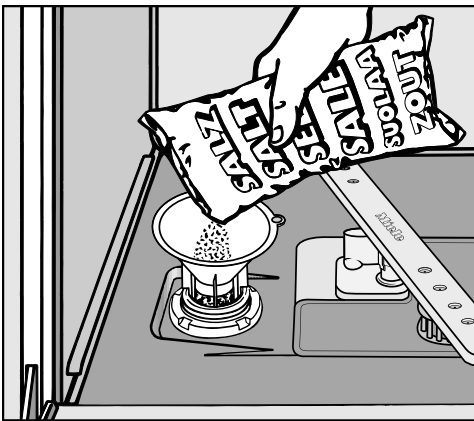
Important! Before filling the salt reservoir with reactivation salt for the first time, you must fill it with approx. 2 L of water to enable the salt to dissolve.

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 cabinet 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 reactivation salt until the reservoir is full. The salt reservoir holds approx. 4 lbs (2 kg) 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.

Salt refill indicator

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

The salt refill indicator will go out.

 **Danger of corrosion!**
Run the  Rinse & Hold program without a load immediately after having filled the reservoir with salt in order to dissolve and wash away any brine which may have overflowed.

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

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

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

Commissioning

Rinse aid

Rinse aid is necessary to ensure water does not stick and leave marks on dishware during the drying phase and helps dishes dry faster after they have 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 dish soap 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

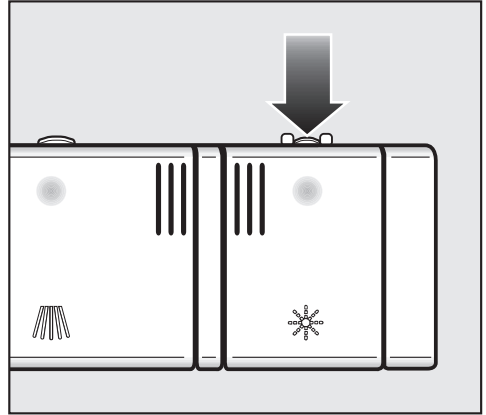
- liquid citric acid with up to 10 % acid content

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

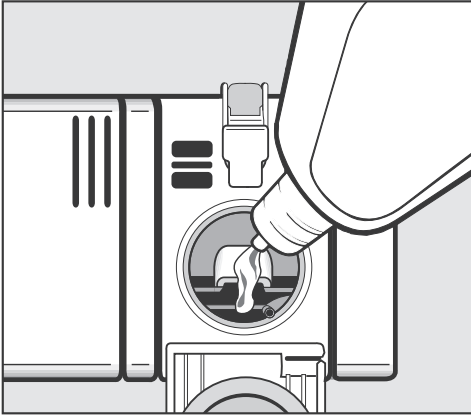
! Do not use vinegar with a higher acid content (e.g. vinegar essence with 25 % acid).

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. The flap will spring open.



Rinse aid indicator

When the ☼ Refill rinse aid message appears in the display, the reservoir contains sufficient rinse aid for 2 – 3 programs only.

- Fill the reservoir with commercial rinse aid.
- Confirm with *OK*.

The refill indicator will go out.

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

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

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

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

Loading the commercial dishwasher

Tips

Remove coarse food residues from dishes.

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

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

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

- Do not place dishes and cutlery inside other pieces where they may be concealed.
- 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 and pots should be placed upside down in the baskets.
- Tall, narrow, hollow items such as champagne glasses should be placed in the centre of the basket rather than in the corners. This ensures better water coverage.
- Wide based items should be placed at an angle so that water can run off them freely.
- The spray arms must not be blocked by items 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 such as lids should therefore be placed in the cutlery tray or cutlery basket (depending on model).

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

Loading the commercial dishwasher


Items not suitable for dishwashers

- Wooden cutlery and dishes or items with wooden parts, as these may discolour or fade. The glue used in these items is not dishwasher-proof. As a result, wooden handles could be loosened after being washed in the dishwasher.
- Craft items, antiques, valuable vases and decorative glassware are also not suitable for dishwashers.
- Plastic items which are not heat resistant may become deformed.
- Copper, brass, tin and aluminum items may discolour or become dull.
- Colours painted over a glaze may fade after a number of washes.
- Delicate glassware and glassware containing lead crystal may become cloudy 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 discolour. These include egg yolk, onions, mayonnaise, mustard, pulses, fish, and marinades.

 Aluminum components (e.g. ventilation hood grease filters) must not be cleaned in the dishwasher with caustic alkaline commercial or industrial cleaning agents.

These may damage the material. In extreme cases, they can cause a severe explosive chemical reaction (such as an explosive oxyhydrogen gas reaction).

Useful tip: When purchasing dishes and cutlery, make sure they are dishwasher-safe.

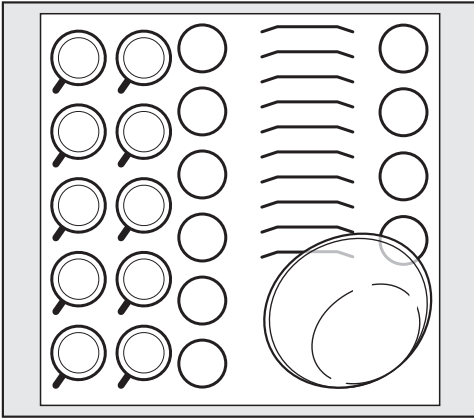
Glass care

- 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 overview). This will reduce the risk of clouding.
- Purchase glassware which is dishwasher safe (e.g. Riedel glassware).
- Use detergents with glass protective additives.

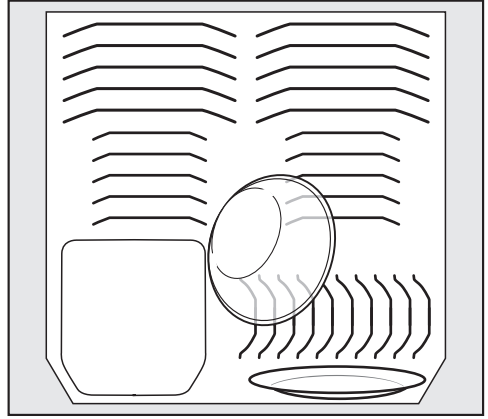
Loading the commercial dishwasher

Loading examples

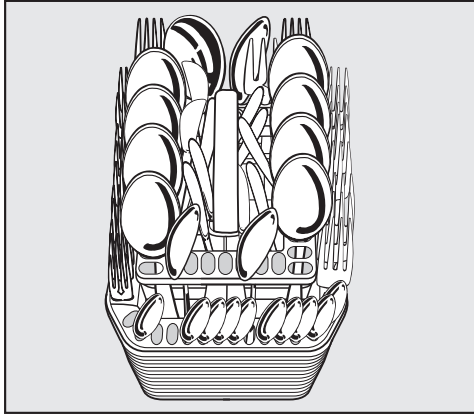
Loading for 10 standard place settings with cutlery basket



