Miele
PROFESSIONAL

Operating Instructions
Commercial Dishwasher
PG 8061

NSF®

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

en - US, CA

M.-Nr. 09 974 532

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Warnings

⚠ Information which is important for safety is highlighted in a thick framed box with a warning symbol. This alerts you to the potential danger of injury to people or property.
Read these warning notes carefully and follow any procedural instructions and operating prompts.

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 marked by a box with thin line.
They are not necessarily critical to the operation of the dishwasher.

Operating steps

Additional instructions on how to operate the dishwasher are described step-by-step in a logical sequence.
Each new step is marked by a black square bullet point.

Example:
■ Open the dishwasher door.

Display

In this manual, information that is shown in the dishwasher display appears in a special font similar to the display text.

Example:

Select Delay start and confirm your entry with the *OK* button.

Proper use

This 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 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.

▶ With its short program running times and powerful cleaning performance, this Miele commercial dishwasher is intended for commercial use in the following:

- Guest houses
- School and day care centers, Restaurants and catering
- Nursing homes
- Other, similar commercial environments

▶ This appliance is designed exclusively for use as a "dishwasher" for cleaning cookware, glassware and cutlery only, as described in these instructions. Alterations or conversions to the dishwasher, or using it for purposes other than those for which it is designed, are not permitted and could be dangerous.
Miele cannot be held liable for damage caused by improper or incorrect use or operation.

▶ This commercial dishwasher is intended only for stationary indoor use.

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

▶ This commercial dishwasher is not suitable for the cleaning of medical products or devices.

▶ Persons who lack physical, sensory or mental abilities, or experience with the appliance should not use it without supervision or instruction by a responsible person.

Proper installation

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

▶ To ensure the stability of undercounter commercial dishwashers, they must only be installed beneath a continuous countertop that is bolted to the adjacent cabinetry.

▶ In order to reduce the risk of damage from condensation, the furniture in the area around the commercial dishwasher should be designed for commercial use.

Technical safety

▶ The commercial dishwasher must only be installed, commissioned, repaired and then maintained by the Miele Service Department or an authorized Miele Service dealer. Installation, repair and other work by unqualified persons could be dangerous and Miele will not be held liable.

▶ This commercial dishwasher must only be operated by appropriately trained personnel. They must be instructed and trained regularly.

▶ Before using the commercial dishwasher, check it for any externally visible damage. Under no circumstances should you use it if it has been damaged. It could be dangerous.

▶ In the event of a damaged or leaking commercial dishwasher, turn it off immediately and contact Miele or an authorized Miele Service dealer.

▶ Faulty components may only be replaced by genuine Miele original parts. Only when these parts are fitted can Miele guarantee the safety standards of the appliance.

▶ The electrical safety of this commercial dishwasher can only be guaranteed when it is connected to a correctly installed grounding conductor system. If in any doubt, please have the electrical installation tested by a qualified electrician. Miele cannot be held liable for the consequences for the lack or interruption of a grounding conductor (e.g. electric shock).

▶ Be sure to follow the installation instructions in this manual and in the installation diagram.

▶ Ensure that the connection data on the data plate (voltage, frequency, and fuse rating) match those of your electrical supply.

▶ There must be no electrical sockets behind the commercial dishwasher since the depth of the installation niche may be too small and there is a danger of overheating if the dishwasher is pushed up against a plug (see the "Electrical connection" chapter for more information).

▶ Do not connect the dishwasher to the electrical supply by a multiple outlet box or an extension cable since they do not guarantee the required safety of the appliance (e.g. danger of overheating).

▶ Do not open the commercial dishwasher casing under any circumstances. Tampering with electrical connections or components and mechanical parts is highly dangerous to the user and can cause operational faults.

▶ The commercial dishwasher must not be used if the connecting cable is damaged. If the cable is damaged, it must be replaced with a special connecting cable available from Miele. For safety reasons, this may only be performed by the Miele Service Department or an authorized Miele Service dealer.

▶ Before maintenance, disconnect the commercial dishwasher from the electrical supply.

▶ The plastic housing of the water connection contains electrical components. It must not be dipped in water.

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

▶ The built-in waterproof system offers reliable protection against water damage if the following conditions are met:

– proper installation
– proper maintenance of the dishwasher or exchange of parts in case of visible damage
– closing of the water valve during longer absences (for example vacation)

The waterproof system will work even if the dishwasher is turned off. However, the commercial dishwasher must remain connected to the electrical supply.

Correct use

▶ This commercial dishwasher is designed for operation with water and detergents suitable for use in commercial dishwashers only. Organic solvents and flammable liquid agents must not be used. This could cause an explosion, property damage due to the destruction of rubber or plastic, and the resulting leakage of liquids.

▶ Use detergents formulated for use in commercial dishwashers. Using unsuitable detergents could damage the dishes and the commercial dishwasher itself.

▶ Do not sit or lean on the opened door. This could cause the commercial dishwasher to tip or become damaged.

▶ After any plumbing work on the water supply, 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. If 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 wash cabinet is NOT safe to drink!

▶ The pretreatment of items (for example with dishwashing liquid and other detergents), but also some types of soiling and some detergents, can cause a build-up of foam in the wash cabinet. Foam can have an adverse effect on the cleaning result.

▶ Foam escaping from the wash chamber can cause damage to the dishwasher. If foam escapes, the program must be cancelled immediately and the machine must be disconnected from the electrical supply.

▶ 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 material damage and serious chemical reactions (e.g. oxyhydrogen explosion).

▶ Do not inhale or ingest powder detergent. Dishwasher detergents contain irritant or corrosive ingredients which can cause burning in the nose, mouth and throat if swallowed, or inhibit breathing. Seek medical attention immediately if detergent has been swallowed or inhaled.

▶ Miele cannot be held liable for any effect chemical detergents may have on the material of the items being cleaned. Observe the detergent manufacturer's instructions with regard to storage conditions, use, and dosage.

▶ To avoid material damage and corrosion, do not allow any acids or solutions containing chloride to get into the wash cabinet. Similarly avoid any materials with a corrosive effect.

▶ Do not wash items soiled with ash, sand, wax, lubricants, or paint in the dishwasher. These substances could damage the dishwasher.

▶ Do not hose down the dishwasher or its direct vicinity to clean it, e.g. with a water hose or high-pressure cleaner.

▶ 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 dishwasher so that you do not hurt yourself or create a danger for others. Cutlery should be placed in baskets in such a way that no injuries can occur.

▶ Remove any coarse food deposits from the items being cleaned before loading them in the dishwasher.

Children in the vicinity

▶ Supervise children when they are anywhere near this dishwasher. Do not let them play with it. There is a danger that children may lock themselves in the dishwasher.

▶ Children must not be allowed to operate this dishwasher.

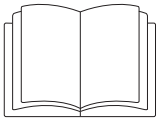
▶ Keep children away from chemical agents. These contain irritant and corrosive ingredients which can cause burning in the mouth, nose and throat if swallowed, or inhibit breathing. Keep children away from the dishwasher when the door is open. There could still be residual chemical agent in the cabinet. Seek medical advice immediately if a child has swallowed or inhaled chemical agent.

Accessories

▶ Only use genuine Miele original spare parts and accessories with this dishwasher. Miele will provide you with the article designations of the accessories.

▶ Only use Miele baskets and inserts with this dishwasher. Using baskets and inserts made by other manufacturers, or making modifications to Miele accessories can cause unsatisfactory cleaning results, for which Miele cannot be held liable. Any resultant damage would not be covered by the guarantee.

Symbols attached to the commercial dishwasher



Attention:
Observe the operating instructions

Attention:
Danger of electric shock!

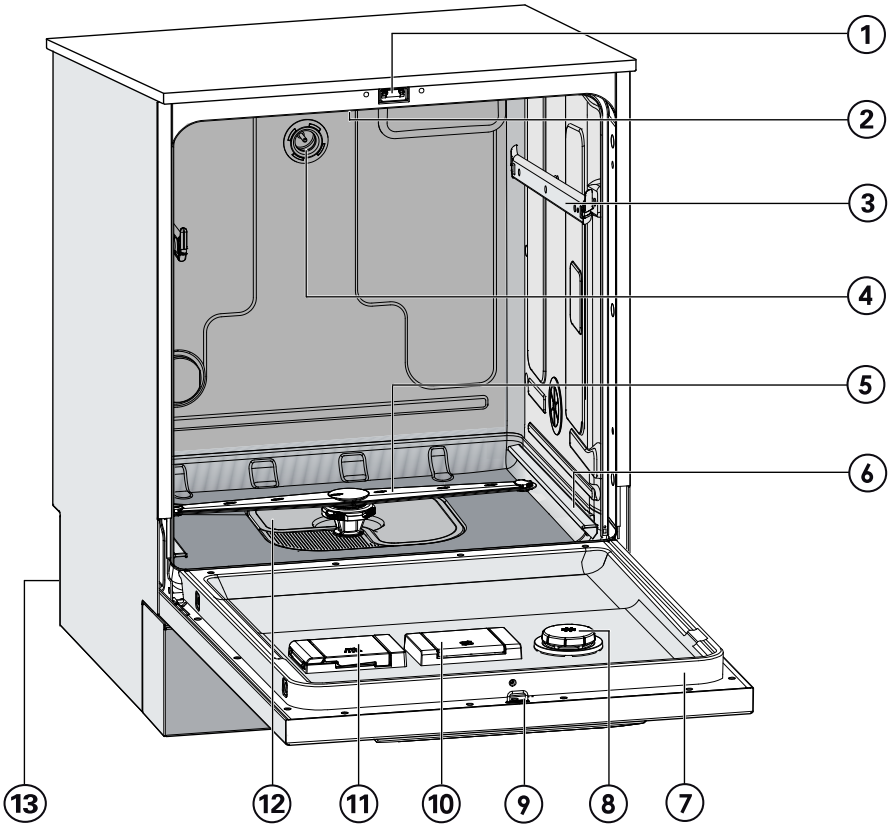
Disposal of the commercial dishwasher

▶ For safety and environmental reasons, dispose of all process chemicals according to the manufacturer's instructions and to safety regulations. Safety goggles and protective gloves should be worn.

▶ Remove or disable the door lock prior to disposal of the dishwasher, so that children cannot become trapped inside (see "Caring for the environment").

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

Appliance overview



① Door lock

② Upper spray arm (not visible)

③ Runner for upper basket

④ Connection for upper basket spray arm

⑤ Lower spray arm

⑥ Runner for lower basket

⑦ Data plate

⑧ Rinse aid reservoir

⑨ Door lock barrel

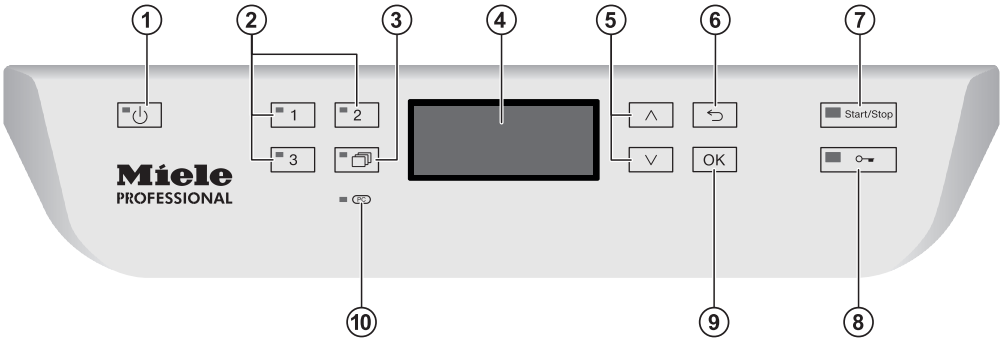
⑩ Reservoir for reactivation salt

⑪ Dispenser for powder detergent

⑫ Filter combination

⑬ Back:
Connection for DOS modules
External dispensing pump for liquid detergent (DOS1)
External dispensing pump for rinse aid (DOS4)

Control panel



① ⏻ button (On/Off)
For turning the dishwasher on and off

② Buttons 1 - 3 (program selection buttons)
Shortcut buttons for storing favorite programs

③ ▭ button (additional programs)
For selecting additional programs

④ Display
User interface output

⑤ ∧ and ∨ button (arrow buttons)
Navigation in user interface

⑥ ⮌ button (cancel or back)
For canceling a process in the user interface
(not for canceling programs)

⑦ *Start*/*Stop* button
For starting or cancelling a program

⑧ ⊶ button (door release)
For opening the door or interrupting a program

⑨ *OK* button (confirmation)
For selecting or confirming entries in the user interface

⑩ Optical interface (PC)
Testing and transmission point for Miele customer service technicians.

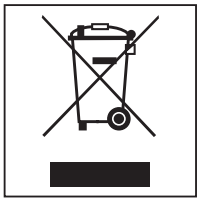
Disposal of the packing material

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

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

Disposal of your old appliance

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



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

User groups

Users can be divided into two groups:

– Daily operators

– Experienced operators

When entering a code, the "Additional settings" for general use can be blocked (see "Additional settings, Code").

Daily operators

Daily operators must be instructed in operating and loading the dishwasher and trained regularly to guarantee safe daily use.

Experienced operators

Experienced operators can additionally block access to programs, modify temperature and holding times within program cycles, and alter water levels.

Display functions

The display is not a touch screen.

The following functions can be selected or set with the display:

– The program

– The delay start time

– The settings

The following appears in the display while a program is running:

– The program name

– The program stage / target temperature / actual temperature

– The estimated time left for the program to run

– Any relevant fault messages and information

Menu operation

This dishwasher is operated exclusively via buttons on the control panel. Arranged to the side of the display, the buttons (button fields) are printed on the stainless steel control panel. They are operated by pressing gently.

Menu operation is via the keypad to the right of the display.

– ∧ button
For navigating upwards by row within a menu, or increasing the value highlighted.

– ⮌ button (Cancel or back)
For ending a menu early. Any changes to settings are not saved and the display reverts to the previous menu.

– ∨ button
For navigating downwards by row within a menu, or decreasing the value highlighted.

– *OK* button
For confirming a selection or for saving input. The display moves to the next menu or, when entering values, to the next input position. The procedure for entering the values is described in the respective chapter.

Menus

The dishwasher's user interface is divided into different menus. These menus are displayed in a 3-line display on the control panel.

Example:

The name of the menu and a maximum of two menu options are shown. The currently selected option is highlighted.

Single selection

The ∧ and ∨ arrow buttons are used to navigate within the menu. The highlighted option is selected by pressing the *OK* button. Once selected, the option will have a checkmark ✓ beside it. Other options are automatically deselected.

Press the *OK* button to move to the next higher menu, or to the next entry position when confirming values. The procedure for entering values is described in the corresponding chapter. Press the ⮌ button to return to the previous menu without saving the entry.

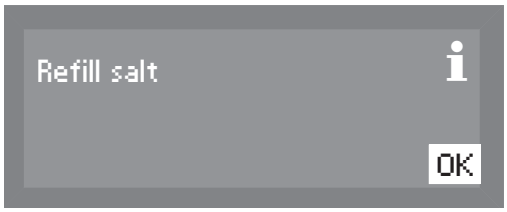
Multiple selection

The ∧ and ∨ arrow buttons are used to navigate within the menu. Several options can be selected within the menu in succession using the *OK* button. Once selected, an option will have a checkmark ☑ beside it.
To save your chosen options, select Accept and confirm with the *OK* button.

System messages

The i symbol indicates a system message. These messages provide information about current processes and the status of the dishwasher. System messages are displayed individually at the end of the program. If there are multiple system messages, the additional messages can be displayed by pressing the *OK* button. A system message can be accessed again during a program cycle by pressing *OK*.

Example:



Automatic switch-off

The dishwasher has an automatic switch-off function. The dishwasher switches itself off automatically once the set time has expired. The display and all other LEDs are switched off. To switch the dishwasher on press the ⏻ (On/Off) button.

The automatic switch-off function can be disabled (see "Additional settings, Switch off after"). The display will then remain active in standby mode.

Symbols in the display

Navigation arrows ▲▼

If a menu contains more than two options, two navigation arrows are shown beside the options. The arrow buttons ∧ and ∨ can be used to scroll through the options.

Dotted line -------

If a menu contains more than two options, the end of the option list is marked by a dotted line. The last entry appears above the line, the first entry below it.

Tick ✓

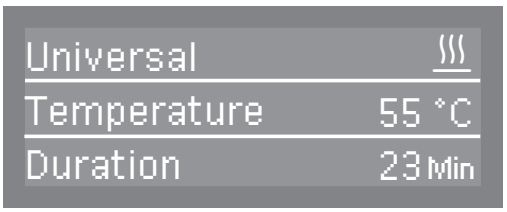
If there are several options available, the current setting is marked with a tick ✓.