Upper basket



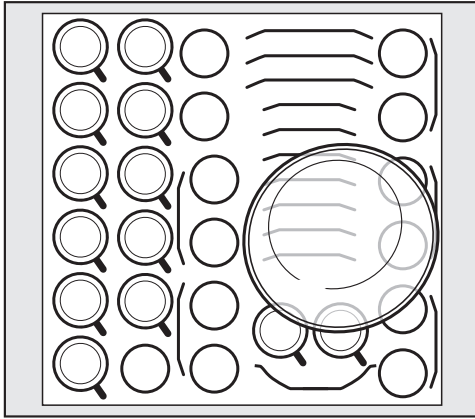
Lower basket



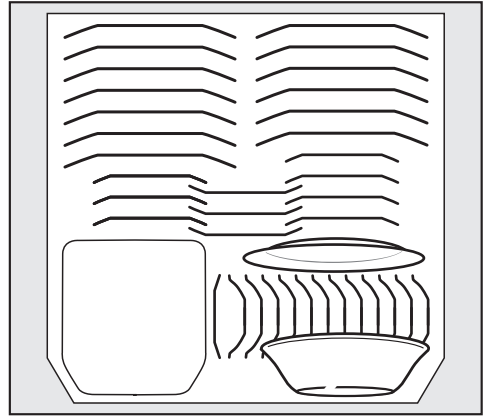
Cutlery basket

Loading the commercial dishwasher

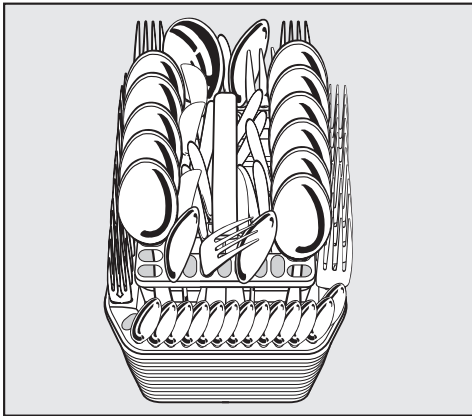
Loading for 13 standard place settings with cutlery basket



Upper basket



Lower basket



Cutlery basket


Loading the commercial dishwasher

FlexAssist

The yellow coded FlexAssist parts indicate which elements of the dishwasher baskets 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 dishes and cutlery.

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

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

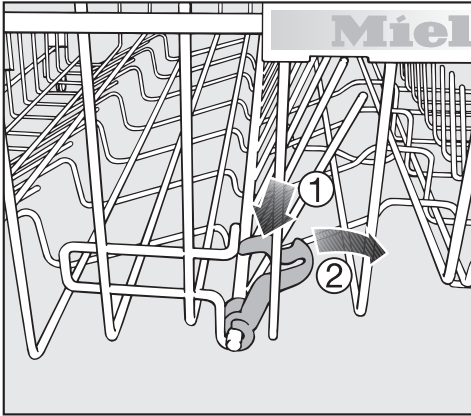
Glasses can be arranged along the cup rack to give them some support during the program.

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

Loading the commercial dishwasher

Hinged spikes

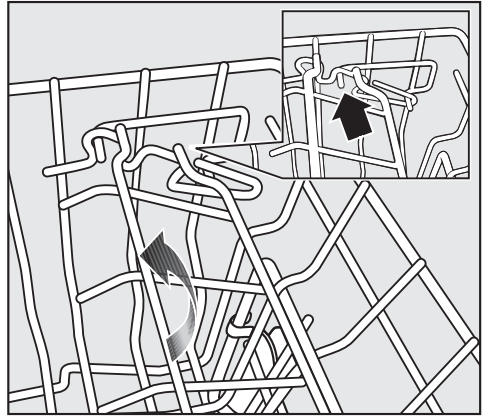
The rows of spikes can be lowered to make more room for larger items such as casserole dishes.



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

XXL cup rack (depending on model)

The cup rack can be set at two different widths so that it can also accommodate large cups.

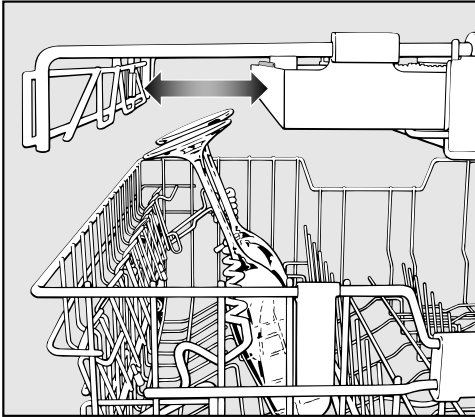



- Pull the cup rack upwards and click it back into position at the required width.

Loading the commercial dishwasher

Glassware rail

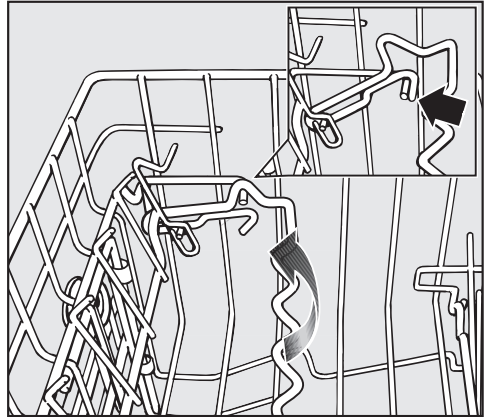
The glassware rail is designed to hold tall glasses with long stems securely.



- Lower the glassware rail with the yellow lever  and lean tall glasses against it.
- You can also move one of the side inserts in the cutlery tray to make more room for tall glasses (see “Cutlery, 3D cutlery tray”).

Adjusting the height

You can set the glassware rail at two different heights.



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

Use the low setting for small glasses and tumblers.

Use the high setting for tall glasses and glasses with stems.

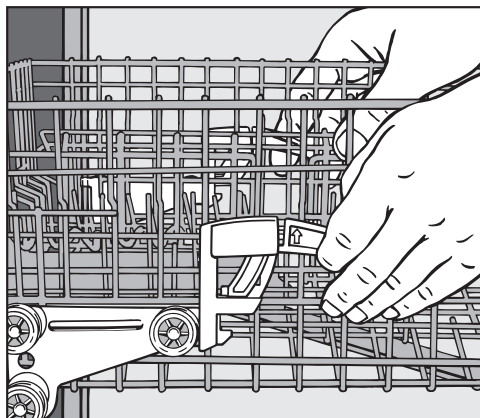
Loading the commercial dishwasher

Adjusting the upper basket

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

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

- Pull out the upper basket.



To raise the upper basket:

- Lift the basket up until it clicks into place.

To lower the upper basket:

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

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

Dishwasher with cutlery basket

(see data plate for model number)

Upper basket position	Plate Ø in cm		
	Upper basket		Lower basket
	Normal	XXL	
Top	20	24	31 (35*)
Middle	22	26	29
Bottom	24	28	27

Dishwasher with cutlery tray

(see data plate for model number)

Upper basket position	Plate Ø in cm		
	Upper basket		Lower basket
	Normal	XXL	
Top	15	19	31 (35*)
Middle	17	21	29
Bottom	19	23	27

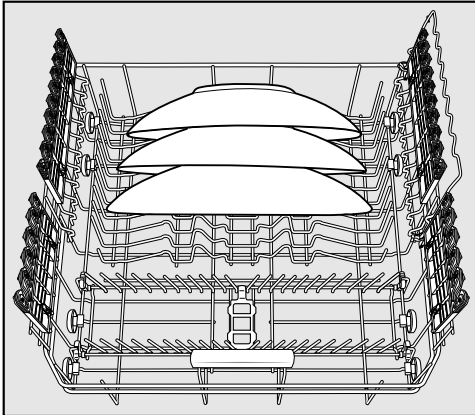
* When tilted, plates of up to 35 cm (13 3/4") can be accommodated (see "Lower basket").

Loading the commercial dishwasher

Lower basket

See “Loading the dishwasher, Loading examples” for examples of how to load dishes 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 centre of the lower basket.