Example:

Drying ≋

If drying assistance has been activated, the drying symbol will be displayed to the right of the program name.

Example:



System messages ℹ

The ℹ symbol denotes system messages and is displayed alternately with the ≋ symbol. If OK appears in the bottom right of the display, the system message must be confirmed using the *OK* button. If OK does not appear in the display, after a few seconds the display skips to the next level up.

Fault messages ⚠

In the event of a fault, a warning triangle is shown in place of the ℹ symbol. See "Frequently asked questions" for more information.

Commissioning

During initial commissioning, the following settings must be carried out. You will be asked to program settings one after the other automatically, and currently selected values have a tick ✓ beside them. The commissioning process requires a set period of time which cannot be interrupted.

The dishwasher will guide you automatically through the steps required.

Reactivation is carried out during the first program following commissioning.

If the first program after initial commissioning is not completed and the dishwasher is then turned off, the commissioning process must be carried out again.

The following options (with the exception of "Plumbing connections") can be altered subsequently by selecting the "Settings ⚑" menu and "Additional settings".

Switching on the machine

The dishwasher must be connected to the electrical supply.

Close the door
(door must be completely closed for commissioning).

- Press the ⏻ button until the button's LED lights up.

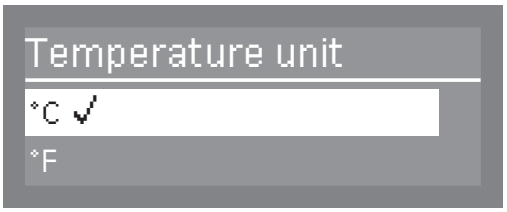
Setting the language

The commissioning process automatically begins at the language setting screen, where you will be prompted to set the display language.

- Use the ∧ and ∨ arrow buttons to select the desired language and confirm your choice with the *OK* button.

Setting the temperature unit

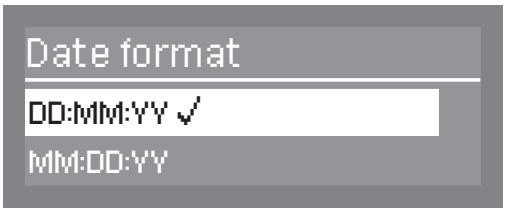
The display will then change to the screen for setting the temperature unit.



- Use the ∧ and ∨ arrow buttons to select the desired temperature unit and confirm your choice with the *OK* button.

Setting the date format

The display then will change to the screen for setting the date format.



- Use the ∧ and ∨ arrow buttons to select the desired date format and confirm your choice with the *OK* button.

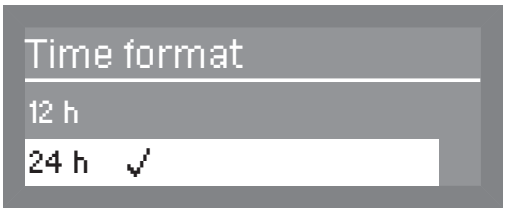
Setting the date

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

- Use the arrow buttons ∧ (higher) and ∨ (lower) to set the day, month and year, and confirm each entry with the *OK* button.

Setting the clock format

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



- Use the ∧ and ∨ arrow buttons to select the desired format, and confirm your choice with the *OK* button.

Setting the time of day

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

- Use the arrow buttons ∧ (higher) and ∨ (lower) to set the hours and minutes, and confirm each entry with the *OK* button.

If you have selected 12 h for the clock format, "am" or "pm" will appear beside the time.

Setting the water hardness level

The display changes to the water hardness setting.

The dishwasher must be programmed to match exactly the hardness of your water.

- Your local water supplier can tell you the water hardness level in your area.
- Where the water hardness fluctuates (e.g. 8-18 gpg/8-17 °dH), always program the dishwasher to the higher value (in this example, 18 gpg/17 °dH).

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

The water hardness factory setting is programmed at 20 gpg (19°dH)

- Use the arrow buttons ∧ (higher) and ∨ (lower) to set the water hardness required and confirm your entry by pressing the *OK* button.

See "Filling the dishwasher salt reservoir" for more information about setting the water hardness level.

Water connections

The display will then change to the screen for setting the water connection.

This setting can be disabled if it is not possible to connect the dishwasher to all available water connections.

If individual water connections are disabled, they can only be enabled again by Miele Service.

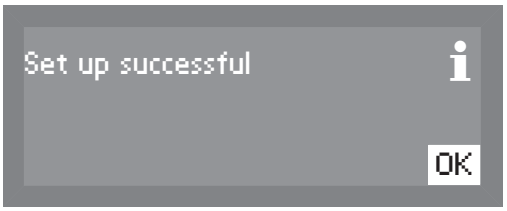
- Use the ∧ and ∨ arrow buttons to select the water connections which are not in use, and confirm your choice with the *OK* button.

The checkmark ✓ will be removed from the box ☐ and the water connection is then disabled.

- Select Accept to save your choice, and confirm your setting with the *OK* button.

Commissioning completed

Commissioning is successfully completed and the following message will appear in the display.



- Press the *OK* button.

The dishwasher is now ready for use.

The start screen is displayed for 3 seconds.
Then the first shortcut button program will appear in the display.

Convenient door lock

This dishwasher is equipped with a convenient door lock.
This door locking mechanism helps drying by opening the door by a couple of centimeters at the end of the program (except Reactivation, Rinse and Drain) This function can also be deactivated (see "Settings ⚑, Drying").

Opening the door ⊶

The door can only be opened if the dishwasher is connected to the electrical supply and is turned on (the LED ⏻ is lit on the keypad).

The control panel also serves as a door handle.

- Press the ⊶ button to open the door. The LED on the keypad turns off as soon as the door is unlocked.
- Grasp the handle underneath the control panel and lower the door to open.

Pressing the ⊶ button during operation can interrupt the program (see "Operation, Interrupting a program").

A program which is already running should only be interrupted if absolutely necessary, e.g. if the wash load is moving significantly.

Closing the door

- Insert the baskets.
- Raise the door upwards and push it gently until the latch audibly engages. The door will be drawn automatically into its final closed position by the closing mechanism.

⚠ Do not touch the door frame.
Risk of injury!

If the door cannot be closed properly by the mechanism because it is obstructed by cookware or similar, a three-digit error code will appear in the display (see "Frequently asked questions").

- Remove the obstruction from the vicinity of the door.

If too much force is used when closing the door, the automatic closing mechanism may not work, which may result in the door not being properly closed.

The dishwasher can only be guaranteed as waterproof if the automatic closing mechanism has drawn the door into the final closed position.

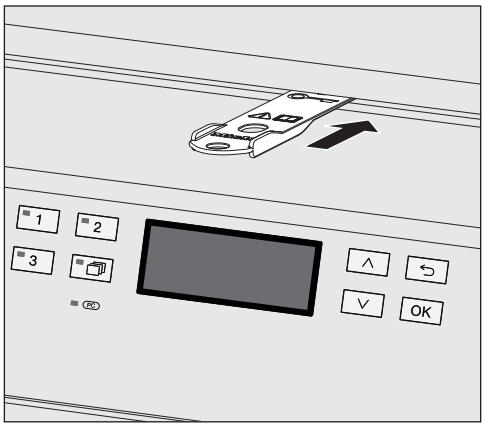
Opening the door using the emergency release

⚠ The emergency release should only be operated when it is no longer possible to open the door in the usual way.

⚠ If the emergency release is operated during a program cycle, hot water can escape.
Danger of scalding and burning.

The emergency release mechanism is located on the right beside the door lock between the door and the lid of the appliance (or the counter, with built-under appliances).

The emergency release is operated using the tool supplied in the accessory pack with the operating instructions.



- Insert the tool for the emergency release into the gap between the lid and the door to the right of the lock. The right hand edge of the tool should ideally be aligned with the right hand edge of the display.
- Push the slider for the emergency release backwards with the tool until the door opens slightly.

If you push against the door of the dishwasher at the same time, less force will be needed to operate the emergency release.

When the door has been opened using the emergency release, the following message will appear in the display:

Confirm the message after the door has been released from the closing mechanism. The last program used will then appear in the display.

Reactivation

In order to achieve excellent cleaning results, the dishwasher needs to operate with soft water. Hard water results in the buildup of calcium deposits on the load and the machine walls.

Water with a hardness of 4 gpg (= 4 °dH German scale) or greater must be softened. This occurs automatically in the built-in water softener.
In order for this process to function properly, the water softener must be set to the exact hardness of the water supplied.

Your local water authority will be able to tell you the exact degree of hardness of your water supply.
In the event of a service call at a later date, the technician's job will be easier if the actual water hardness is known. Please note your water hardness level here:

_____ gpg or °dH German scale

The water softener must be reactivated at regular intervals.
A special reactivation salt is required for this task.

⚠ Do not fill the salt compartment with dishwasher detergent (including liquid detergent).
Dishwasher detergent will damage the softener assembly.

Only use special coarse grained dishwasher salt for reactivation, or pure evaporated salt.
Miele Professional offer appropriate products.
Other types of salt may contain insoluble components which can damage the softener assembly.

If the hardness of your water is consistently less than 4 gpg (= 4 °dH German scale), it is not necessary to add any salt to the water softener. However, the water hardness will still need to be set.

Setting the water hardness level

The water softener can be set to between 0 and 73 gpg (0 - 70 °dH German scale).

- Select the Additional settings menu.
- Select Water hardness and confirm your choice with the *OK* button.

The factory default setting for the water softener is a hardness of 20 gpg (19°dH German scale).
Please observe the table below when setting the hardness level.

If the water hardness fluctuates, e.g. between 8 and 18 gpg (8 and 17 °dH German scale), always be sure to set the dishwasher to the higher value, 18 gpg (17 °dH German scale) in this example.

- Use the arrow buttons ∧ (higher) and ∨ (lower) to set the required water hardness level, and confirm your entry with the *OK* button.

Settings table

gr/gal	ppm $CaCO_3$	mmol/l	**Display**
0	0	0	**0**
1	20	0.2	**1**
2	40	0.4	**2**
3	50	0.5	**3**
4	70	0.7	**4**
5	90	0.9	**5**
6	110	1.1	**6**
7	130	1.3	**7**
8	140	1.4	**8**
9	160	1.6	**9**
10	180	1.8	**10**
11	200	2.0	**11**
12	220	2.2	**12**
13	230	2.3	**13**
14	250	2.5	**14**
15	270	2.7	**15**
16	290	2.9	**16**
17	310	3.1	**17**
18	320	3.2	**18**
19	340	**3.4**	**19 *)**
20	360	3.6	**20**
21	380	3.8	**21**
22	400	4.0	**22**
23	410	4.1	**23**
24	430	4.3	**24**
25	450	4.5	**25**
26	470	4.7	**26**
27	490	4.9	**27**
28	500	5.0	**28**
29	520	5.2	**29**
30	540	5.4	**30**
31	560	5.6	**31**
32	580	5.8	**32**
33	590	5.9	**33**
34	610	6.1	**34**
35	630	6.3	**35**

gr/gal	ppm $CaCO_3$	mmol/l	**Display**
36	650	6.5	**36**
37	670	6.7	**37**
38	680	6.8	**38**
39	700	7.0	**39**
40	720	7.2	**40**
41	740	7.4	**41**
42	760	7.6	**42**
43	770	7.7	**43**
44	790	7.9	**44**
45	810	8.1	**45**
46	830	8.3	**46**
47	850	8.5	**47**
48	860	8.6	**48**
49	880	8.8	**49**
50	900	9.0	**50**
51	920	9.2	**51**
52	940	9.4	**52**
53	950	9.5	**53**
54	970	9.7	**54**
55	990	9.9	**55**
56	1000	10.0	**56**
57	1020	10.2	**57**
58	1040	10.4	**58**
59	1060	10.6	**59**
60	1070	10.7	**60**
61	1090	10.9	**61**
62	1110	11.1	**62**
63	1130	11.3	**63**
64	1150	11.5	**64**
65	1160	11.6	**65**
66	1180	11.8	**66**
67	1200	12.0	**67**
68	1220	12.2	**68**
69	1240	12.4	**69**
70	1250	12.5	**70**

*) Factory default setting

Salt refill reminder

- At the end of a program, fill the salt compartment with salt whenever the message appears in the display.
- Acknowledge the message with the *OK* button.

If no salt is added, the **i** symbol indicating low salt will appear beside the program name on the right.
The low salt message will appear again at the end of each program.

Refill reminders can be displayed during the program cycle by pressing the *OK* button.

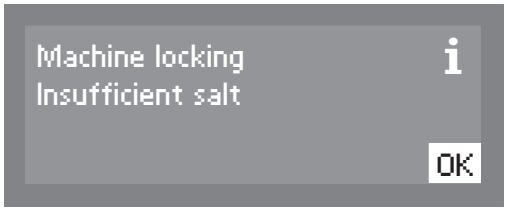
If there are no additional refill reminders, the **i** symbol in the display will go out after a few seconds once the salt has been refilled.

The salt refill reminder is deactivated if the dishwasher is set to a water hardness of 0 - 0.7 mmol/l (0 - 4 °dH German scale).

Appliance lockdown due to low salt

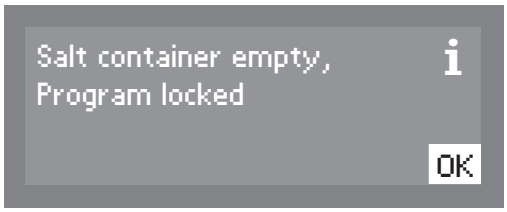
If the low salt reminder is ignored for several program cycles and the salt is not refilled, the appliance will be locked to prevent further use until more salt is added.

The following message will appear in the display shortly before this happens:



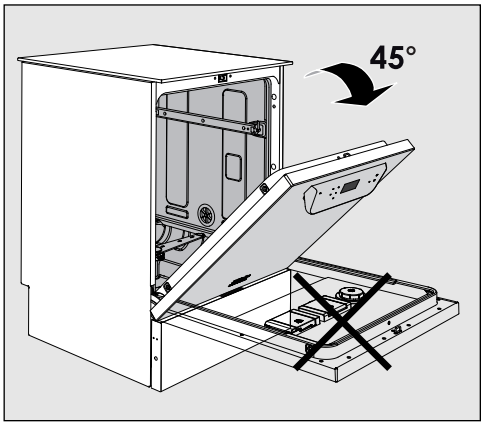
Depending on the selected program and the water hardness setting, only a few more program cycles will be possible.

If additional program cycles are run without the salt being refilled, the dishwasher will be locked to prevent operation.

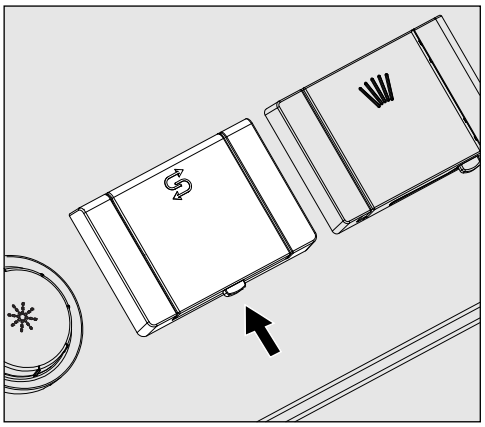


When reactivation salt is added, the appliance will automatically unlock after a few seconds.

Filling the salt compartment

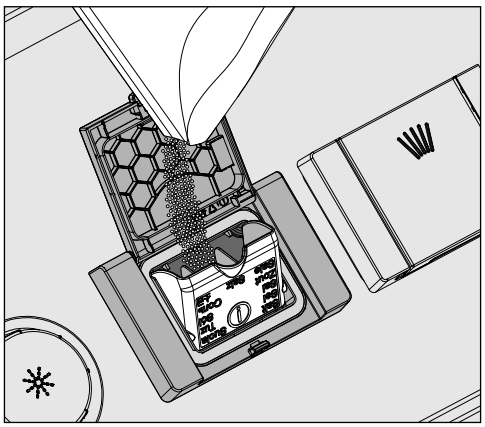


- When adding salt, only open the door **half way** to avoid spills.



- Press the button on the lid of the salt compartment in the direction of the arrow until the flap springs open.
- Open the funnel.

Do **not** pour any water into the salt compartment!



- Only add salt until the funnel of the salt compartment is full so that the funnel can continue to close properly. The salt compartment holds approx. 4.4 lbs (2 kg) of salt on the first fill depending the coarseness of the salt.
  This number may be lower for subsequent refills, since there may still be salt left in the compartment.

Filling the salt container

Do not add more than 4.4 lbs (2 kg) of salt.

If there is water present in the compartment, it may be forced out by the added salt.