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

Removable MultiComfort insert

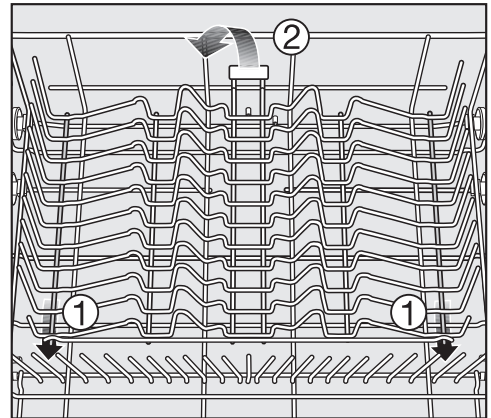
The rear section of the lower basket is used for washing cups, glasses, plates, pots and pans.

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

Removing the insert

- Pull the yellow handle forwards and remove the insert.

Refitting the insert



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

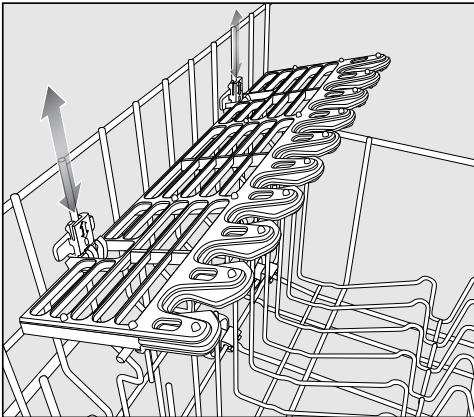
Loading the commercial dishwasher

FlexCare glass holder

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

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

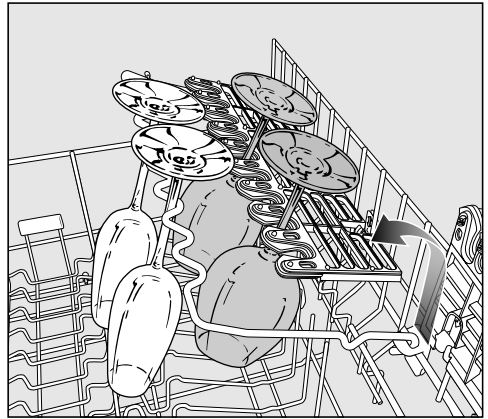
You can set the glass holder at two different heights.



- 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 tall glasses with long stems securely.



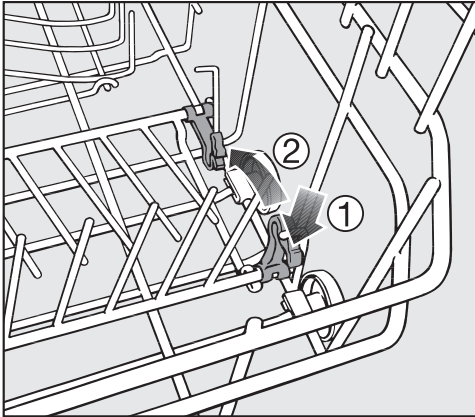
- Lower the glassware rail and lean tall glasses against it.

Loading the commercial dishwasher

Hinged spikes

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

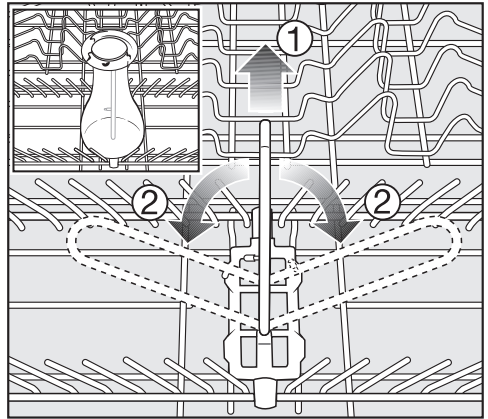
Both rows of spikes can be lowered to make more room for large items such as pots, pans and serving dishes.



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

Bottle holder

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

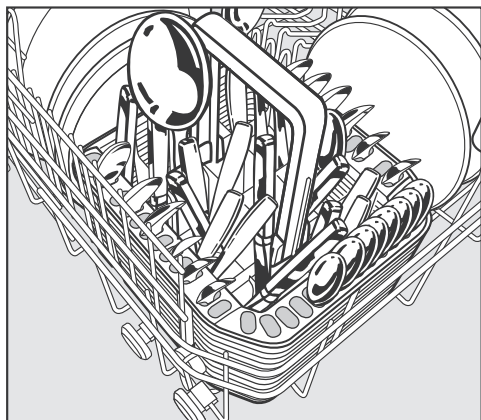


- If the bottle holder is not needed, lift it up ① and fold the sides down ② as illustrated.

Loading the commercial dishwasher

Cutlery

Cutlery basket (depending on model)

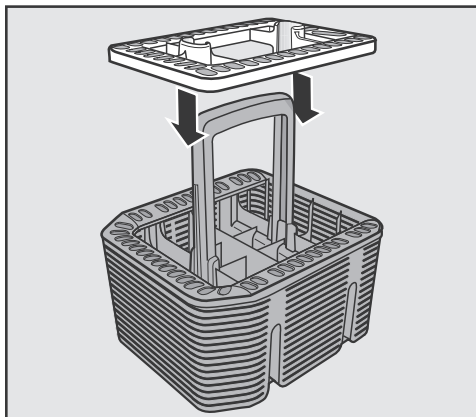


The cutlery basket can be placed anywhere on the front rows of spikes in the lower basket.

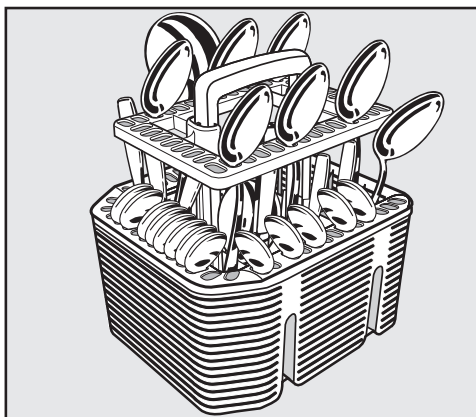
- To avoid the risk of injury, knives and forks should be placed with the handles upwards in the basket. However, cutlery placed handle down in the basket will come out cleaner and drier.
- Place small items of cutlery in the individual slots on three sides of the cutlery basket.

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 the insert onto the cutlery basket if required.



- Insert cutlery with the handles facing downwards.
- Distribute the cutlery evenly.

Operation

Detergent

Powder detergents

Use powder cleaning detergent or dishwasher tabs only in the door dispenser compartment. Suitable products are available from Miele Professional.

Cleaning tabs can be used. Only use tabs that are quick dissolving. Suitable tabs are available from Miele Professional.

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

Detergent dosage

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


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

Liquid detergent

This dishwasher can be fitted with an external dispenser pump for liquid detergent (DOS module).

See “Settings menu, External DOS” to activate the dispenser pump and set the detergent dosage..

For special soiling or if using liquid detergent dispensed by a liquid detergent pump, contact Miele for advice on how to adapt the detergent dosage to the particular circumstances.

 Cleaning agents containing active chlorine must not be used. They can damage the elastomers and plastics of the commercial dishwasher.

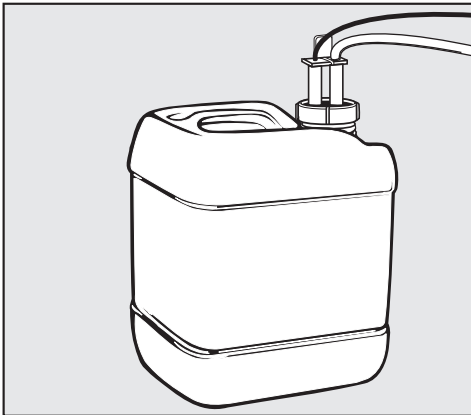
Refilling or changing containers

The DOS module is equipped with a level indicator which shows the Refill detergent message in the display when the level drops below the minimum.

- As soon as the message appears in the display, refill or replace the container with a full one containing the appropriate process chemical at the end of the program.
- Confirm the message with the **OK** button.

Replace the container in good time to prevent the dispensing system being emptied completely. An empty dispensing system must be vented before starting the next program.

- Place the container on the open dishwasher door or on a surface which is easy to clean.



- Unscrew and remove the suction lance. Place the suction lance on the open dishwasher door.

- Replace the empty container with a full one.
- Push the suction lance into the opening of the container and screw it on tightly. Observe the colour coding.
- Wipe up any spilled process chemical thoroughly.
- Place the container on the floor beside the dishwasher or in an adjacent cupboard. The container must be at the same level as the machine and not be placed on top of or above the dishwasher.
- The DOS system must then be vented.

To vent the system and adjust the dosage amount, see “Settings menu, External DOS”.

Checking consumption

Monitor the amount of process chemicals used by regularly checking the level in the container in order to detect any dispensing irregularities.

Operation


Changing detergent

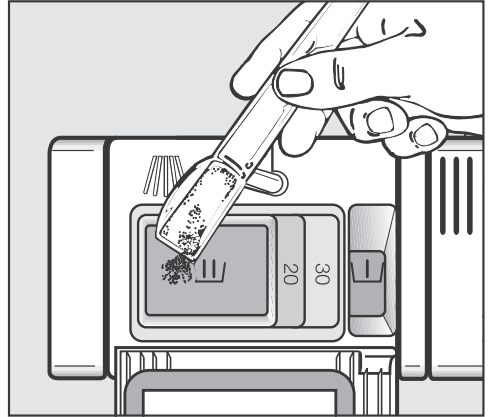
If you want to change the detergent used, the system must first be rinsed through with water to avoid a reaction between the different detergents.

- Remove the suction lance from the container and place it in a container of water.
- Start “Vent dispensing system” **twice** (see “Settings menu, External dispensing”) the rinse the system.
- Then place the suction lance in the new container and start “Vent dispensing system” again.

The dispensing system is ready for operation.

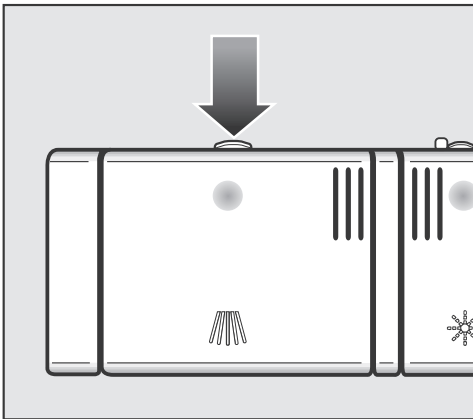
Always follow the recommendations of the cleaning detergent manufacturer whether using powder or liquid cleaning detergent.

 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 child lock.



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

Adding detergent



- Press the opening catch on the detergent dispenser. The flap will spring open.

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

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

The display will then show the estimated program duration for the program selected.

The *Start* indicator light flashes.

Switch the *Memory* function on (see “Settings menu, Memory”) if you want the last program selected to remain selected instead of the *ECO* program.

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 overview** 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 “Program 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 cancelled 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-wash / Soak
-  Main wash
-  Interim rinse
-  Final rinse
-  Drying
-  End


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

The times shown in the program overview 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 dishes.

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 worktop 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.

Switching 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. while on vacation, 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 cabinet to settle. Then 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  button.
- Turn the dishwasher on again with the  button.
- Select the program you want, and then start it.

Program 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* 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  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 drying

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 and an increased final rinse temperature.

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. You can set the start time or the finish time of a program. You also have the option of taking advantage of time variable economy rates of electricity 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, powder detergent 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 child lock.

- Turn on the dishwasher with the  button.

The *Start* indicator light flashes.

- Select the desired program.
- Press the .

You can use the ∇/\wedge 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 pad will be highlighted.

You can now enter the time you want using the ∇/\wedge 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.

Program options:

Start at

With the *Start at* function, you set the exact 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 numerical keypad will be highlighted.

- Use the \vee/\wedge arrows 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 \oplus indicator will go out and the *Start* indicator light will come on.

Finish at

With the *Finish at* function, you set the latest time at which you wish the program to end.

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

The hour will be saved and the minute numerical keypad will be highlighted.

- Use the \vee/\wedge arrows 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 \oplus indicator will go out and the *Start* indicator light will come on.

EcoStart

The EcoStart function you to take advantage of time variable economy rates of electricity. Before you can use this option, you must set up to three electricity rate time zones (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 numerical keypad will be highlighted.

- Use the \vee/\wedge arrows to set the minutes and confirm with *OK*.

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

The \odot and *Start* indicator lights will light up.

The selected program will start automatically during the most cost effective time zone. It will finish at the latest by the set finish time.

The time remaining will appear in the display, the \odot indicator 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 \odot 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 confirming the *Delete* function, the program duration of the selected program will appear in the display and the program will start.

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

Program guide

Program	When to use	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, easily removed 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 for cleaning this type of dishes.
(Fixed program sequence which cannot be altered)


¹⁾ see “Operation, Detergent”

Program guide

Program sequence							
Pre-wash	Main wash	Interim rinse I	Interim rinse II ²⁾	Final rinse	Drying	Extra drying	AutoOpen
	X 70 °C 30 s	X 10 s	(X)	X 65 °C ³⁾ 10 s		(X) 15 min	4)
	X 65 °C 10 min	X 3 min	(X)	X 65 °C ³⁾ 1.5 min		(X) 30 min	(X)
X 8 min	X 75 °C 10 min	X 3 min	(X)	X 65 °C ³⁾ 1.5 min		(X) 30 min	(X)
X 10 min	X 50 °C 1 min	X 5 min		X 60 °C 30 s	X 45 min		(X)
	X 50 °C 1 min	X 3 min	(X)	X 50 °C 1 min		(X) 20 min	(X)
X 8 min	X 66 °C 30 s	X 3 min	(X)	X 82 °C 15 s		X 30 min	(X)
	X Cold 10 min						
	X 52 °C 40 min	X 5 min		X 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 high temperature final rinse at 82 °C / 15 s, and main wash at 60 °C. “High-temp rinse” option must be enabled in the settings menu.

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 guide

Program	Consumption ⁶⁾						Duration ⁶⁾			
	Electrical energy				Water		Cold water 15 °C		Hot water 55 °C	
	Cold water 15 °C		Hot water 55 °C		Cold water 15 °C					
3.5 kW	4.2 kW	3.5 kW	4.2 kW	3.5 kW	4.2 kW	3.5 kW	4.2 kW	3.5 kW	4.2 kW	
 ProSpeed	1.5 kWh		1.0 kWh	0.9 kWh	14.5 L		38 min ⁷⁾	33 min ⁷⁾	28 min ⁷⁾	24 min ⁷⁾
 Universal	1.5 kWh		0.9 kWh		15.2 L		53 min ⁷⁾	48 min ⁷⁾	42 min ⁷⁾	39 min ⁷⁾
 Pots & Pans	1.7 kWh		1.0 kWh		20.2 L		74 min ⁷⁾	69 min ⁷⁾	61 min ⁷⁾	60 min ⁷⁾
 China & Crystal	1.0 kWh		0.4 kWh		15.2 L		33 min ⁷⁾	31 min ⁷⁾	23 min ⁷⁾	22 min ⁷⁾
 Sanitize	2.1 kWh		1.3 kWh		20.2 L		76 min ⁷⁾	71 min ⁷⁾	60 min ⁷⁾	58 min ⁷⁾
 Plastics	1.2 kWh		0.5 kWh		20.2 L		98 min	94 min	85 min	84 min
 Rinse & Hold	0.02 kWh		0.02 kWh		5.5 L		13 min		13 min	
ECO 13 place settings	0.927 kWh		0.6 kWh		13.8 L		215 min	215 min	206 min	206 min
ECO 14 place settings	0.941 kWh		0.6 kWh		13.8 L		216 min	216 min	207 min	207 min

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.