- Clean any excess salt from around the compartment opening and the seal surrounding it, and then close the flap.
- After refilling the salt compartment, run the Rinse program immediately (with the dishwasher completely empty) to remove any traces of salt from the interior. Salt residues can corrode the wash cabinet.

Rinse aid

Rinse aid is necessary to ensure water does not cling and leave marks on cookware before the drying phase and helps cookware dry faster after it has been washed.
Rinse aid can be poured into the reservoir in the door or can be dispensed via an external dispensing DOS module (Optional accessory - see "DOS module").

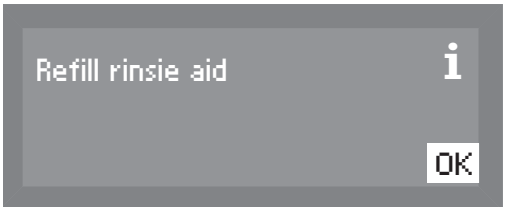
⚠ Only fill the rinse aid reservoir with rinse aid. Do not fill it with detergent (including liquid detergent). This will seriously damage the reservoir.

Suitable products are available from Miele Professional.

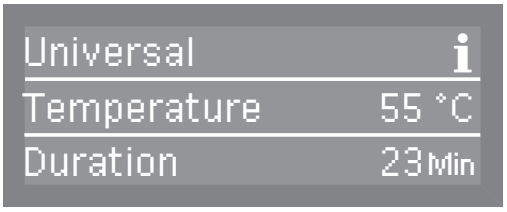
Conversion to the external DOS module must be carried out only by Miele Service or by an authorized dealer.

Rinse aid indicator

- Refill the rinse aid at the end of a program whenever the message appears in the display.



- Acknowledge the message with the *OK* button.



If rinse aid is not added, the **i** symbol indicating low rinse aid will appear beside the program name on the right.

The refill reminder will be displayed again at the end of every subsequent program.

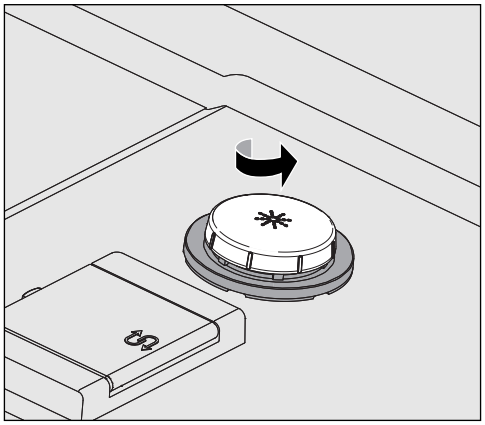
Refill reminders can be displayed during the program cycle by pressing the *OK* button.

If there are no additional refill reminders, the **i** symbol in the display will go out a few seconds after the rinse aid has been refilled.

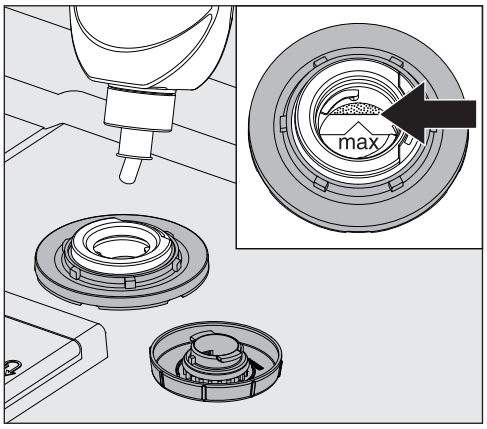
Adding rinse aid

Adding rinse aid

- Open the door **all the way**.



- Unscrew the lid of the rinse aid compartment.



- Add rinse aid only until it is up to the maximum mark on the edge of the funnel on the reservoir.

The rinse aid compartment holds approx. 10 oz (300 ml).

- Screw the lid of the rinse aid compartment back on tightly so that water cannot get into the compartment during the wash cycle.
- Run the "Cold" program to rinse away any spilled rinse aid. This prevents over-foaming occurring during the next program.

You can adjust the dispensing quantity of the rinse aid for best results (see "Additional settings, Additional functions").

Preparing the load

Remove coarse food residues from the dishware.

There is no need to rinse items under running water!

Tips

⚠ Ensure that no acid or solvent residues, especially hydrochloric acid or chlorides, get inside the machine.

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

Load the dishware and utensils into their appropriate places in the baskets, but be sure to observe the following instructions:

- Load the dishware so that water can access all surfaces. This ensures that the items will be properly cleaned.
- Load plates symmetrically in the upper and lower baskets with the concave surfaces facing the center of the basket (as shown on the following pages).
- Do not place dishes or cutlery inside other pieces. They will cover one another.
- Make sure that all items are securely positioned.
- Hollow items such as cups, glasses and pans, etc. should be placed upside down in the baskets.
- Tall and narrow hollow items should be placed in the center of the basket if possible to ensure better water coverage.
- Concave items such as mugs or bowls should be placed at an angle so that the water can run off.
- The spray arms must not be blocked by items which are too tall or hang through the baskets. If in doubt, test for free movement by manually rotating the spray arms.
- Small items can fall through the holders in the baskets. Small items should therefore be placed in the cutlery basket.

Application technology

Items not suitable for dishwashers:

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

We recommend

- When purchasing new cookware and cutlery, make sure they are dishwasher-proof.
- Clouding may occur on glasses after frequent washing. If delicate glassware is washed in the dishwasher ensure that only a special glass-care program with very low temperatures (see program chart) is selected and that suitable detergent is used. This will reduce the risk of clouding.

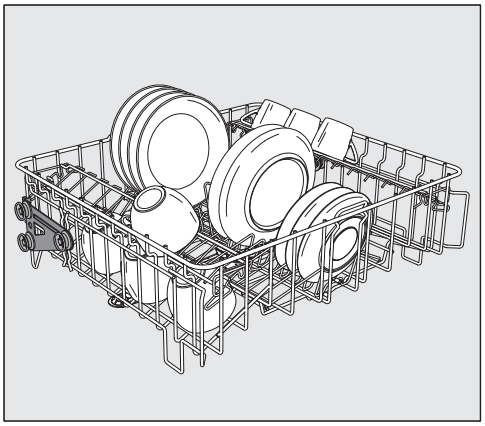
Please note:

Silver and aluminum which has been in contact with foods containing sulfur can discolor.

⚠ Aluminum components (e.g. grease filters) must not be cleaned with caustic alkaline commercial or industrial cleaning agents. These may damage the material, or in extreme cases, there is a risk of a severe explosive chemical reaction (such as an explosive oxyhydrogen gas reaction).

Upper basket

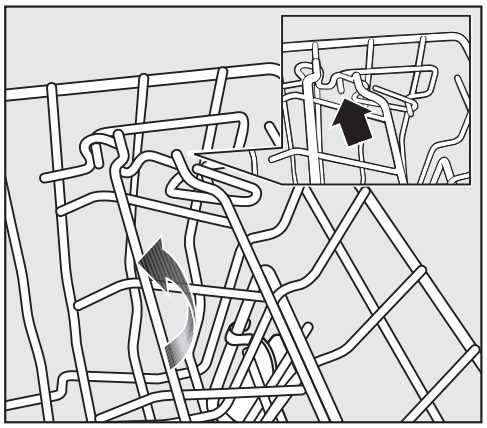
Use the upper basket for small, lightweight and delicate items such as cups, saucers, glasses, dessert bowls etc. Light, heat resistant plastic items can also be loaded in the upper basket.



O 891 upper basket

With insert E 810 for e.g. 20 cups, 33 saucers or 17 dessert plates.

Cup rack



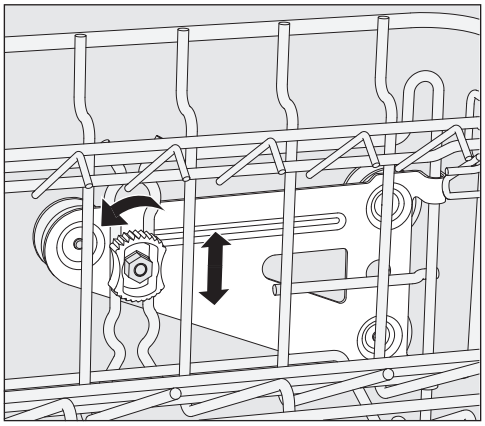
The cup rack can be set at two different widths so that it can also accommodate large cups.

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

Adjusting the upper basket

In order to obtain more space for taller items in the lower or upper basket, the upper basket can be adjusted between two vertical positions that are 5 cm apart.

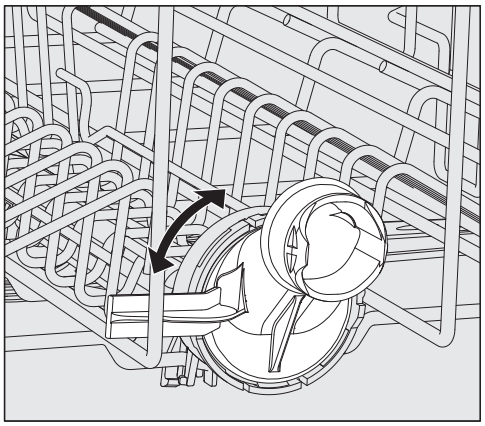
- Pull the upper basket out.



- Unscrew the lock nuts on both sides.
- Lift or lower the basket into the desired position.
- Tighten the lock nuts again.

⚠ The upper basket must be level in both positions.
If the basket is not level, the water connection will be blocked.

⚠ When changing the height of the upper basket, always adjust the water connection accordingly before pushing the upper basket back in.



- Turn the upper basket water connection to the upper or lower position.
  The water connection must click audibly into place.

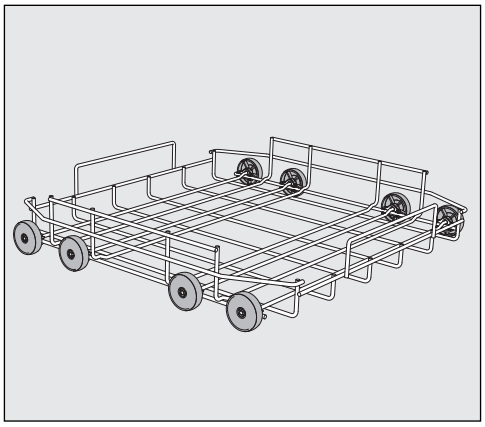
Depending on the position of the upper basket, the following plate dimensions can be accommodated:
Example with upper basket O 891:

Upper basket position	Upper basket plate Ø	Lower basket plate Ø
Upper	Max. 5 1/8" (15 cm)	13" (33 cm) *
Lower	Max. 7 7/8" (20 cm)	9 3/4" (25 cm)

* Plate insert E 812 required in the lower basket.

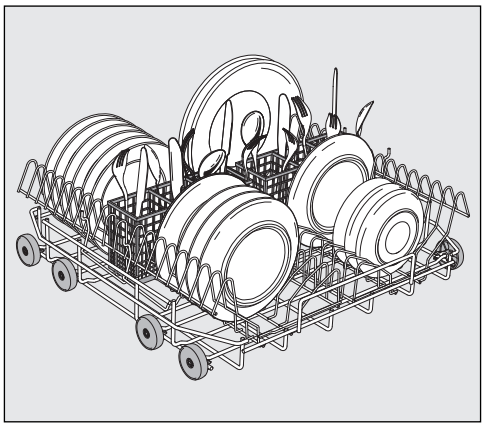
Lower basket

Use the lower basket for larger and heavier items such as plates, serving platters, saucepans, bowls, etc.
Always place thin, delicate glassware in the lower basket using a suitable insert or basket.



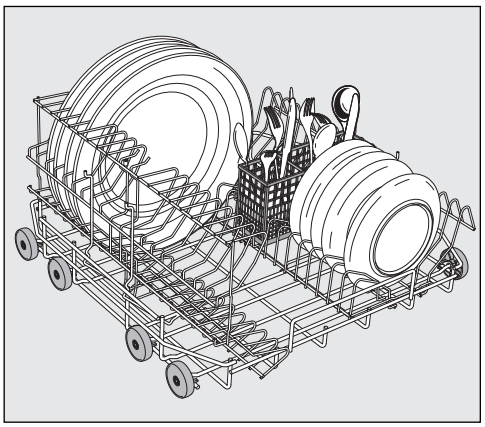
U 890 lower basket carrier

For plastic trays, various inserts and cutlery baskets.



U 890 lower basket with 2 x E 816 inserts and 2 x E 165 cutlery baskets

16 plates with Ø 9 3/4" (25 cm) and various cutlery items can be loaded. Without the cutlery baskets, 19 plates with Ø 9 3/4" (25 cm) can be loaded into the E 816 inserts.

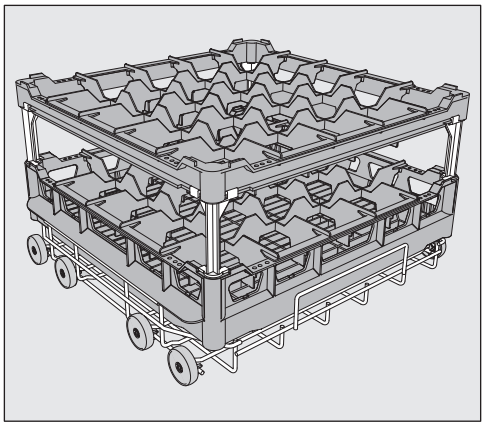


U 890 lower basket with an E 816 insert rotated 90°

With the E 165 cutlery baskets, 16 plates with Ø 13" (33 cm) and various cutlery items can be loaded. Without the cutlery basket, 19 plates with Ø 13" (33 cm) can be loaded into the rotated E 816 insert.

Use of plastic trays

The U 890 lower basket carrier can be loaded with plastic trays measuring 19 3/4" x 19 3/4" (500 x 500 mm).

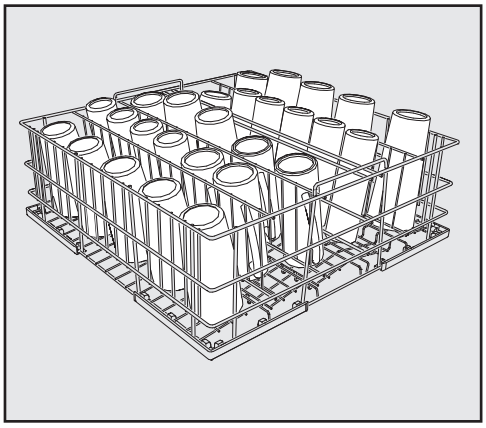


The special O 885 upper basket is required for loading plastic trays in the upper basket (max. height for items is 5 1/8" (130 mm)).

The special U 876 lower basket carrier is required for loading taller items in the lower basket.

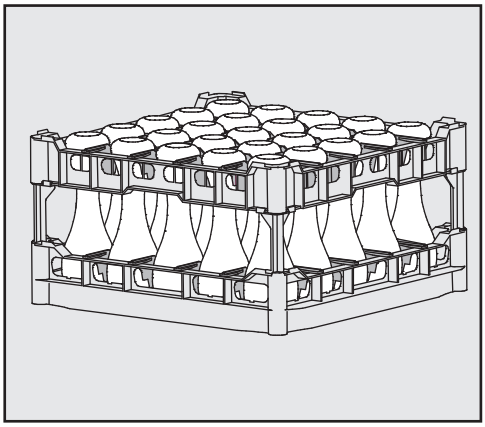
The type, shape and size of the items to be washed will determine which basket combination to use.
For additional information on the range of available baskets please contact your Miele dealer or Miele Service.

Examples: (lower baskets)



U 525 5-row wire basket

The wire basket can be used for glasses with a maximum diameter of 3 1/8" (8 cm).

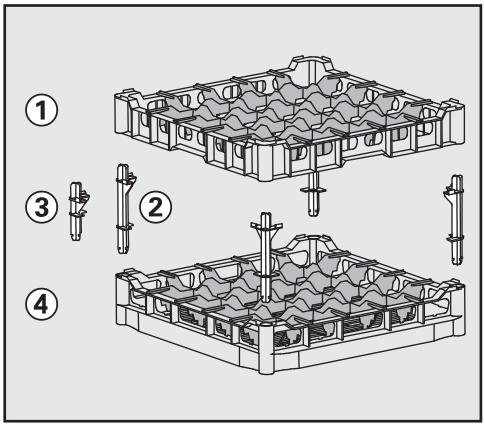


U 534 - U 537 plastic trays with compartments for different glass heights

In this example the plastic tray is connected to the top frame by long extenders.
(for assembly in U 876 lower basket carrier only)

Assembling a plastic tray

The height of the tray can be altered by fitting a top frame ① to the base ④ with long ② or short ③ extenders.



- Push all four extenders into the base basket ④.
- Press the top frame ① securely onto the extenders.

Adding detergent

Only use detergent for commercial dishwashers.
Suitable products are available from Miele Professional.

The detergent can be dispensed in powder form via the powder detergent dispenser or in liquid form via an external DOS module (optional accessory - see "DOS module").

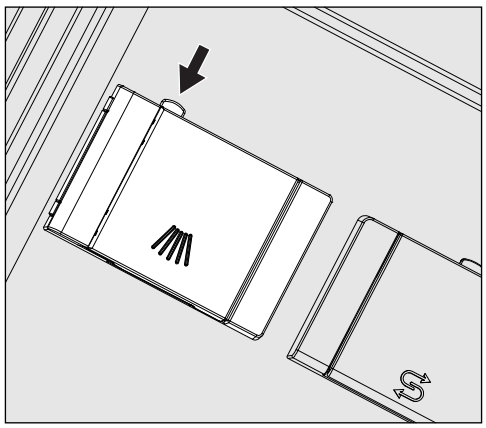
Tabs can be used in all programs.
Only use tabs that are quick dissolving. Suitable tabs are available from Miele Professional.

Powder detergent

Only use powder detergent in the door dispenser compartment.

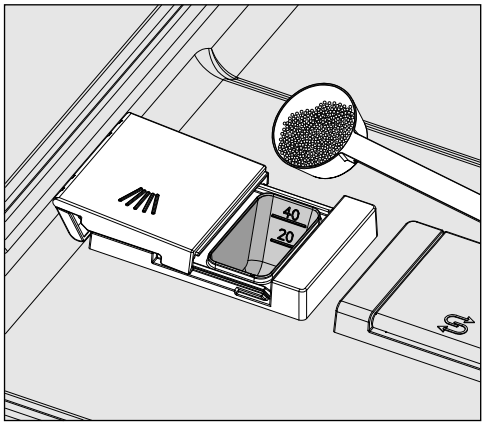
Add powder detergent to the detergent dispenser in the door before every wash program (except , Rinse, Reactivation and Drain). Follow the tips on the next page.

- Add the appropriate amount of detergent to the dispenser according to the degree of soiling of the items to be washed (observe the quantities given in the "Program chart").



- Press the opening catch on the dispenser in the direction of the arrow. The flap will spring open to the left.

The cover will already be open after a completed wash program.



- Add the required amount of powder detergent and close the flap.

Dispensing

■ Always follow the recommendations of the detergent manufacturer.

There are markings to assist with dispensing: 20, 40. The marks indicate a level of approx. 20 or 40 ml (0.7 oz or 1.3 oz) when the door is open in the horizontal position. They also indicate the approx. level in grams (depending on the manufacturer and the coarseness of the agent).

The compartment holds a maximum of 2 oz (60 ml).

DOS module

In addition to the internal dispensing systems, up to two additional external dispensing systems (DOS modules) can be connected for dispensing liquid process chemicals.

Suitable products are available from Miele Professional.

For more information on Miele DOS modules, please contact your Miele dealer or Miele Service.

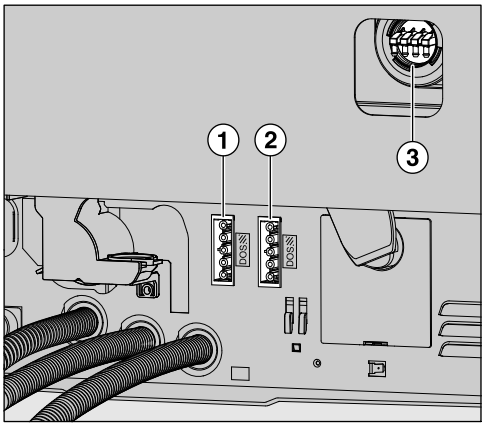
Labelling of the siphons

Liquid process chemicals from external containers are dispensed by siphons. Color coding the siphons can be helpful for correct dispensing.

For cleaning specific types of soiling, and for information on the best detergents and additives to use for liquid dispensing, please contact Miele Service.

Connecting DOS modules

The DOS module comes with a separate installation manual.



① Power supply for DOS 1, detergent.

② Power supply connection for DOS 4 rinse aid

③ Connections for dispensing hoses

⚠ Before fitting the DOS module, compare the connection data (voltage and frequency) on the data plate with that on the data plate of your machine. If the data does not match, the module could sustain damage. If in doubt, consult an electrician.

- Connect the module to the machine's power supply.
- To connect the dispensing hose, release the hose clip on a free connector and remove the safety cap.
- Push the dispensing hose onto the connector and secure it with a hose clip.

Unused connectors must be blanked off with safety caps to prevent the leakage of wash fluid.

Setting the dispensing concentration

For information about setting the dispensing concentration, see "Additional settings / Additional functions / Dispensing systems".

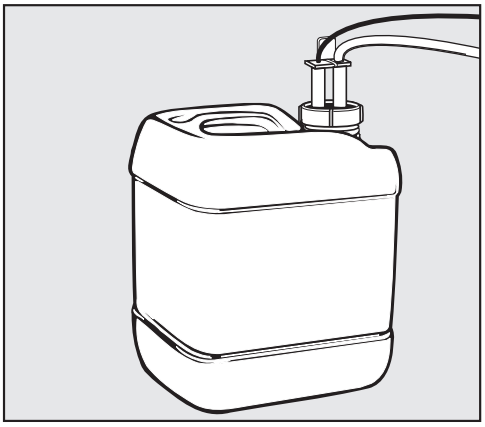
Refilling or changing containers

The DOS module is equipped with a level monitor which shows a message in the display when the amount drops below the minimum level.

- As soon as the message appears in the display, refill or replace the container with a full one at the end of the program.
- Acknowledge 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 the next program is started.

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



- Unscrew and remove the siphon. Place the siphon on the open cabinet door.
- Replace the empty container with a full one.
- Push the siphon into the opening of the container and screw it on tightly. Be sure to observe the color coding.
- Wipe up any spilled process chemicals thoroughly.
- Place the container on the floor next to the dishwasher or in an adjacent cupboard. The container must be on the same level as the dishwasher. It must not be placed higher than the dishwasher or on top of it.
- The DOS system must then be vented.

To vent the system and set the dispensing quantity, see "Additional settings, Additional functions."

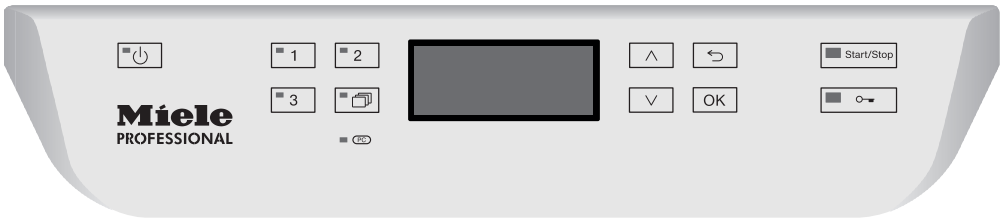
Checking consumption

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

LEDs on the keypad

Light-emitting diodes that indicate the status of the dishwasher are integrated in the keypad.
Except for the *Start*/*Stop* button, which has a green LED during normal operation, all other LEDs light up yellow.
In the event of a fault the *Start*/*Stop* button flashes red.

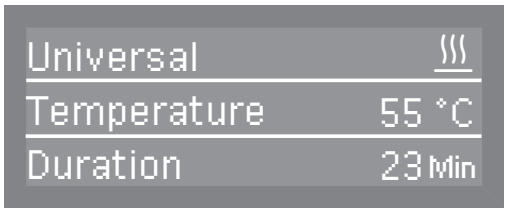
Button	LED	Status
⏻ (On/Off) button	**ON**	The dishwasher is on.
	OFF	The dishwasher is off.
1, 2 and 3 buttons (program shortcut buttons)	**ON**	The lit program has been selected. At the end of the program, the LED will remain lit until a different program is selected.
	OFF	The program is not selected, or program settings are being configured.
button (additional programs)	**ON**	A program was selected from the program list. At the end of the program, the LED will remain lit until a different program is selected.
	OFF	No program has been selected from the list, or program settings are being configured.
Start/*Stop* button	**ON**	A program is running.
	FLASHES GREEN	A program has been selected, but has not yet started.
	FLASHES RED	A fault has occurred.
	OFF	A program has finished.
button (door button)	**ON**	A program has been selected, but has not yet started.
	FLASHES	A program has finished and the door is closed.
	OFF	A program is running.



Switching on

- Turn on the water supply if it is off.
- Press the ⏻ button until the LED on the keypad lights up.
- Close the door (the LED on the ⚷ button will light up).

As soon as the commercial dishwasher is ready for operation, the display message changes to show the last selected program, e.g.:



Selecting a program

Choose your program according to the type of load and how dirty it is.

Shortcut buttons

The most frequently used programs can be selected using the shortcut buttons 1, 2 and 3. Programs can be assigned to these buttons as desired (see "Additional settings").

In the factory default setting, the first three programs from the program chart (see "Program chart") are assigned to the shortcut buttons.

- Select a program using the shortcut buttons.

The LED for the shortcut button will light up and the LED for the *Start/Stop* button will flash.

Program list

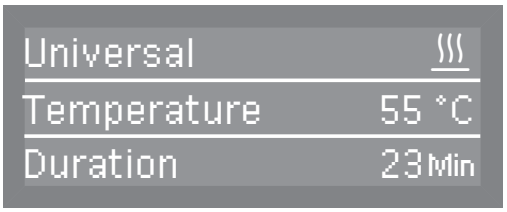
Programs that cannot be selected using the shortcut buttons can be selected from the program list.

- Press the button.

The following selection menu appears in the display:

- Select the desired program using the ∧ and ∨ buttons, and confirm your choice with the *OK* button.

The selected program will be shown in the display, e.g.:



The LED for the button will light up and the LED for the *Start*/*Stop* button will flash.

Additional functions can be selected by pressing the *OK* button (see "Additional functions").

Starting a program

■ Press the *Start*/*Stop* button.

The LED for the *Start*/*Stop* button will light up and the LED for the ⊶ button will go out.

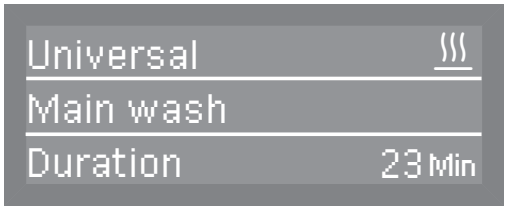
Once it has been started, a program can no longer be changed. A running program can either be interrupted (see "Interrupting a program") or cancelled (see "Canceling a program").

Program cycle display

After the start of a program, the wash phase description and, for 10 seconds, Program running are shown in the display.

During the program cycle, the arrow buttons ∧ and ∨ can be used to switch between the wash phase, the set temperature, and the actual temperature in the second line of the display.

The time remaining is shown in the third line of the display.



Program end

When a program ends normally, the LED for the *Start*/*Stop* button goes out and the LED for the ⊶ will flash. The message Program finished will appear in the bottom line of the display.

In addition, a buzzer will also sound for approx. 3 seconds (factory default setting). To adjust the buzzer volume, see "Settings ⚑, Volume".

If drying assistance has been enabled (see "Settings ⚑, Drying"), the door will automatically open a few centimeters.

If the Switch-off function is enabled, the dishwasher switches itself off after a short period of time.
Press the ⏻ button to switch the dishwasher on again.

Turning off the dishwasher

- Press the ⏻ button until the button's LED goes out.

Unloading the dishwasher

Dishes tend to break and chip more easily when they are hot. Allow the dishes to cool until they are cool 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. This will prevent water drops from the upper basket falling onto the dishes in the lower basket.

Interrupting a program

A program which is already running should only be interrupted if absolutely necessary, e.g. if the wash load is moving about significantly.

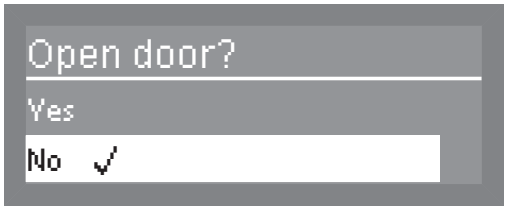
⚠ Caution! The wash load and the interior of the dishwasher may be hot.
Danger of scalding and burning.

■ Press the ⊶ button.

⚠ If the temperature in the wash cabinet is more than 158°F (70 °C), the warning Wash cabinet too hot will appear in the display.

■ Acknowledge the message with the *OK* button.

The following will appear in the display:



■ Select Yes and confirm your choice with the *OK* button.

The program is only cancelled when Yes is confirmed.
If confirmation does not occur within 20 seconds after the ⊶ button has been pressed, the display will revert to the program cycle.

The door will open and the following message will appear in the display:

■ Rearrange the items so that they are stable.

■ Close the door.

The program will continue from the point at which it was interrupted.

The display will automatically revert to the program cycle.

Cancelling a program

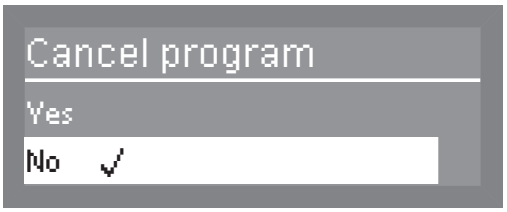
Only cancel a program that has already started if it is absolutely necessary, e.g. if you want to change the program.

In the event of a fault, the program will be cancelled automatically.

⚠ Caution! The wash load and the interior of the dishwasher may be hot.
Danger of scalding and burning.

■ Press the *Start*/*Stop* button.

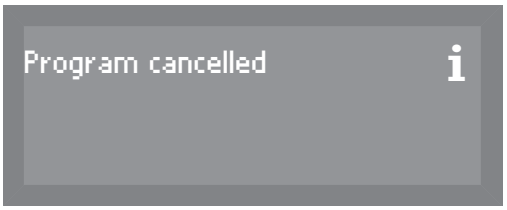
The following will appear in the display:



■ Select Yes and confirm your choice with the *OK* button.

The program is only cancelled when Yes is confirmed.
If confirmation does not occur within 20 seconds after the *Start*/*Stop* button has been pressed, the display will revert to the program cycle.

The following message appears in the display:



If you change the program and the detergent dispenser flap has already opened, add more detergent as needed.

Program chart

Program	Application	Powder detergent (if liquid cleaning agent is **not** dispensed)
		The following dosages are based on Miele detergents. **Please follow manufacturer's instructions on dosage**
Short	"Quick wash" for lightly soiled wash loads with fresh traces of easily removable food residues.	1.5 - 2 tbsp. or 1 tab in the detergent dispenser
Universal	For normally soiled items.	1.5 - 2 tbsp. or 1 tab in the detergent dispenser
Intensive	For heavily soiled items.	1.5 - 2 tbsp. or 1 tab in the detergent dispenser
⇆ Reactivation	Manual reactivation. This can be run to prevent the need to run a reactivation program during busy periods.	
Rinse	Used for rinsing heavily soiled items and to prevent food remains from drying on the items. Also used for flushing salt residue out of the cabinet after refilling the salt container.	
Drain	For pumping away the rinse water when, for example, the water for the "Short" program needs to be replenished or the program has been cancelled.	

Program cycle						
1. Pre-wash	2. Pre-wash	3. Main wash (1) / (2)	4. Interim rinse	5. Interim rinse	6. Final rinse (1) / (2)	7. Drying
X		X 151 °F 1 min		(X)	X 185°F 1 min	(X)
X		X 151 °F 1 min	X	(X)	X 185°F 1 min	(X)
X	X	X 151 °F 3 min	X	(X)	X 185°F 1 min	(X)
Reactivation cycle			(X)			
	X					

X = Stages included in the program
(X) = Optional stages that can also be selected (see "Additional settings, Additional functions")

(1) Temperature range 86 - 185°F (see "Additional settings, Additional functions").
(2) Holding time range 0 - 10 minutes (see "Additional settings, Additional functions").

Delay Start

You can schedule the start time of a program in advance. The start time can be delayed by 1 minute to 24 hours.

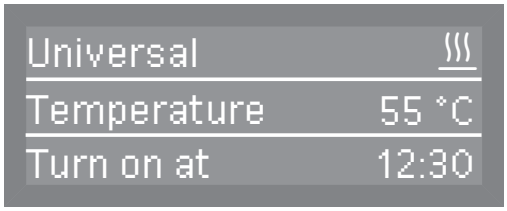
The Delay Start function must be enabled in the Settings menu (see "Settings ⚑, Delay Start").
If Delay Start is disabled, the function will not appear in the "Additional functions" screen.