Program guide

Program	Consumption ⁶⁾			Duration ⁶⁾	
	Electrical energy		Water	Cold water 15 °C	Hot water 55 °C
	Cold water 15 °C	Hot water 55 °C			
 ProSpeed	1.7 kWh	1.1 kWh	14.5 L	88 min ⁷⁾	58 min ⁷⁾
 Universal	1.7 kWh	1.0 kWh	15.2 L	99 min ⁷⁾	72 min ⁷⁾
 Pots & Pans	1.9 kWh	1.1 kWh	20.2 L	119 min ⁷⁾	84 min ⁷⁾
 Plastics	1.3 kWh	0.5 kWh	20.2 L	90 min	52 min
 China & Crystal	1.0 kWh	0.5 kWh	15.2 L	61 min ⁷⁾	37 min ⁷⁾
 Sanitize	2.2 kWh	1.4 kWh	20.2 L	124 min ⁷⁾	89 min ⁷⁾
 Rinse & Hold	0.02 kWh	0.02 kWh	5.5 L	13 min	13 min
ECO 13 place settings	0.927 kWh	0.6 kWh	13.8 L	215 min	206 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.

Cleaning and care

Service


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

Maintenance covers the following:

- electrical integrity,
- 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 are susceptible to scratching.

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

Cleaning the wash cabinet

The wash cabinet 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 cabinet regularly.


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

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 mould.

Cleaning the door front

 Soiling that is left too long might become impossible to remove and could cause the external surfaces to alter or discolour.

Remove any soiling immediately.

- Clean the front with a clean sponge and a solution of hot water and dish soap. After cleaning, wipe the front dry using a soft cloth. A clean, damp microfibre cloth without cleaning agent can also be used for cleaning.

To avoid damage to the outer surface, do not use:

- Cleaning agents containing soda, ammonia, acid or chloride
- Cleaning agents containing lime scale remover
- Abrasive cleaning products such as scouring powder, scouring liquid or pumice stones
- Cleaning agents containing solvents
- Stainless-steel cleaning agents
- Dishwasher cleaner
- Oven cleaner
- 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 and care

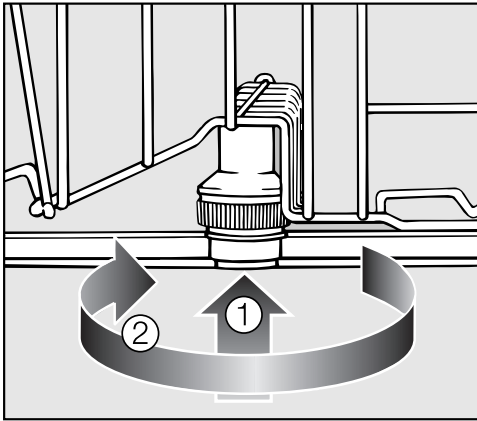
Cleaning the spray arms

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

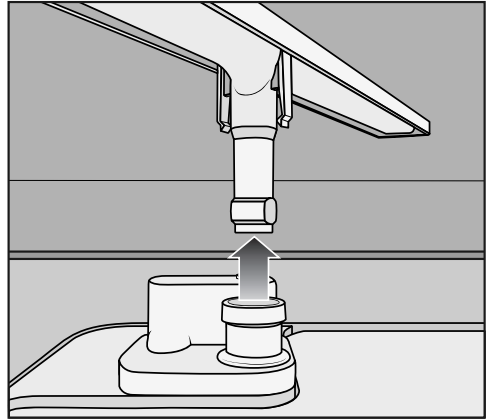
- Turn the dishwasher off.

Remove the spray arms as follows:

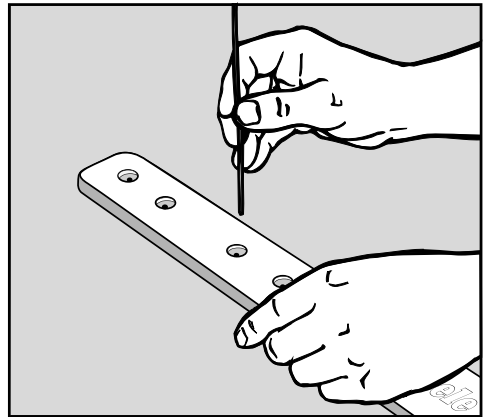
- Take out the cutlery tray (if applicable).
- Push the **top** spray arm upward to engage the inner ratchet, then unscrew the spray arm.



- 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.
- Refit the spray arms and check that they rotate freely.

Checking the filters in the wash cabinet

The filter combination in the base of the wash cabinet 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).

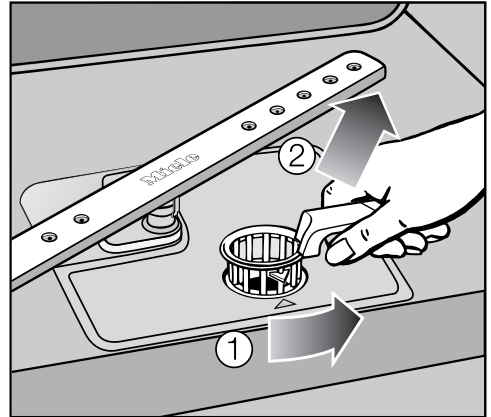
You can set the interval for this message to appear to between 30 and 60 program cycles (see “Settings menu, Check filters”).

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

The message will go out.

Cleaning the filters

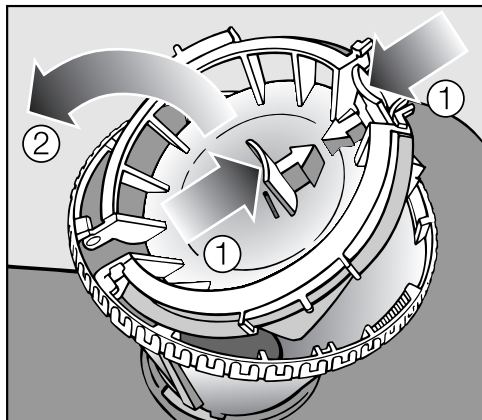
- Turn the dishwasher off.



- Turn the handle counter-clockwise to release the filter system ①.
- Take the filter combination out of the dishwasher ②. Remove any coarse particles and rinse the filter well under running water. If necessary, use a soft cleaning brush to remove soiling.

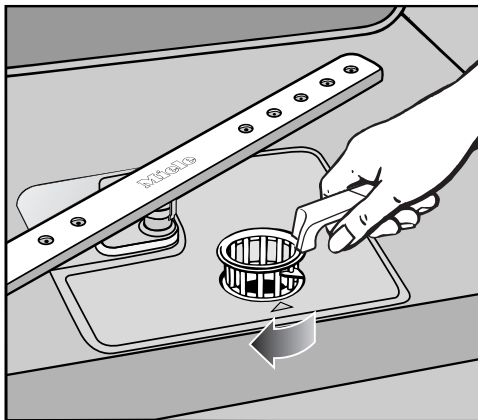
⚠ Ensure that coarse soil does not get into the circulation system and cause a blockage.

Cleaning and care




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

 When you are fitting the filter combination, take care that it is secured in position correctly. Otherwise, coarse soil can get into the circulation system and cause a blockage.


Problem solving guide

You can easily resolve many of the minor problems you may encounter during everyday use. This will save you time and money because you do not have to call Miele Service.