When using the Delay Start function together with powder detergent, make sure that the detergent dispenser is dry before adding the detergent. Wipe dry with a cloth if necessary.
If the compartment is wet, detergent can clump up and stick to the dispenser, which may prevent the detergent from being fully dispensed.

Setting the start time

- Turn the dishwasher on using the ⏻ button.
- Select the desired program (see "Operation, Selecting a program"). The LED for the *Start*/*Stop* button will flash.
- Press the *OK* button.
- Select Delay start and confirm your choice with the *OK* button.

- Use the arrow buttons ∧ (higher) and ∨ (lower) to set the hours and minutes, and confirm each entry with the *OK* button.
- After entering the start time, press the *Start*/*Stop* button.



The selected program, along with the temperature and start time, will then be displayed.

To cancel the entered Delay Start setting before the program starts, turn the dishwasher off using the ⏻ button.

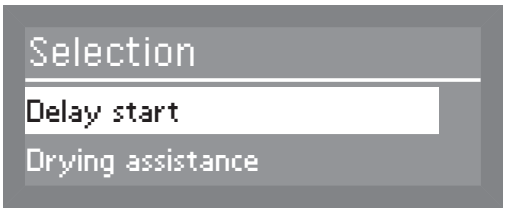
Drying assistance

To achieve better drying results, the dishwasher door will automatically open a few centimeters at the end of the program. This function cannot be activated for all programs (see "Program chart").

Drying assistance can still be activated or deactivated for the selected program even if the function is permanently enabled or disabled in "Settings ⚑, Drying.
This one-time setting applies to the selected program only and will no longer be used after the program has finished.

- Switch the commercial dishwasher on with the ⏻ button.
- Select the program you require (see "Operation, Selecting a program"). The LED on the *Start*/*Stop* button will flash.
- Press the *OK* button.

If Delay Start is enabled in "Settings ⚑ Delay start" the following selection menu will appear in the display:



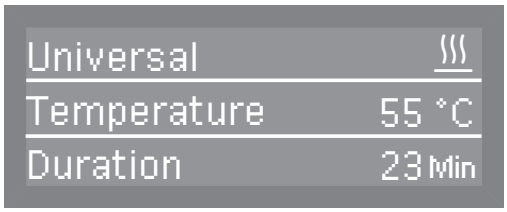
- Select Drying assistance and confirm your entry with the *OK* button.

If Delay Start is disabled in "Settings ⚑, Delay start" the following drying assistance options appear immediately.

– No
  Drying assistance is deactivated for the selected program.

– Yes
  Drying assistance is activated for the selected program.

The opposite of the setting which has been adopted under "Settings ⚑"Drying, will appear as an option in the display.
Pressing the *OK* button will adopt the option.



If drying assistance is active, the drying symbol will appear next to the program name.

If the temperature in the wash chamber is greater than 67 °C after the last wash phase, an active cooling phase will also be run before the program finishes. Only after the wash cabinet has dropped below 153 °F will the program be finished.
An audible signal will then sound, Program finished will appear in the display, and the door will automatically open a few centimeters wide.

Accessing the "Settings" menu

You can access the system settings menu as follows:

- Turn the dishwasher off.
- Press and hold the ⮌ button and, at the same time, turn the dishwasher on using the ⏻ button.

The display will then show the following options, for example:

If the ⮌ button is pressed at this menu, the dishwasher will exit system settings and return to normal operation.

- Select the Settings option and open the corresponding menu by pressing the *OK* button.

Options in the Settings menu

– Delay start
Enable or disable Delay Start (see "Delay Start")

– Drying
Permanently enable or disable drying assistance and adjust the drying time (see "Drying")

– Language
Select the system language (see "Setting the language")

– DOS priming (Option is only visible if a DOS module is activated)
Vent dispensing system (see "DOS venting")

– Date
Set date and date format (see "Setting the date")

– Time of day
Set the time and clock format (see "Time of day")

– Volume
Set the volume of keypad and buzzer (see "Buzzer tones")

Menu structure

The factory defaults for the menu structure are shown.

Menu	1. Submenu	2. Submenu
1. Delay start	No ✓ Yes	
2. Drying	No Yes ✓	
3. Language ⚑	German ✓ English (GB) etc.....	
4. Priming DOS	DOS 1 DOS 4	
5. Date	Date format Set	DD:MM:YY ✓ MM:DD:YY
6. Time of day	Set Display Time format	Set the time Do not display ✓ On On for 60 seconds 12 h 24 h ✓
7. Volume	Keypad tone Buzzer tones	 Program end Warning

Delay Start

You can determine whether Delay Start appears in the "Additional functions" menu or not.
Selecting No will remove Delay Start from the "Additional functions" menu as an operation option.
To enable the delayed start of a program, Yes must be selected so that Delay Start can be displayed and selected in the "Additional functions" menu.
For information on setting the start time, please see "Additional functions, Delay Start".

- Select the Settings menu.
- Select Delay start and confirm your selection with the*OK* button.

The following settings options are available:

– No
Delay Start is disabled and therefore not visible as an additional function.

– Yes
Delay Start is enabled.

- Select the desired option and confirm your choice with the *OK* button.

Drying

You can turn assisted drying on or off for all programs that support this function.
Under "Additional functions", you can separately activate or deactivate drying for individual programs (see "Additional functions, Drying assistance").

- Select the Settings menu.
- Select Drying and confirm your choice with the*OK* button.

The following options are available:

– No
Drying is disabled.

– Yes
Drying is enabled for those programs which support drying assistance.

Setting the language

The language set here will be used in the display.

The flag symbol next to the "Settings" menu and the word "Language" will help guide you if a language that you do not understand has been set.
In this case, keep selecting the menu option that is followed by a flag until the "Language" submenu appears.

- Select the Settings menu.
- Select Language and confirm your choice with the *OK* button.

A list containing all available system languages will appear in the display.

- Use the ∧ and ∨ arrow buttons to select the desired language, and confirm your selection with the *OK* button.

Venting DOS modules

This option is only visible when a DOS module is connected.

The dispensing system for liquid agents can only dispense reliably if the system has been purged of air.

The DOS system must be vented if:

– it is being used for the first time.

– the liquid cleaning agent container has been replaced,

– the dispensing system has been sucked completely dry.

⚠ To avoid damage to the dispensing system, make sure before venting that the detergent and rinse aid containers are adequately filled and that the dispensing siphons are screwed securely to the containers.

■ Select the Settings menu.

■ Select DOS priming and confirm your choice with the*OK* button.

■ Select the dispensing system to be vented using the ∧ and ∨ arrow buttons and confirm your choice with the *OK* button.

The dishwasher will then begin automatically venting the selected dispensing system. Once this process is complete, Dispensing system successfully primed will appear in the display.

■ Press the *OK* button to acknowledge the message.

Setting the date

- Select the Settings menu.
- Select Date and confirm your choice with the *OK* button.

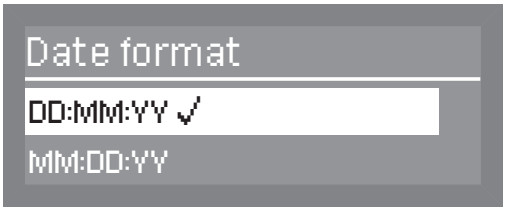
In the following menu, you can choose between:

– Date format
This menu option offers two different formats for displaying the date.

– Set
This option is used to set the date in the selected format.

Date format

- Select Date format and confirm your choice with the *OK* button.



DD stands for day
MM stands for month
YY stands for year

- Select the desired date format and confirm your choice with the *OK* button.

Setting the date

- Select Set and confirm your choice with the *OK* button.

- Use the arrow buttons ∧ (higher) and ∨ (lower) to set the day, month and year, and confirm each entry with the *OK* button.

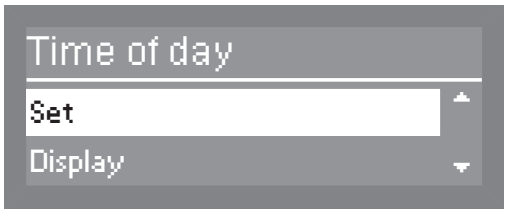
After the day, month and year have been set, the display automatically reverts to the Date menu.

Setting the time of day

■ Select the Settings menu.

■ Select Time of day and confirm your entry with the *OK* button.

In the following menu, you can choose between:



– Set
Set the time of day.

– Display
Time of day displayed when the dishwasher is idle.

– Time format
Set the clock format.

The dishwasher does not automatically adjust between summer and winter time. This must be done manually by the operator as required.

Setting the time

■ Select Set and confirm your entry with the *OK* button.

■ Use the arrow buttons ∧ (higher) and ∨ (lower) to set the hours and minutes, and confirm each entry with the *OK* button.

When hours and minutes have been set, the display reverts automatically to the Time of day menu.

Display

If required, the time of day can be displayed once the "Switch off after duration" has elapsed (see Additional settings, Switch off after. The LED in the ⏻ button will start to flash.
The dishwasher is ready for use when the time is visible in the display. Pressing any button will reactivate it.

■ Select Display and confirm your entry with the *OK* button.

The following options are available:

– Do not display
The time of day is not displayed. The dishwasher switches off at the end of the preset waiting time.

– On
After the waiting time has elapsed, the time of day is displayed continuously.

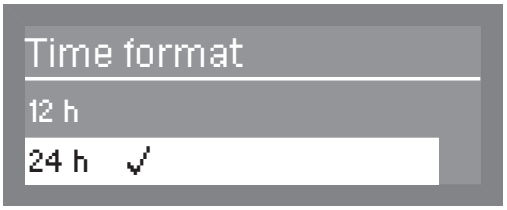
– On for 60 seconds
The time of day is displayed for 60 seconds after the waiting time has elapsed. After 60 seconds, the commercial dishwasher switches itself off.

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

Clock format

■ Select Time format and confirm your entry with the *OK* button.

The following options are available for clock format in the display:



– 12 h (am / pm)

– 24 h

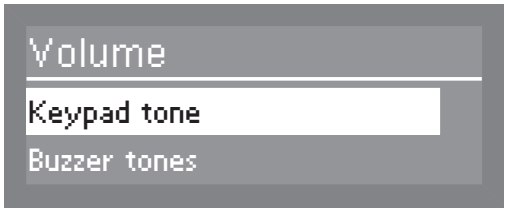
■ Select the desired format and confirm your choice with the *OK* button.

Adjusting the volume

The dishwasher has audible tones that sound when buttons on the keypad are pressed, at the end of a program, and when there are system messages.

- Select the Settings menu.
- Select Volume and confirm your choice with the *OK* button.

The following options are available:



– Keypad tone
Set the volume for the keypad buttons.

– Buzzer tones
Set the volume for the program end and for messages.

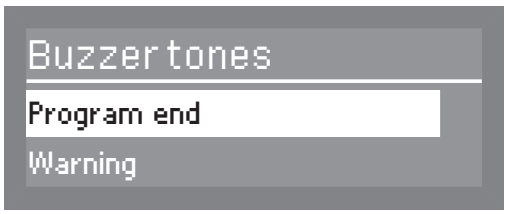
Keypad

- Select Keypad tone and confirm your choice with the *OK* button.
- Set the desired volume (see "Setting the volume") and confirm your selection with the *OK* button.

Buzzer

- Select Buzzer tones and confirm your choice with the *OK* button.

The following options are available:



– Program end
Set the buzzer volume for the end of the program.

– Warning
Set the buzzer volume for messages.

- Select the appropriate option and confirm your choice with the *OK* button.
- Set the desired volume (see "Setting the volume") and confirm your selection with the *OK* button.

Setting the volume

The procedure for setting the volume is always the same. The display also looks similar, e.g.:

■ Use the arrow buttons ∧ (louder) and ∨ (softer) to set the volume.

The volume level is shown as a bar. On the lowest setting, the buzzer is turned off.

■ Confirm the volume setting with the *OK* button.

If confirmation does not occur within approx. 15 seconds, the display will automatically switch to the next higher menu without saving the setting.

Accessing the "Additional settings" menu

To access the "Additional settings" menu:

- Turn the dishwasher off.
- Press and hold the ⮌ button and, at the same time, turn the dishwasher on using the ⏻ button.

The display will then show the following options, for example:

If the ⮌ button is pressed at this menu, the dishwasher will exit the additional settings and return to normal operation.

- Select Additional settings and open the corresponding menu by pressing the *OK* button.

Options in the "Additional settings" menu

This menu can be protected with a PIN code (see "Additional settings, Code").

– Code
Assign a PIN code and configure settings (see "Code")

– Log book
Display consumption levels for supplies used and operating hours (see "Log book")

– Temperature unit
Choose a temperature unit of either °C or °F (see "Temperature unit")

– Move program
Assign programs to the shortcut buttons (see "Move program")

– Additional functions
Modify program parameters such as water intake, interim rinses, temperatures, and holding times, as well as detergent concentration levels for the DOS module (see "Additional functions")

– Release program
Determine the availability of individual programs for operation (see "Program access")

– Water hardness
Set the water hardness level (see "Water hardness" and "Water softener")

– Display view
Switch the display between the set and actual temperatures (see "Display view")

– Display
  Adjust the contrast and brightness of the display (see "Display")
– Switch off after
  Enable or disable the automatic switch-off function (see "Switch off after")
– Factory default
  Reset all parameters to the factory default settings (see "Restoring factory default settings")
– Software version
  Display the software version (see "Software version")

Additional settings

Menu structure

The factory defaults for the menu structure are shown.

Menu	1st submenu	2nd submenu	3rd submenu
1. Code	Release Change code	Additional settings Enter code	Yes ✓ Block
2. Log book	Consumption: Water Consumpt.:Cleaning agent Consumpt.: Rinsing aid Operating hours Wash programs Service interval		
3. Temperature unit	°C ✓ °F		
4. Move program	1. Short 2. Universal 3. Intensive etc.		
5. Additional functions	Reset Increased water level Interim rinse Dispensing system Temperature / Time	Yes No ✓ Yes No ✓ DOS 2 Rinsing aid DOS 1 DOS 4 Short Universal Intensive etc.	 Active Inactive DOS priming Concentration Change name Reset Main wash Final rinse
6. Release program	All ✓ Selection	 ☑ Short ☑ Universal etc. Apply	
7. Water hardness			

Menu	1st submenu	2nd submenu	3rd submenu
8. Display view	Actual temperature Required temperature ✓		
9. Display	Contrast Brightness	Contrast Set Brightness Set	
10. Switch off after	Yes ✓ No	Set the time	
11. Factory default	Reset	No✓ Program settings only All settings	
12. Software version	EB Id: XXXX EGL Id: XXXX EZL Id: XXXX EFU Id: XXXX		

CODE

A PIN code can be used to prevent unauthorized access to various functions and system settings on the dishwasher.

- Select the Additional settings menu.
- Select Code and open the corresponding menu by pressing the *OK* button.

– Release
Restrict access to the Additional settings menu to users with administrator rights only, or allow access to all users.

– Change code
Set a new PIN code.

Access

- Select the Release option and confirm your choice with the *OK* button.
- Select Additional settings and confirm your selection with the *OK* button.

The following settings are available:

– Yes
The menu is available to all users.

– Block
Access to the menu is only possible with a PIN code.

A checkmark ✓ indicates the current setting.

- Select the appropriate option and confirm your selection with the *OK* button.

Changing the PIN code

- Select the Change code option and confirm your choice with the *OK* button.
- First enter the current PIN code (see "Enter code").
- Then enter your new PIN code.
- Save the new PIN code by confirming the last digit.

Entering the PIN code

If you have selected the Block option in the Release menu, or if access to the Additional settings menu is already protected by a PIN code, you must enter a PIN code.
Settings within the Additional settings menu can then only be changed by users with system administrator rights.

The factory default setting for the PIN code is 8 0 0 0 if access to the Additional settings is blocked.

The following PIN-entry screen will appear in the display, for example:

- Use the ∧ and ∨ arrow buttons to enter the numerical values, and confirm each entry with the *OK* button.

If the *OK* button is pressed, the cursor automatically moves to the next available input field.

Each entered digit is replaced by an asterisk (*).

The protected settings are unlocked once all digits have been correctly entered.

If an incorrect PIN code is entered, the following message will appear in the display:

- Press the *OK* button to acknowledge the message.

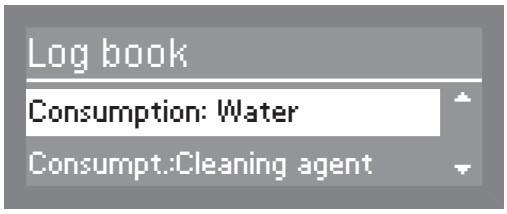
The display will then revert to the input menu.

Log book

The dishwasher controls record the consumption levels for water, detergent and rinse aid. They also calculate the number of hours the dishwasher has been in operation, the number of programs that have been run, and the required service intervals.

- Select the Additional settings menu.
- Select Log book and open the corresponding menu by pressing the *OK* button.

The following options are available:



– Consumption: Water
Display the total amount of water used in liters.

– Consumpt.:Cleaning agent
Display the total amount of detergent used in liters (only for dishwashers using a DOS module).

– Consumpt.: Rinsing aid
Display the total amount of rinse aid used in liters

– Operating hours
Display the total number of operating hours.

– Wash programs
Display the total number of program cycles.

– Service interval
Display the next date for required service.

- Select the desired option and confirm your choice with the *OK* button.

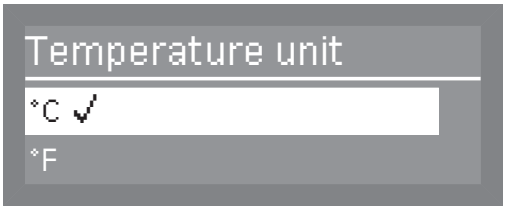
A number will then be displayed.

You can switch the display to the next higher menu by pressing the *OK* button.

Temperature unit

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

- Select the Additional settings menu.
- Select Temperature unit and confirm your choice with the*OK* button.



– °C
The temperature is displayed in degrees Celsius

– °F
The temperature is displayed in degrees Fahrenheit

- Use the ∧ and ∨ arrow buttons to select the desired option, and confirm your choice with the *OK* button.

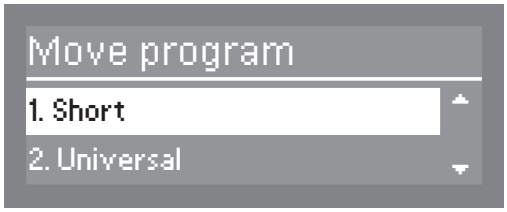
Move program

You can change the order of the programs and therefore also the allocation of the shortcut buttons.
You can move the programs you use most frequently to program places 1-3. These are then automatically allocated to the shortcut buttons.

- Select the Additional settings menu.
- Select Move program and confirm the entry with the *OK* button.

Shortcut buttons

Programs are displayed in their current order.



- Use the ∧ and ∨ buttons to select a program from the list that you wish to move, and then confirm your choice with the *OK* button.

The program you select will be marked with a tick ✓.

- Use the ∧ and ∨ buttons to select the position you want to move it to and confirm your choice with the *OK* button.

Moving a program forwards moves the programs after it down a position.
Moving a program to the end of the list moves the programs in front of it up a position.

Additional functions

With these functions, it is possible to adjust individual parameters to adapt program cycles to particular types of soiling and optimize cleaning results.

- Select the Additional settings menu.
- Select Additional functions and open the corresponding menu by pressing the *OK* button.

In the menu that then appears, you can choose from the following options:

– Reset
Reset all of the parameters changed under the "Additional functions" menu to their default settings.

– Increased water level
Increase the amount of water used in all wash programs.

– Interim rinse
Include an interim rinse in all programs that support this feature (see "Program chart").

– Dispensing system
Vent the dispensing systems and change the name of the DOS modules.

– Temperature / Time
Change the temperature and holding time for the main wash and final rinse stages of a wash program.

Resetting

- Select the Reset option and confirm your choice with the *OK* button.

- Select Yes and confirm your selection with the *OK* button.

All parameters that have been changed under "Additional functions" will be reset to the factory default setting.

Increased amount of water

■ Select the Increased water level option and confirm your choice with the *OK* button.

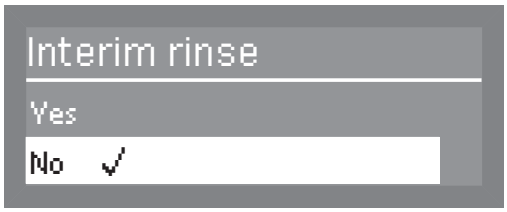
The amount of water used is indicated in liters and can be increased by up to 1.5 l in 0.5-liter increments.

■ Use the arrow buttons ∧ (higher) and ∨ (lower) to select the desired amount of water, and confirm your selection with the *OK* button.

Interim rinse

■ Select the Interim rinse option and confirm your choice with the *OK* button.

The following options are available:



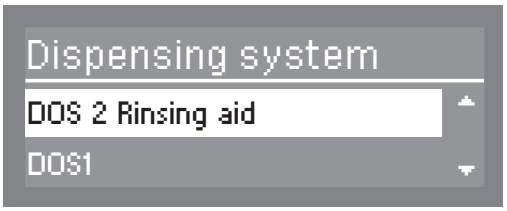
– Yes
The additional interim rinse is active.

– No
The additional interim rinse is inactive.

■ Select the desired option and confirm your selection with the *OK* button.

DOS dispensing systems

■ Select the Dispensing system option and confirm your choice with the *OK* button.



■ Select the desired dispensing system and confirm your choice with the *OK* button.

The following settings are available:

– Active
The dispensing system is active.

– Inactive
The dispensing system is inactive.

– DOS priming
Venting of the dispensing system to ensure reliable dispensing.

– Concentration
The concentration of detergent and/or rinse aid can be modified as needed.

– Change name
The name of the dispensing system can be changed.

With DOS 2 Rinsing aid, the only option displayed is Concentration.

The menu options DOS priming, Concentration and Change name are only visible if Active is selected.

DOS venting

⚠ To avoid damage to the dispensing system, make sure before venting that the detergent and rinse aid containers are adequately filled and that the dispensing siphons are screwed securely to the containers.

■ Select DOS priming and confirm your selection with the *OK* button.

The dishwasher will then begin automatically venting the dispensing system.
Dispensing system DOS priming will appear in the display.

Once this process is complete, Dispensing system successfully primed will appear in the display.

■ Press the *OK* button to acknowledge the message.

Setting the DOS concentration level

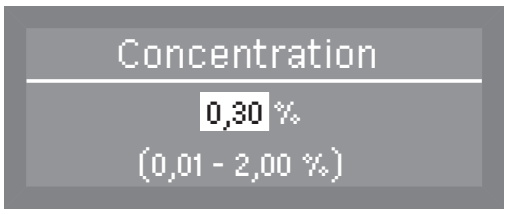
Please observe dispensing recommendations made by the manufacturer of the agent.

■ Select Concentration and confirm your choice with the *OK* button.

Concentration levels are given as a percentage and can be set between 0.01 and 2.00%.

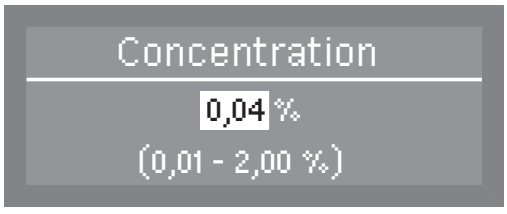
The concentration level set then applies to all programs.

Display for DOS1:



If a DOS G 60 module is connected to the dishwasher, the factory set concentration level set must be reduced by half.

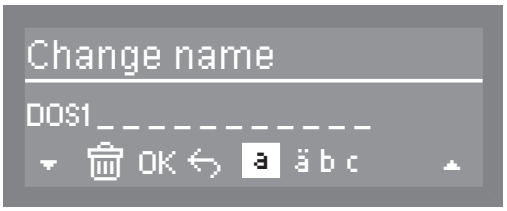
Display for DOS2 rinse aid and DOS4:



■ Use the arrow buttons ∧ (higher) ∨ (lower) to set the concentration level you want and confirm your choice with the *OK* button.

Changing a DOS name

■ Select Change name and confirm your entry with the *OK* button.



The current name is shown on the second line of the display. This can be changed using the options shown in the bottom line.
DOS is a set part of the name and cannot be changed.
The top line shows which option has been selected.

■ Use the arrow buttons ∧ (move left) and ∨ (move right) to move the cursor to the desired option.

■ Confirm each option individually with the *OK* button.

The following options are available:

– Letters from A - Z;
each new word will start with a capital letter.

– Numbers from 0 - 9

– Space characters

– Use the 🗑 symbol to delete the last position in the name displayed.

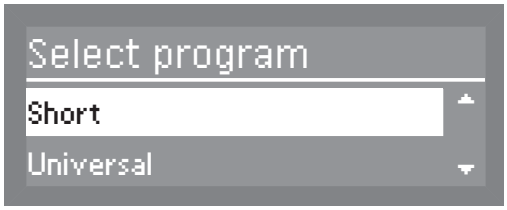
– Select OK to save the name.

– If you do not want to save the name you have entered, press the ⮌ symbol.

Temperature / Time

The temperature and holding time for the main wash and final rinse phases can be changed in some programs (see "Program chart").

- Select Temperature / Time and confirm your choice with the *OK* button.



The following options are available:

– Reset
This resets any values changed in the selected program to their factory default settings.

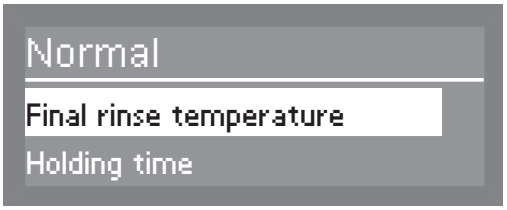
– Main wash
Used to adjust the temperature and holding time for the main wash phase.

– Final rinse
Option to change the temperature and holding time for the final rinse phase.

Main wash / Final rinse

The procedure for altering settings in Main wash and Final rinse is the same. The display also looks similar.

■ Select the Main wash or Final rinse option and confirm your choice with the *OK* button.



■ Select the desired wash program and confirm your selection with the *OK* button.

The following settings are available:

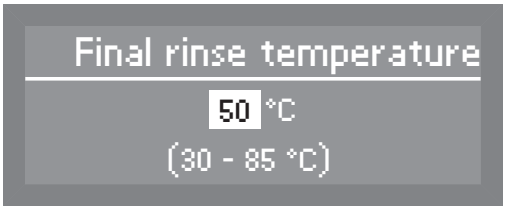
– Temperature / Final rinse temp.
The temperature for the main wash or final rinse phase can be changed.

– Holding time
The temperature holding time can be changed.

Final rinse temperature

■ Select Temperature or Final rinse temp. and confirm your choice with the *OK* button.

The temperature for the main wash or final rinse phase can be changed between 30 and 85 °C (86 to 185 °F) in 1 °C increments.



■ Use the arrow buttons ∧ (higher) ∨ (lower) to set the desired temperature, and confirm your selection with the *OK* button.

Holding time

■ Select Holding time and confirm your choice with the *OK* button.

The holding time is displayed in minutes and can be changed to between 0 and 10 minutes in 1-minute increments.

■ Use the arrow buttons ∧ (higher) ∨ (lower) to set the holding time you want and confirm your choice with the *OK* button.

Program access

Individual programs can be locked so that they cannot be used.
In the factory default setting, all programs are unlocked for use.

■ Select the Additional settings menu.

■ Select Release program and press *OK* to open the corresponding menu.

The following settings are available:

– All
All programs are unlocked for use.

– Selection
Selection option for determining which individual programs are to be locked.

Locking programs to prevent use

■ Select Selection and confirm your choice with the *OK* button.

■ Select the programs that you wish to lock and press the *OK* button.

The checkmark ✓ will be removed from the box ☐ and the program will then be locked and unavailable for use.

■ To save your selection, select Accept at the bottom of the program list and confirm your choice with the *OK* button.

If programs are locked for use, Selection ✓ will be selected the next time the "Program unlock" menu is accessed.

Water hardness

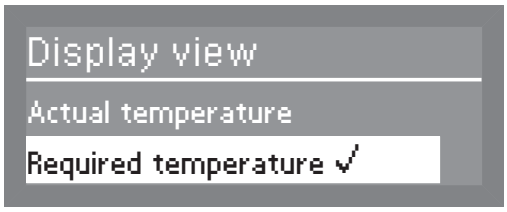
Using this menu, you can program the water softener to match the hardness of the water supplied.

Detailed information is available under "Filling the salt compartment".

Display view

During a program, the actual or set temperature can be shown in the second line of the display.

■ Select the Additional settings menu.



■ Select Display view and open the corresponding menu by pressing the *OK* button.

The following settings are available:

– Actual temperature
Displays the actual temperature during a program (this value will vary over the course of the program).

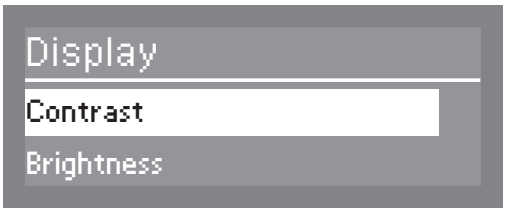
– Required temperature
Display the set temperature for the main wash or the final rinse phase.
(The maximum value is displayed as a static value. It will change from one program stage to the next).

■ Select the desired option and confirm your choice with the *OK* button.

Display

The Display menu can be used to alter the contrast and brightness of the display.

■ Select the Additional settings menu.



■ Select Display and open the corresponding menu by pressing the *OK* button.

The following settings are available:

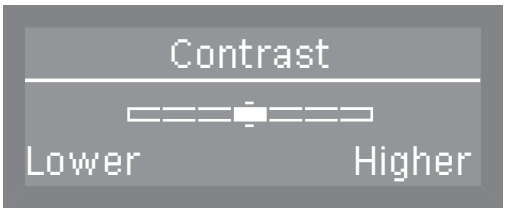
– Contrast
Set the contrast.

– Brightness
Set the brightness.

Contrast

■ Select the Contrast and confirm your choice with the *OK* button.

The contrast range is shown as a bar in the display.



■ Use the arrow buttons ∧ (higher) ∨ (lower) to set the desired contrast and confirm your choice with the *OK* button.

Brightness

■ Select the Brightness and confirm your choice with the *OK* button.

The brightness range is shown as a bar in the display.

■ Use the arrow buttons ∧ (lighter) ∨ (darker) to set the desired brightness and confirm your choice with the *OK* button.

Switch off after

When not in use the dishwasher can be switched off to save energy or be activated for use by selecting an option from the Settings, Time of day, Display menu.
The clock display will be visible when it is ready for use.

- Select the Additional settings menu.
- Select Switch off after and open the corresponding menu by pressing the *OK* button.

The following options are available:

– Yes
The "Switch off after" option is active and you can specify a time period after which the appliance switches off.

– No
The "Switch off after" option is not active.

Setting the Switch-off time

- Select the Yes option and confirm your choice with the *OK* button.

In the factory default setting, the switch-off time is set to 60 minutes. It can be adjusted to between 5 and 60 minutes in 5-minute increments.

- Use the arrow buttons ∧ (higher) ∨ (lower) to set the Switch-off time, and confirm your entry with the *OK* button.

Factory default setting

The factory default setting can be used to reset all changed parameters in the dishwasher back to their default settings or just values that have been changed for programs.

■ Select the Additional settings menu.

■ Select Factory default and open the corresponding menu by pressing the *OK* button.

The following options are available:

– No
Altered parameters will not be reset to their default settings.

– Program settings only
Only settings that have been altered in programs will be reset to their factory defaults.

– All settings
All parameters that have been altered on the dishwasher will be reset to their default settings.

■ Select the desired option and confirm your selection with the *OK* button.

Selecting Program settings only or All settings restarts the dishwasher. After it has restarted, you will be prompted to re-enter basic parameters such as the language, date, time, water hardness etc.

■ Enter the parameters displayed such as language, date, time etc.

Your selection will then be saved and the last program used will then appear in the display.

Software version

Displays the versions of the individual software components.

- Select the Additional settings menu.
- Select Software version and open the corresponding menu by pressing the *OK* button.

The software for the individual components is displayed. XXXX denotes the version.

– EB Id: XXXX
Software version for the control and display unit.

– EGL Id: XXXX
Software version for the control board.

– EZL Id: XXXX
Software version for the relay board.

– EFU Id: XXXX
Software version for the frequency converter.

Modifications and updates to the software may only be carried out by an authorized Miele service technician.

Maintenance

In order to increase the dishwasher's service life, the machine should be served by an authorized Miele service technician **after every 1000 hours of operation or at least once a year**.

This service work covers the following points:

– Electrical safety check

– Door mechanism and door seal

– Screw connectors and connections in the wash cabinet

– Water intake and drainage

– Internal and external dispensing systems

– Spray arms

– Filter combination

– Collecting basin with drain pump and non-return valve

– All baskets and inserts

As part of the service package, the following functional checks are performed:

– Test run of a program cycle

– Thermoelectric measurement

– Leak test

– Check of all safety-relevant measuring systems (indication of fault status)

– Safety features check

⚠ Remove any soiling from the control panel and from the front of the appliance straight away.
Otherwise the surfaces can become discolored or changed.