With the aid of the following guide, the cause of a problem can be found and eliminated. However, please note:

 Repairs must only be carried out by Miele Service. Unauthorized repairs could cause personal injury or damage to the machine.




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.	The dishwasher is not plugged in. ■ Insert the plug.
	The fuse has tripped. ■ Reset the fuse (see data plate for the correct fuse rating).
The dishwasher stops during a program	The fuse has tripped. ■ Reset the fuse (see data plate for the correct fuse rating). ■ If the fuse trips again, contact Miele Service.
The door locking pins do not retract after the door has opened automatically.	There is a fault with the door mechanism or the door has not been correctly balanced. ■ Call Miele Service. 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.

Problem solving guide

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

Faults in the water intake or water drain

Problem	Possible cause and solution
One of the following fault messages is displayed:	
 Open water supply	The water supply is turned off. ■ Turn on the water supply fully.
 Water intake	Before remedying the fault: ■ Turn the dishwasher off with the ⏻ button.
	There is a problem with the water intake. ■ Turn on the water supply fully and start the program again. ■ Clean the water intake filter (see “Maintenance”). ■ The flow pressure at the water connection is lower than 30 kPa (4.35 psi). 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 cabinet. ■ Clean the filter combination (see “Cleaning and care, Cleaning the filters”). ■ Clean the drain pump (see “Maintenance”). ■ Clean the non-return valve (see “Maintenance”). ■ Remove any kink or loop in the drain hose.

Problem solving guide

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 Ⓛ button.
The interior lighting does not switch on when the door is opened.	The interior lighting has been switched off permanently. ■ Switch the lighting back on again (see “Settings menu, ClearView Lighting”).
Detergent residue is left in the dispenser at the end of a program.	The dispenser was still damp when detergent was added. ■ Make sure the dispenser is dry before adding detergent.
The detergent dispenser lid 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 cabinet at the end of a program.	Before remedying the fault: ■ Turn the dishwasher off with the Ⓛ button.
	The filter combination in the wash cabinet is clogged. ■ Clean the filter combination (see “Cleaning and care, Cleaning the filters”).
	The drain pump or the non-return valve is blocked. ■ Clean the drain pump or the non-return valve (see “Maintenance”).
	The drain hose is kinked. ■ Remove any kinks from the drain hose.

Noises

Problem	Possible cause and solution
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.
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. 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")
Knocking noise in the water pipes	This may be caused by the on-site installation or the cross-section of the piping. However, this will not affect the dishwasher function in any way. ■ If in doubt, contact a plumber.

Problem solving guide


Poor cleaning results

Problem	Possible cause and solution
The dishes are not clean.	The dishes were not loaded correctly. ■ See notes in “Loading the dishwasher”.
	The program was not suitable for the requirements. ■ Select a more suitable program (see “Program overview”).
	Not enough detergent was dispensed. ■ Increase the dosage.
	The detergent used is not suitable for the type of soiling present. ■ Switch to another detergent.
	Items are blocking the path of the spray arms. ■ Rearrange the items so that the spray arms can rotate freely.
	The filter combination in the base of the wash cabinet is not clean or is not correctly fitted. This may have caused the spray arm jets to get blocked. ■ Clean and/or fit the filter combination correctly. ■ Clean the spray arm jets if necessary (see “Cleaning and care, Cleaning the spray arms”).
	The non-return valve is open and blocked. Dirty water has flowed back into the wash cabinet. ■ Clean the drain pump or the non-return valve (see “Maintenance”).
Smearing appears on glassware and cutlery, there is a bluish sheen on the surface of glassware; film can be wiped off.	The rinse aid dosage is set too high. ■ Reduce the dosage (see “Settings menu, Rinse aid”).

Problem solving guide


Problem	Possible cause and solution
Dishes are not dry or cutlery and glasses are spotty.	The rinse aid dosage is set too low or the rinse aid reservoir is empty. <ul style="list-style-type: none"> ■ Replenish the reservoir, increase the dosage or change the brand of rinse aid (see “Commissioning, Rinse aid”).
	Dishes were taken out of the chamber too soon. <ul style="list-style-type: none"> ■ Leave it in for longer (see “Operation”).
Glasses have a brownish-blue discolouration; the deposit cannot be wiped off.	Detergent deposits. <ul style="list-style-type: none"> ■ Switch to another detergent right away.
Glasses are dull and discoloured; the deposit cannot be wiped off.	The glassware is not dishwasher-proof. The surfaces are affected. <ul style="list-style-type: none"> ■ Purchase glassware which is dishwasher-proof.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected program was too low. <ul style="list-style-type: none"> ■ Select a program with a higher wash temperature.
	The bleaching effect of the detergent is too low. <ul style="list-style-type: none"> ■ Switch to another detergent.
Plastic parts are discoloured.	Natural dyes e.g. from carrots, tomatoes or ketchup may be the cause. The amount of detergent used or its bleaching effect was not sufficient to deal with natural dyes. <ul style="list-style-type: none"> ■ Use more detergent (see “Operation, Adding detergent”). <p>Discolored plastic items will not regain their original color.</p>

Problem solving guide

Problem	Possible cause and solution
<p>White residue is visible on the dishes. Clouding occurs on glassware and cutlery; film can be wiped off.</p>	<p>The rinse aid dosage is set 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 “Commissioning, Reactivation 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”).
<p>There are rust stains on cutlery.</p>	<p>A program was not run after reactivation 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.

Cleaning the water intake filter

A filter is incorporated in the screw connection to protect the water inlet valve. The filter must be cleaned when dirty, otherwise insufficient water flows into the wash cabinet.

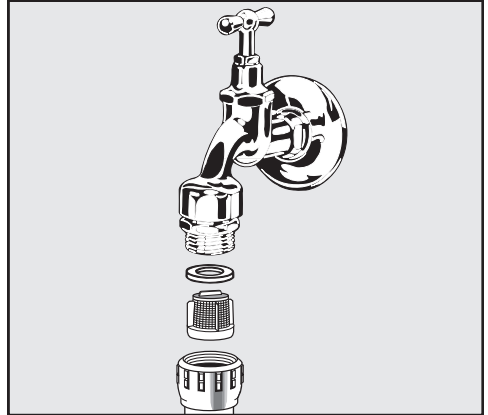
 The plastic housing of the water connection contains an electrical component. The housing must not be dipped in water.

Recommendation

If the mains water contains a large number of insoluble substances, we recommend fitting a large-area filter in the connection between the tap and the water inlet hose threaded union. This water filter is available from a Miele dealer or from Miele Service.

To clean the filter:

- Disconnect the dishwasher from the power supply.
To do this, turn off the dishwasher and withdraw the plug.
- Turn off the water supply.
- Unscrew the water inlet valve.



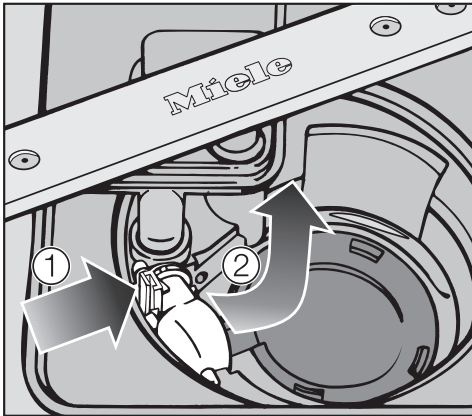
- Take the seal ring out of the screw connection.
 - Withdraw the filter using pointed pliers and rinse clean under running water.
 - Refit the filter and seal. Make sure it is fitted correctly.
 - Reconnect the water inlet valve to the water supply. Make sure not to cross-thread the connection.
 - Turn 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 inlet valve correctly.

Maintenance

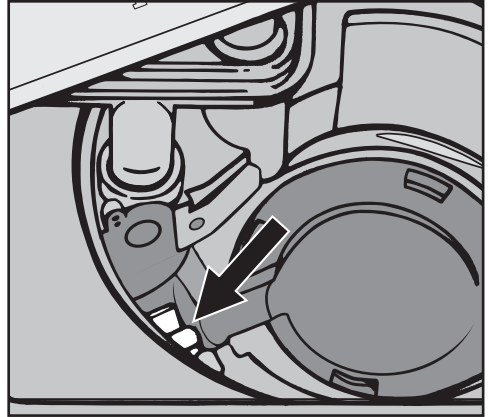
Cleaning the drain pump and non-return valve

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

- Disconnect the dishwasher from the power supply. To do this, turn off the dishwasher and withdraw the plug.
- Remove the filter combination from the wash cabinet (see “Cleaning and care, Cleaning the filters”).
- Scoop the water out of the wash cabinet using a small container.



- 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 soiling from the non-return valve.



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

- Carefully remove all foreign objects from the drain pump (watch out for glass splinters which are particularly difficult to detect). Turn the drain pump impeller by hand to check that there are no more obstructions. You will feel a little resistance when you turn the impeller.
- Carefully replace the non-return valve.

⚠ Make sure the catch engages correctly!

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

Contact in case of a fault

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

Contact information for Miele 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.

Note for test institutes

All information required regarding comparison testing and measuring noise levels is given in the "Comparison tests" leaflet.

The latest version of this leaflet can be ordered by email from:

– testinfo@miele.de

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

Optional accessories

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.

Glassware rail

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

Electrical connection

 All work on the electrical connection must be carried out by Miele Service, a Miele-authorized technician or a qualified electrician.

- The electrical installation must be in compliance with current local and national safety regulations!
- The plug connection must comply with national regulations. (The electrical outlet must be accessible after the appliance has been installed.) This therefore facilitates an electrical safety test performed during maintenance or service work, for example.
- If the dishwasher is permanently wired to the power supply, a main switch capable of disconnecting the dishwasher at all poles must be installed. This switch must have a contact gap of at least 3 mm and must also be lockable in the neutral position.
- If necessary, equipotential bonding must be carried out.
- If replacing the power cable, use only original Miele replacement parts or a suitable cable 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 durations, 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 base cover panel.

Electrical connection

The PG 8130 U / PG 8130i comes equipped with a 14/3 AWG cord for connection to a standard AC 120 V, 60 Hz power outlet with a NEMA 5-15P plug.

If available, the dishwasher may be connected to a 2N AC 120/208-240 V, 60 Hz power supply. This will increase the power to the heating elements and shorten the time of selected wash cycle.

	120 V	208 – 240 V
Rated load (kW)	1.5	3.9 – 4.2
Fuse rating	15 A	30 A

To connect the machine to a 2N AC 120/208-240 V supply, the standard power cord must be removed and replaced by a 10/4 AWG cable of the type: S, SE, SO, SOO, ST, STO or STOO. A 3-pole, 4-wire grounding plug and receptacle are recommended (NEMA Type 14-30P).

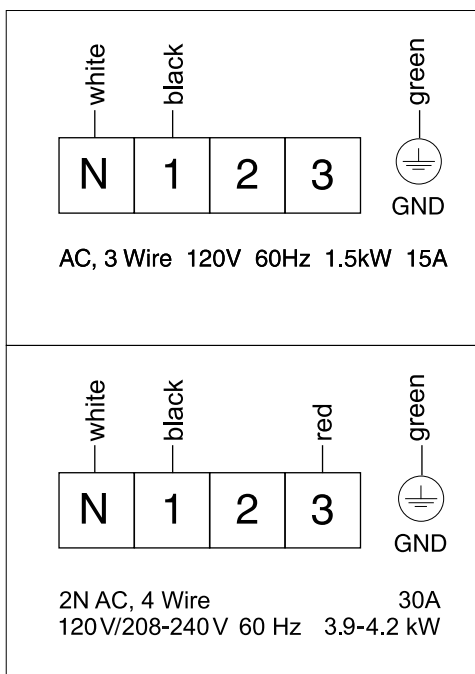
The conversion diagram and wiring diagram are secured to the inner side of the base cover.

Removing the toe kick

Disconnect the machine from the electrical supply.


- Remove the fixing screws from the toe kick and take it off.


Power connection options



Removing the base cover

The electrical terminal is located behind the front cover in the middle of the commercial dishwasher base.

 Disconnect the commercial dishwasher from the electrical power supply!

 All work on the electrical connection should be carried out by Miele Service.

- Unscrew the 2 screws (left and right) and remove the base panel.
- Screw the base panel back on when work on the connection is finished.

Follow the installation diagram included with the commercial dishwasher!

Grounding connection

The connection screw (⚡) for potential equalization is located at the back of the commercial dishwasher.

GROUNDING INSTRUCTIONS This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current. This appliance is equipped with a cord which has an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

WARNING – Improper connection of the equipment-grounding conductor can result in the risk of electric shock. Check with an electrician if in doubt of the appliance's grounding. Do not modify the plug provided with the appliance: if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

The wires in the cord are coloured in accordance with the following code:
green = ground
white = neutral
black = live 1
red = live 2


WARNING THIS APPLIANCE MUST BE GROUNDED

Plumbing

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.

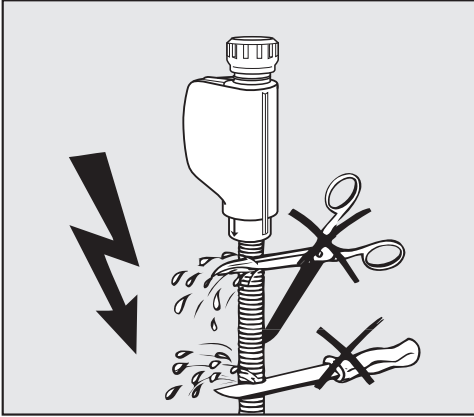
Water intake

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

- The dishwasher must be connected to the water supply in accordance with local regulations.
- The water quality should at least satisfy local drinking water requirements.
A high iron content can leave to external rust deposits on the wash load and the dishwasher itself.
A chloride concentration greater than 100 mg/l in the process water significantly increases the risk of corrosion for the wash load..
- 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 device for preventing the return flow of water is not necessary, if local regulations permit.

- The water pressure (flow pressure at the connection point) must be between 30 and 1000 kPa (4.5 - 145 psi).
If the water pressure is lower than this, the fault message *Water intake* will appear in the display (see “Problem solving guide”).
If the water pressure is too high, a pressure reducer valve must be fitted.
- A water shut off valve with a $\frac{3}{4}$ inch male thread must be provided on site. The valve should be easily accessible, since the water intake should be shut off whenever the dishwasher is not in use.
- The intake hose is an approx. 1.5 m (59") long DN 10 pressure hose with a $\frac{3}{4}$ " female thread. A 1.5 m (59") flexible metal hose (certified for a pressure of 14,000 kPa / 2030 psi) is available as an extension. Do not remove the dirt filter and the flow regulator in the screw connection.

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




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

Plumbing

Connecting the water drainage system

- The dishwasher drain is equipped with 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 suction lance.
- The dishwasher is supplied with an approx. 1.5 m (59") flexible drain hose with an internal diameter of 22 mm (7/8"). Clamps for connecting the hose are included with the dishwasher.
- The drain hose must not be shortened! The hose can be extended by a connecting piece and an additional hose. The drainage length must not be longer than 4 m (13' 1 1/2") and the delivery head must not exceed 1 m (3' 3 3/8").
- The drainage system must be able to handle a discharge rate of at least 16 L/min (4.2 gal/min).