⚠ All surfaces are susceptible to scratches.
Contact with unsuitable detergents can alter or discolor the external surfaces.

Cleaning the control panel

- Clean the control panel with a clean sponge and a solution of dishwashing liquid and hot water or with a clean damp microfiber cloth. Dry the control panel with a soft cloth afterwards.

⚠ Do not use abrasive detergents!
These can damage the control panel.

Cleaning the front of the dishwasher

- To clean the stainless steel front panel, use a damp cloth with either a solution of liquid dish soap and hot water or a non-abrasive cleaning agent suitable for use on stainless steel.

To keep the front panel from getting dirty again (fingerprints, etc.), a stainless steel conditioner can be used after cleaning (e.g., Neoblank, available from Miele Service).

⚠ Do not use cleaning agents containing ammonium chloride or thinners!
These agents can damage the surface material.

⚠ When cleaning, do not hose down the dishwasher or its direct vicinity, e.g. with a water hose or pressure washer.

Cleaning the wash cabinet

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

If, despite this, lime scale or grease deposits accumulate in the cabinet, these can be removed with a proprietary dishwasher cleaner (available from Miele).

Cleaning the door and the door seal

- Wipe the door seal and the area beneath the door regularly with a damp cloth to remove food deposits.
- Wipe away any spillages of food and beverages from the sides of the dishwasher and from the hinges.
- With freestanding dishwashers that have a base facing, please remove spillages of food and beverages from the channel that runs below the door.

⚠ Be cautious of sharp edges when cleaning.
Danger of cutting yourself.

These surfaces are outside the wash cabinet and are not accessed by water from the spray arms. If soiling is not removed, mold can develop.

Cleaning the filters in the wash cabinet

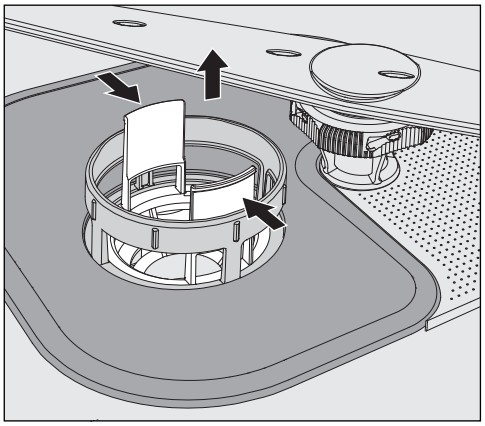
The filter combination in the base of the wash cabinet retains coarse soil from the suds solution, preventing it accessing the circulation system and causing blockages in the spray arms.

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

The filters must be checked regularly and cleaned when necessary.

⚠ Caution!
Danger of injury on glass splinters.

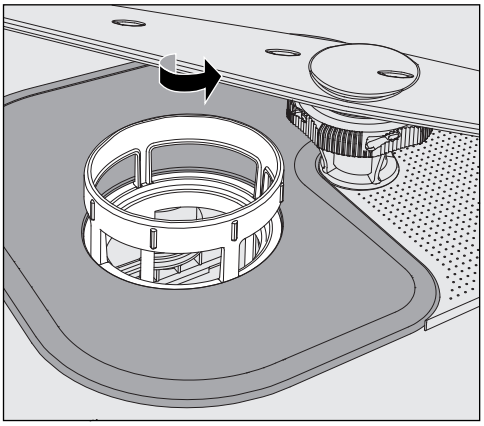
Cleaning the coarse filter



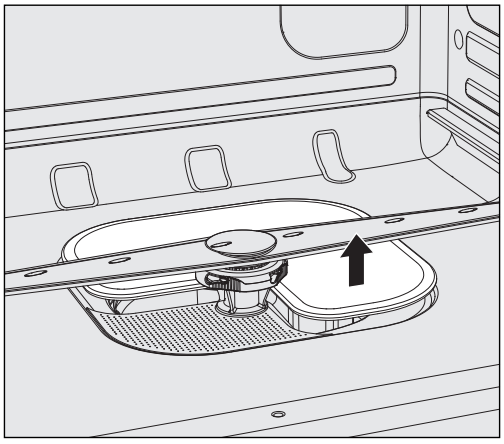
- Press the catches towards each other and remove the coarse filter.
- Rinse the filter thoroughly under running water. If necessary use a soft brush to remove soiling.
- Replace the filter making sure it engages correctly.

Cleaning the flat and micro-fine filters

- Remove the coarse filter.



- Grasp the micro-fine filter by the upper rim and turn it in the direction of the arrow to release it.
  Then lift it out.



- Remove the flat filter.
- Rinse the filters thoroughly under running water. If necessary use a soft brush to remove soiling.

Replace the filter combination in the reverse order, turning the micro-fine filter to the left to re-engage it.
The flat filter must lie flat in the bottom of the wash cabinet.

The spray arms will get blocked if the filters are not replaced correctly.

Cleaning the spray arms

This dishwasher has three different spray arms.

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

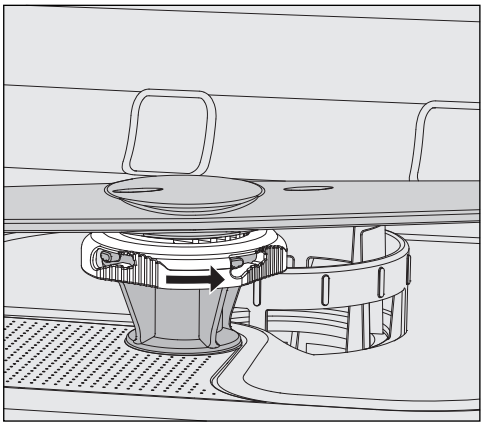
- Turn the dishwasher off.
- Pull the **upper spray arm** downwards to remove it.

The middle and bottom spray arms are secured with a bayonet fitting.

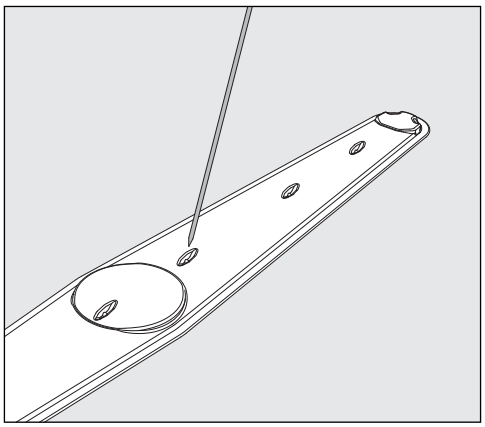
The bayonet fitting on the lower spray arm is colored yellow so that it cannot be mistaken for the fitting on the middle spray arm.

To release the bayonet fitting proceed as follows:

- Using the knurled nut turn the **middle spray arm** to the left as far as it will go and then pull the spray arm downwards to remove it.
- Remove the lower basket.



- Using the knurled nut turn the **lower spray arm** to the right as far as it will go and then pull the spray arm upwards to remove it.



- Use a pointed object to push food particles that are stuck in the spray arm jets into the spray arm.
- Rinse the spray arms thoroughly under running water.

Replace the spray arms and check that they rotate freely.

Make sure that the spray arm with the yellow bayonet fitting is fitted in the bottom of the wash cabinet.

With the help of the following guide, minor faults in the performance of the appliance, some of which may result from incorrect operation, can be corrected without contacting the Service Department.

⚠ Repairs must only be carried out by a Miele technician or a Miele-authorized service agent in accordance with local and national safety regulations. Unauthorized or incorrect repairs and other work by unqualified persons could be dangerous.

Faults with water intake or drainage

Problem	Possible cause and solution
The display remains dark and the "Start/Stop" light does not flash after the dishwasher was turned on using the ⏻ button.	The dishwasher is not plugged in. ■ Insert the plug.
	The circuit breaker was tripped. ■ Activate the fuse (see data plate for minimum fuse rating).
The dishwasher stops during a program.	The circuit breaker has tripped. ■ Reset the circuit breaker (see data plate for the correct fuse rating). ■ If the circuit breaker trips again, contact Miele Customer Service.
Power outage during operation	If a temporary power outage occurs during a program sequence, no measures are required. The program which was running continues without interruption. If the temperature in the wash chamber drops below the minimum value required for the program block during the power outage, the program block is repeated. In case of a power outage of ≥ 20 hours, the entire program is repeated.
One of the following fault messages is displayed:	Before remedying the fault: ■ Turn the dishwasher off using the ⏻ button.
Check water intake	There is a problem with the water intake. ■ Open the faucet all the way. ■ Clean the filter in the water inlet (see "Cleaning and care").
Fault 403-405	If Check water intake has appeared in the display, the controls will check the water intake every 30 seconds. If no water has entered the dishwasher after three attempts, one of these fault numbers appears in the display and the program will be canceled. ■ Open the water supply valve all the way. ■ Turn the dishwasher back on. ■ Select the desired program. ■ Press the *Start/Stop* button.

Problem	Possible cause and solution
Fault 406-408	Water inlet fault. One of these numbers will appear in the display if the flow pressure is too low and the program will be cancelled. ■ The flow pressure at the water intake point is too low (see "Technical data"). Contact Miele Service for advice.
Fault 412-414	Water inlet fault. One of these numbers will appear in the display if the flow pressure is too high and the program will be cancelled. ■ The flow pressure at the water intake point is too high (see "Technical data"). Contact Miele Service for advice.
Check drainage	The water outlet is restricted. There might be water in the wash cabinet. ■ Clean the filter combination (see "Cleaning and care"). ■ Clean the drain pump (see "Frequently asked questions"). ■ Clean the non-return valve (see "Frequently asked questions"). ■ Remove any kink or loop in the drain hose.
Fault 433	The door was obstructed when closing and cannot be drawn into the final closed position. ■ Remove the obstruction from the vicinity of the door.
Fault 438	Heavy objects positioned in front of the dishwasher prevent the Comfort Door Lock from automatically opening the door. ■ Do not place any (heavy) objects in front of the dishwasher door.
Fault 492, 504, 541	Fault during program start. There may still be water in the wash cabinet. ■ Clean the filter combination (see "Cleaning and care"). ■ Clean the non-return valve (see "Frequently asked questions").
Fault 550	The Waterproof system was activated. ■ Close the water supply valve. ■ Contact Miele Service.
Fault 578	The peak-load cut-out has lasted longer than 3 hours. ■ Have your electrical system and your energy management system tested by a suitably qualified person.

Problem	Possible cause and solution
Fault XXX **(XXX stands for a number)**	A malfunction may have occurred. After waiting 10 seconds: ■ Turn the dishwasher back on. ■ Select the desired program. ■ Press the *Start*/*Stop* button. If the fault message is displayed again, there has been a malfunction. ■ Contact Miele Service.

Door

Problem	Possible cause and solution
The door opens again after being closed	If the door is closed with too much force, the Comfort Door Lock will open it again. ■ Guide the door into the door lock with less force.
Door blocked	Protruding items are blocking the door. ■ Arrange the wash load so that no items project into the door area. ■ Close the door.
	The Comfort Door Lock is jammed. ■ Carefully attempt (without force) to pull the door open by the door handle. If the door is still jammed: ■ Open the door using the emergency release. ■ Close the door and attempt to open it again using the ⊶ button. If the door remains jammed: ■ Contact Miele Service.
Warning! Cabinet hot. Open anyway?	When the ⊶ button is pressed, the temperature in the wash cabinet is over 158°F (70°C). ⚠ When the door is opened, hot steam and process chemicals can escape! ■ Open the door only when necessary.
The door is open a fraction and cannot be closed using the ⊶ button.	This is not a fault. The Comfort door lock has opened the door slightly at the end of the program. ■ Open the door. The door can now be closed completely again using the ⊶ button.
Obstruction sensor	This is not a fault! The door is engaged in the catch while the locking mechanism moves back into its closed position. ■ Open the door and wait until the locking mechanism reaches its final closed position.

Unusual behavior of the dishwasher

Problem	Possible cause and solution
The dishwasher fails to react when buttons are pressed. The display and indicator lights remain dark.	The dishwasher has turned itself off after the set Switch-off time to save energy. ■ Press the ⏻ button to turn the dishwasher on again.
The following fault message is appears in the display: Salt container lid not closed correctly	The salt reservoir cover is not properly closed. ■ Close the salt reservoir cover.
The dispenser cover 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.
There is still water in the wash cabinet at the end of the program.	Before remedying the fault: ■ Turn the dishwasher off using the ⏻ button.
	The filter combination in the wash cabinet is clogged. ■ Clean the filter combination (see "Cleaning and care").
	The drain pump or non-return valve is blocked. ■ Clean the drain pump or the non-return valve (see "Frequently asked questions").
	The drain hose is kinked. ■ Remove the kink.
	The on-site drain trap is clogged. ■ Check and clean the drain trap.
Peak load cut-out	This is not a fault! Your energy management system has detected a peak-load in the energy supply. Some components in the dishwasher stop operating for the duration of the peak-load cut-out.

Frequently asked questions

Noises

Problem	Possible cause and solution
There is a knocking noise in the wash cabinet.	A spray arm is hitting the dishware. ■ Interrupt the program, and rearrange the items which are obstructing the spray arm.
There is a rattling noise in the wash cabinet.	Dishware is moving around in the wash cabinet. ■ Interrupt the program and rearrange loose pieces.
	A foreign object (e.g. a cherry pit) has become lodged in the drain pump. ■ Remove the foreign object from the drain pump (see "Cleaning the drain pump and non-return valve").
There is a knocking noise from the water pipe	This may be caused by the installation or the diameter of the water pipe. This has no effect on the functioning of the dishwasher. ■ If in doubt, contact a plumber.

Poor cleaning results

Problem	Possible cause and solution
The dishes are not clean.	The dishes were not loaded correctly. ■ Please observe the instructions in "Loading the dishwasher".
	The program was not suitable for the requirements. ■ Select a more suitable program (see "Program guide)".
	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 system in the base of the wash cabinet is not clean or is not correctly fitted. This may cause 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").
	The non-return valve is open and blocked. Dirty water has flowed back into the wash chamber. ■ Clean the drain pump and the non-return valve (see "Frequently asked questions").
	If necessary, alter the temperature and / or the holding time for the program being used. ■ Change the relevant parameters for the program. (see "Additional settings, Additional functions")
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 "Additional settings, Additional functions, Dispensing systems").
Dishware is not dry or cutlery and glasses are spotty.	The rinse aid dosage is set too low or the rinse aid reservoir is empty. ■ Replenish the rinse aid, increase the dosage or change the brand of rinse aid used (see "Adding rinse aid").

Frequently asked questions

Problem	Possible cause and solution
White residue is visible on the dishware. Clouding occurs on glassware and cutlery; the deposit can be wiped off.	The rinse aid dosage is too low. ■ Increase the quantity dispensed (see "Additional settings, Additional functions, Dispensing system").
	The salt reservoir is empty. ■ Fill the reactivation salt reservoir (see "Filling the salt reservoir").
	The water softener is programmed to too low for the water hardness level. ■ Program the water softener assembly to the correct value (see "Additional settings, Water hardness").
Glasses have a brownish-blue discoloration; the deposit cannot be wiped off.	Detergent deposits. ■ Switch to another detergent right away.
Glasses are dull and discolored; the deposit cannot be wiped off.	The glassware is not dishwasher-safe. The surfaces are affected. ■ Purchase glassware which is dishwasher-safe.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected program was too low. ■ Select a program with a higher wash temperature.
	The bleaching effect of the detergent is too low. ■ Switch to another detergent.
Plastic parts are discolored.	Natural dyes e.g. from carrots, tomatoes or ketchup may be the cause. The amount of detergent used or its bleaching effect was not sufficient to deal with natural dyes. ■ Use more detergent (see "Operation, Adding detergent"). Discolored plastic items will not regain their original color.
There are rust stains on the cutlery.	The "Cold" program was not run after dishwasher salt was added. Traces of salt have gotten into the wash cycle. ■ Always run the "Cold" program without a load after refilling salt.
	The affected items are not corrosion resistant. Purchase cutlery which is dishwasher-proof.

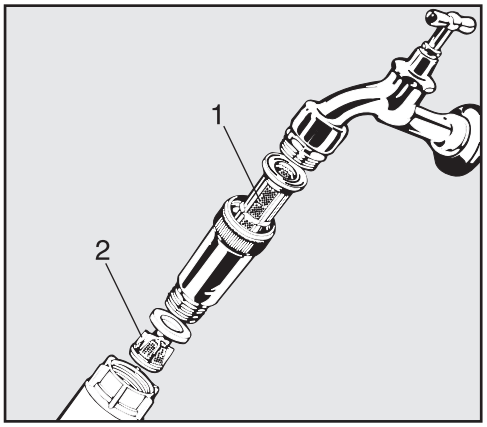
Cleaning the filters in the water inlet

Filters are incorporated into the water inlet connection on the hose to protect the water inlet valve. If these filters get dirty they must be cleaned as otherwise too little water will flow into the wash cabinet.

⚠ The plastic housing on the water inlet valve contains an electrical component. It must not be dipped in water.

To clean the filter

- Disconnect the dishwasher from the water supply and the electrical supply (turn the dishwasher off, unplug it or disconnect or disable the fuse).
- Close the faucet.
- Unscrew the water inlet valve.

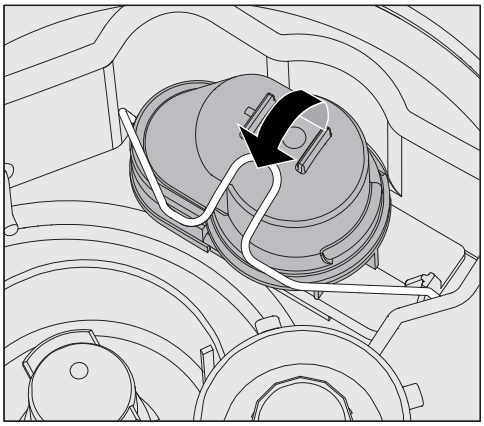


- Carefully pull out the large surface area filter 1.
- Take the seal ring out of the screw connection.
- Withdraw fine filter 2 using pointed pliers.
- Clean the filters or replace them with new ones if necessary.
- Replace the filters and seals, making sure they are sitting correctly.
- Reconnect the hose to the water faucet, making sure the thread goes on straight and not cross-threaded.
- Turn on the water faucet gradually to test for leaks.
  If there is a leak, the inlet hose might not be secured properly, or it may have been screwed on at an angle. Unscrew and reconnect the water inlet hose correctly before tightening it.

Cleaning the drain pump and non-return valve

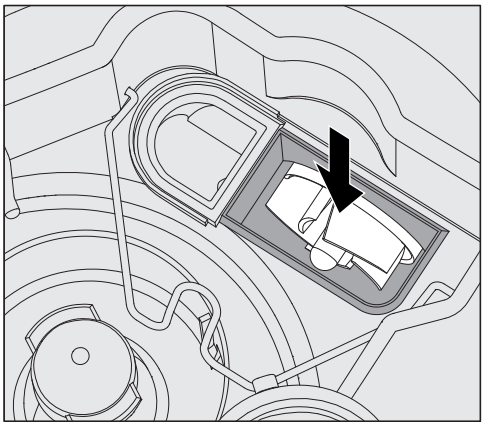
If water has not pumped out at the end of a program, there may be a foreign object in the drain pump or blocking the non-return valve. These are easy to remove.

- Disconnect the dishwasher from the water supply and the electrical supply (turn the dishwasher off, unplug it or disconnect or disable the fuse).
- Take the filter combination out of the wash cabinet (see "Cleaning and care").



- Lift the locking clamp.
- Lift out the non-return valve and rinse well under running water.
- Make sure that the vent on the external part of the non-return valve is not blocked. (This vent is only visible when the non-return valve has been taken out of the dishwasher). If it is blocked, use a pointed object to release the blockage.

The drain pump is situated under the non-return valve (see arrow).



- Check the area around the drain pump for foreign objects (watch out for glass splinters which could cause injury) and remove them before replacing the non-return valve.
- Carefully replace the non-return valve and secure it with the clamp.

After sales service

If, despite following the instructions in this manual, you are unable to rectify a problem please contact one of the following, quoting the fault code shown in the display:

– your Miele dealer or

– the Miele Technical Service Department.

Contact details for the Miele Technical Service Department can be found at the back of this manual.

■ When contacting Miele, please quote the model number of your dishwasher together with the 8 digit machine number.

The model number and the machine number are both shown on the data plate, located at the top of the door.

Installation

⚠ 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 dishwasher must be installed in a secure and level position. Use the four feet to compensate for any unevenness in the floor and adjust the height of the machine.

If the dishwasher is to be installed next to other appliances and furniture or in a recess, an installation space measuring at least 23 5/8" wide and 23 5/8" deep (60 cm wide and 60 cm deep) is required.

Undercounter installation

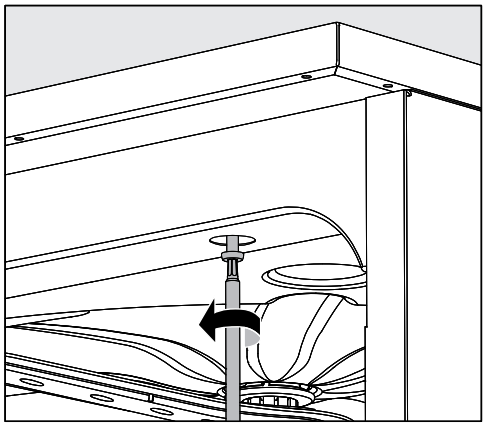
⚠ To ensure the stability of undercounter dishwashers, these units may only be installed beneath a continuous countertop that is bolted to adjacent cabinetry.

If the dishwasher is to be installed beneath a continuous countertop, an installation space measuring at least 23 5/8" wide, 23 5/8" deep and 32 1/4" high (60 cm wide, 60 cm deep, 82 cm high) is required.

When adjusting the dishwasher height, the feet must not be unscrewed by more than 2 1/4" (6 cm).

If the dishwasher is fitted with a lid, it can be removed as follows:

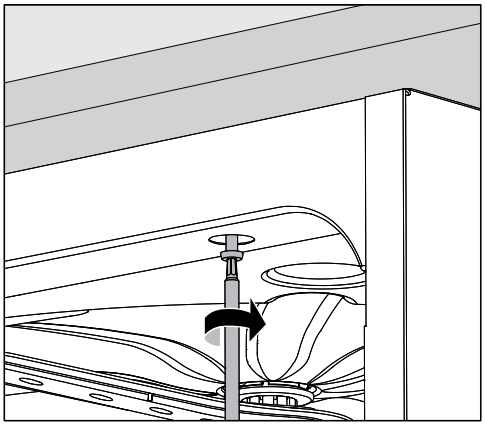
- Remove both securing screws on the back of the dishwasher with a screwdriver.
- Open the door.



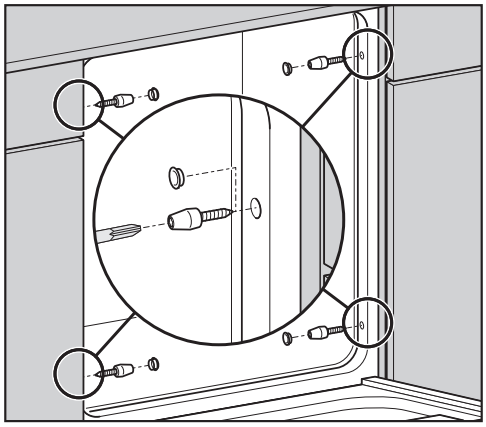
- Unscrew the left and right fastening screws with a screwdriver.
- Lift the appliance lid upwards to remove.

Leveling and securing the dishwasher

To ensure stability, the dishwasher must be secured to the counter once it has been leveled.



- After leveling, securely screw the dishwasher to the continuous countertop.
  With the door open, turn the screws into the countertop through the holes in the front trim on the left and right hand sides of the dishwasher.



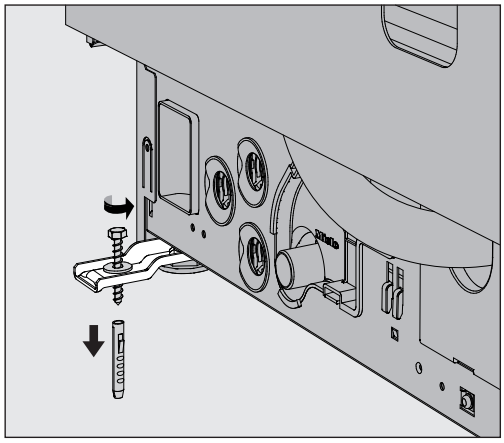
For countertops made of stainless steel or natural stone, the dishwasher must be secured to the adjacent cabinetry on the left and right hand sides using two screws per side.
Special screws (4 x 27 / Torx T20) are included in the accessories provided.
For this type of installation, holes must be drilled in the side wall in front of the door seal.

The gaps between undercounter dishwashers and adjacent cabinetry or appliances may not be filled with silicone sealant, since this could impair the ventilation of the circulation pump.

Depending on the specific undercounter installation situation, the stainless steel cover plate supplied with the dishwasher can be used to protect the underside of the countertop against damage caused by steam.

Floor anchors for free-standing units

During conversion to a free-standing unit, both rear appliance feet of the dishwasher must be secured against tipping using the floor anchors.



- Attach the floor anchors to the floor using the included fastening materials at the distance of both rear appliance feet.
- The fastening screws can be used in both wood floors and, with the help of dowels, concrete floors.
- Push the dishwasher into the provided floor anchor seats.

Moving the dishwasher

Before moving the dishwasher, screw in the adjustable feet fully so that they do not become damaged.

⚠ Do not use protruding parts, e.g. the control panel, to lift the dishwasher.
These parts could break off.

⚠ Only transport the dishwasher in its original packaging using a hand truck. For subsequent moves, the dishwasher must be placed on a continuous support base to avoid damage.

Electrical connection

⚠ All electrical work must be carried out by a suitably qualified electrician in accordance with local and national safety codes.

– 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 facilitates access, for example when the appliance is being repaired or serviced.

– If the dishwasher is hard-wired to the power supply, a main switch capable of disconnecting the dishwasher at all poles must be installed. This master switch must have a contact gap of at least 3 mm and also be lockable in the off-position.

– For increased safety, it is recommended that the machine be connected upstream to a ground fault circuit interrupter with a trip current of 30 mA (DIN VDE 0664).

– If necessary, an equalization of the potentials must be carried out.

– The power cord may only be replaced with an original Miele part.

– For technical data, see the data plate or the attached wiring diagram!

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

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

The **conversion diagram** and the **data plate** are supplied with the appliance.

Grounding connection

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

WARNING
THIS APPLIANCE MUST BE GROUNDED

Peak-load cut-out

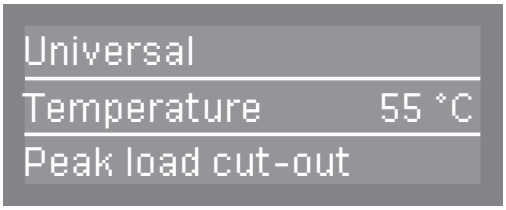
The dishwasher is suitable for use in an energy management system. To do so it has to be technically adapted and the controls reset by Miele service.

Please contact Miele Technical Service for further information.

Peak-load management

In the event of a peak-load some components in the dishwasher, such as the heater elements, will switch off for a while. The dishwasher will remain on during this period and the current program will not be interrupted. If one of the switched-off components is needed during the current program stage, the program duration will simply increase for the duration of the peak-load.

The third line of the display will alert you to the peak-load.



Connecting the water supply

⚠ The water in the dishwasher is NOT safe to drink!

Do not reuse removable hose attachments. Use the hose sets supplied with this dishwasher.

– The dishwasher's connection to the water supply system must be in compliance with local code.

– The water quality should satisfy local drinking water requirements. A high iron content can lead 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 areas), the typical water composition can cause precipitates to form, which in turn requires the use of softened water for the dishwasher.

– A device for preventing the return flow of water is not necessary, as this dishwasher conforms to the applicable standards for the protection of drinking water.

– The water pressure (flow pressure) must be equal to an overpressure of at least 29 psi / 200 kPa (100 kPa = 1 bar). If the water pressure (flow pressure) is less than 29 psi / 200 kPa, the water intake time will automatically be extended. The maximum allowable static pressure is 145 psi / 1000 kPa (overpressure). If the water pressure lies outside the range of 29 psi - 145 psi (200 kPa - 1000 kPa), please contact Miele Service for instructions on how to proceed.

– The standard version of this dishwasher is intended for connection to the cold (blue marking) **and** hot (red marking) water supply with a temperature of up to 149 °F (65 °C). Connect the intake hoses to the shutoff valves for the cold and hot water supply.

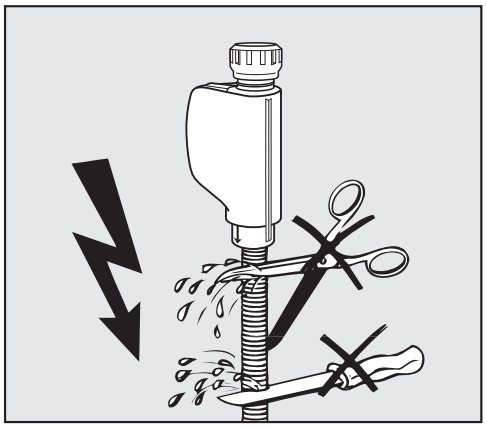
– If no hot water supply is available, the intake hose with the **red** marking must also be connected to the cold water supply.

– Connect the intake hose for the steam condenser (without a water protection device) to a cold water shutoff valve.

– An on-site shutoff valve with a 3/4" screw connection is required to connect the dishwasher to the water supply. The valve should be easily accessible, since the water supply should be shut off whenever the dishwasher is not in use.

– The intake hose is an approx. 67" (1.7-m) long DN 10 pressure hose with a 3/4" screw connection. A 59" (1.5 m) flexible metal hose (test pressure: 140 bar) is available as an extension. Do not remove the filter from the screw connection.

– Install the large-surface filter (included with the accessories) between the shutoff valve and intake hose.
(See "Frequently asked questions, Cleaning filters in water intake" for illustration).



⚠ Do **NOT** shorten or otherwise damage the inlet hoses (see diagram).

Also refer to the supplied installation diagram!

Connection to the drainage system

– The dishwasher drain contains a built-in non-return valve which prevents dirty water from flowing back into the dishwasher via the drain hose.

– Ideally, the dishwasher should be connected to a **separate** on-site drainage system. If a separate connection is not available, we recommend connecting the dishwasher to a dual-chamber trap. The on-site connection must be positioned between 12" and 40" (0.3 m and 1 m) above the bottom edge of the dishwasher. If the connection is lower than the minimum height, the drain hose must be bent to maintain a height of 12" (0.3 m).

– The dishwasher is equipped with a 59" (1.5-m) long flexible drain hose (clear width of 7/8" (22 mm)). Clamps for connecting the hose are included with the dishwasher.

– Do not shorten the drain hose! The hose can be extended by a connecting piece and an additional hose. The length of the drainage line may not exceed 13' (4 m).

– The drainage system must be able to handle a discharge rate of at least 4.2 g/min (16 l/min).

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

Please also refer to the accompanying installation diagram!

Height	32 5/16" (820 mm) adjustable + 2 1/4" (60 mm)
Height with cover	32 7/8" (835 mm) adjustable + 2 1/4" (60 mm)
Width	23 1/2" (598 mm)
Depth with door open	23 1/2" (600 mm) 47 1/4" (1200 mm)
Weight (net)	154 lbs (70 kg)
Voltage, rated load, fuse rating	See data plate
Power cord	Approx. 5' 6" (1.7 m)
Water temperature: Cold water connection Hot water connection	 Max. 68°F (20 °C) Max. 149°F (65 °C)
Static water pressure	Max. 145 psi (1000 kPa) overpressure
Recommended flow pressure: Cold and hot water connection Water connection for steam condenser	 29 psi (200 kPa) overpressure 14.5 psi (100 kPa) overpressure
Minimum flow pressure: Cold water connection Hot water connection	 14.5 psi (100 kPa) overpressure 5.8 psi (40 kPa) overpressure
Drain hose height	Min. 1' (0.3 m), max. 3' 3" (1.0 m)
Drain hose length	Max. 13' 1" (4.0 m)
Ambient temperature	40 - 104°F (5 - 40 °C)
Relative humidity Maximum Linearly decreasing to	 80% for temperatures up to 88°F (31 °C) 50% temperatures up to 104°F (40 °C)
Altitude above sea level	Up to 6,561 ft (2,000 m)*
Inlet hoses	Approx. 5' 7" (1.7 m)
Drain hose	Approx. 4' 9" (1.5 m)
Noise emission values Sound power in LwA Sound pressure in LpA	Undercounter installation with wooden trim in front of base, Short program 57 dB (A) 45 dB (A)
Certification marks	CSA approval, NSF
CE mark	Machinery directive 2006/42/EC
Manufacturer's address	Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany

* For installation at altitudes above 6,561 ft (2,000 m), the boiling point of the wash water will be lower. In this case, the dishwasher must be modified by Miele Service.

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

Miele
PROFESSIONAL

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