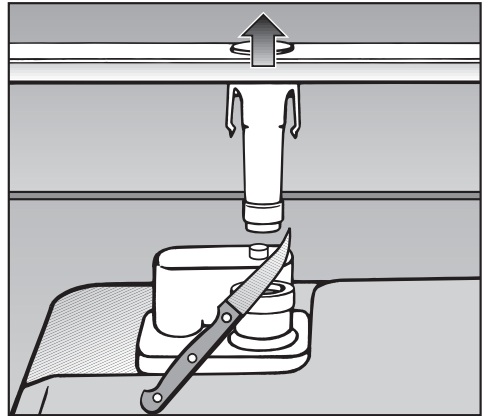
 Make sure that there are no kinks in the hose, and that it is not crushed or stretched.

Venting the drainage system

The drainage system must be vented if the on-site connection is situated lower than the guide path for the lower basket rollers in the door. Otherwise a siphoning effect during a program can cause the commercial dishwasher to empty itself of water.

To vent it:

- Open the commercial dishwasher door fully.



- Pull the lower spray arm firmly upwards to remove it.
- Cut off the cover of the vent valve in the wash cabinet.

Technical data

Model Dishwasher	Standard height PG 8130 U, PG 8130i
Height of built-in model	805 mm (32 1/10") (adjustable + 65 mm (2 9/16"))
Installation height	From 805 mm (32 1/10") (adjustable + 65 mm (2 9/16"))
Width	598 mm (23 9/16")
Installation width	600 mm (23 5/8")
Depth of built-in model	570 mm (22 7/16")
Weight	Max. 65 kg (143 lb)
Voltage Rated load Fuse rating	See data plate
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)	30 - 1.000 kPA (4.35 - 145 psi)
Cold or hot water supply	Up to max. 60°C (140 °F)
Mains water hardness	36 °d
Delivery head	Max. 1,0 m (3' 3 3/8")
Drain hose length	Max. 4,0 m (13' 1 1/2")
Ambient temperature	5°C (41 °F) to 40°C (104 °F)
Relative humidity Maximum Linear decreasing to	80 % for temperatures up to 31°C (88 °F) 50 % for temperatures up to 40°C (104 °F)
Power cable	Approx. 1,7 m (5' 7")
Capacity	13 place settings
Noise emission values Sound power in LwA Sound pressure in LpA	45 dB (A) 34 dB (A)
Test certificates awarded	CSA, UL 749, UL 921, Energy Star
CE mark	Machinery Directive 2006/42/EC
Manufacturer's address	Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany

Settings menu

Settings menu for changing basic settings

Opening the Settings menu

- Switch the dishwasher on with the ① button if it is switched off.
- Open the Settings menu with the ⚙️ button.

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* 🇬🇧 sub-menu.

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 appliance 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 middle button to confirm.

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

°d	mmol/L	gr/gal	Display
1	0.2	2	1
2	0.4	4	2
3	0.5	5	3
4	0.7	7	4
5	0.9	9	5
6	1.1	11	6
7	1.3	13	7
8	1.4	14	8
9	1.6	16	9
10	1.8	18	10
11	2.0	20	11
12	2.2	22	12
13	2.3	23	13
14	2.5	25	14
15	2.7	27	15
16	2.9	29	16
17	3.1	31	17
18	3.2	32	18
19	3.4	34	19
20	3.6	36	20
21	3.8	38	21
22	4.0	40	22
23	4.1	41	23
24	4.3	43	24
25	4.5	45	25
26	4.7	47	26
27	4.9	49	27
28	5.0	50	28
29	5.2	52	29
30	5.4	54	30
31	5.6	56	31
32	5.8	58	32
33	5.9	59	33
34	6.1	61	34
35	6.3	63	35
36	6.5	65	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 factory default.

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 dishes and glassware:

– Increase the rinse aid dosage.

If clouding or smearing appears on dishes and glassware:

– Decrease the rinse aid dosage.

■ Select the setting you want and confirm your choice with *OK*.

External dispensing

Activate automatic dispensing of liquid detergent if you have installed the optional external dosing module.

The DOS module comes with a separate installation manual.

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

The setting will remain active until you deactivate “External dispensing”.

When using liquid dispensing via an external DOS module, you can dispense the detergent according to the detergent manufacturer's instructions as a percentage or in millilitres per minute

Detergent quantity

The following functions will only become visible when external dispensing has been activated.

A detergent amount of 0.50 % is set as standard. The dispensed quantity can be modified between 0.1 and 2.00 % in increments of 0.05 %.

Settings menu

DOS flow rate

A flow rate of 60 ml/min is set as standard. The flow rate can be modified between 10 and 150 ml/min in increments of 5 ml/min.

Set the dosage according to the detergent manufacturer's recommendations.


- Choose the required detergent or flow rate quantities and confirm your selection with the *OK* button.

Venting the dispensing system

The dispensing system will not dispense reliably if there is air in the system.

The dispensing system must be vented if:

- The dispensing system is being used for the first time
- The liquid detergent reservoir was not refilled in time and the DOS system was emptied
- The detergent canister was replaced

 To ensure that the dispensing system functions properly, prior to venting make sure that the detergent container is full enough and that the dispensing lances are firmly attached to the containers.

- Select *Start venting* and press the middle button to confirm.

The venting process will begin. The remaining time appears in the display.

The “Pre-wash” program is offered directly after the venting process is finished. Start the program in order to dilute and drain any cleaning agent that escaped into the wash cabinet.

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 overview”).

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

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 zones in which the dishwasher can start. You can allocate different priorities to these time zones. The time with the cheapest electricity tariff 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 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 hours 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.

Settings menu

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 zone.
- 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.

Networking

Your dishwasher is equipped with an integrated WiFi module.

In order to connect your dishwasher to your WiFi 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 WiFi 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 WiFi 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 WiFi enabled Miele professional machines

Settings menu

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 timeframe 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*.

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 WiFi network and the Remote control function must be activated.

- Select the setting you want and confirm with **OK**.
- Use the **Back**  option to get into the **Settings**  menu.
- Use **Finish** 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** 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  button.

System settings

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

Settings menu

Module settings

We recommend connecting your dishwasher to your WiFi 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 factory default settings on your WiFi 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 WiFi module factory default settings have been restored.

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

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 overview”).

- 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*.

Memory

When the memory function is switched on, the most recently selected program is saved.

When you switch the dishwasher off and back on again, the program menu for the last program selected will appear in the display instead of the *ECO* program.

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

Refill indicators

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 reactivation salt and rinse aid and to switch the indicators back on.

Check filters

You can adjust the interval at which the reminder to check the filters appears. You can set an interval of between 30 and 60 program cycles.

The reminder to check the filters is set at the factory to appear after every 50 program cycles.

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

Settings menu

AutoOpen

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. 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 worktop 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*.

Demo mode

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 AutoOpen
The door will open automatically.
- Cont. BrilliantLight
The interior lighting is on constantly.

Factory default settings

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

WiFi 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 **Finish**.

- Select **Finish** and confirm with **OK**.

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



Canada
Importer
Miele Limited

Professional Division

161 Four Valley Drive
Vaughan, ON L4K 4V8
Phone: 1-888-325-3957
Fax: 1-800-803-3366
www.mieleprofessional.ca
professional@miele.ca

Miele Professional Technical Service

Phone: 1-888-325-3957
Fax: 1-800-803-3366
serviceprofessional@miele.ca

Germany
Manufacturer

Miele & Cie. KG
Carl-Miele-Straße 29
33332 Gütersloh