


Operating instructions Commercial dishwasher PG 8060





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

en-GB

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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 damage to property.

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

Notes

Information of particular importance that must be observed is highlighted in a thick framed box.

Additional information and comments

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

Operating steps

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

Operating steps are indicated by a black square bullet point.

Example:

■ Open the door of the commercial dishwasher.

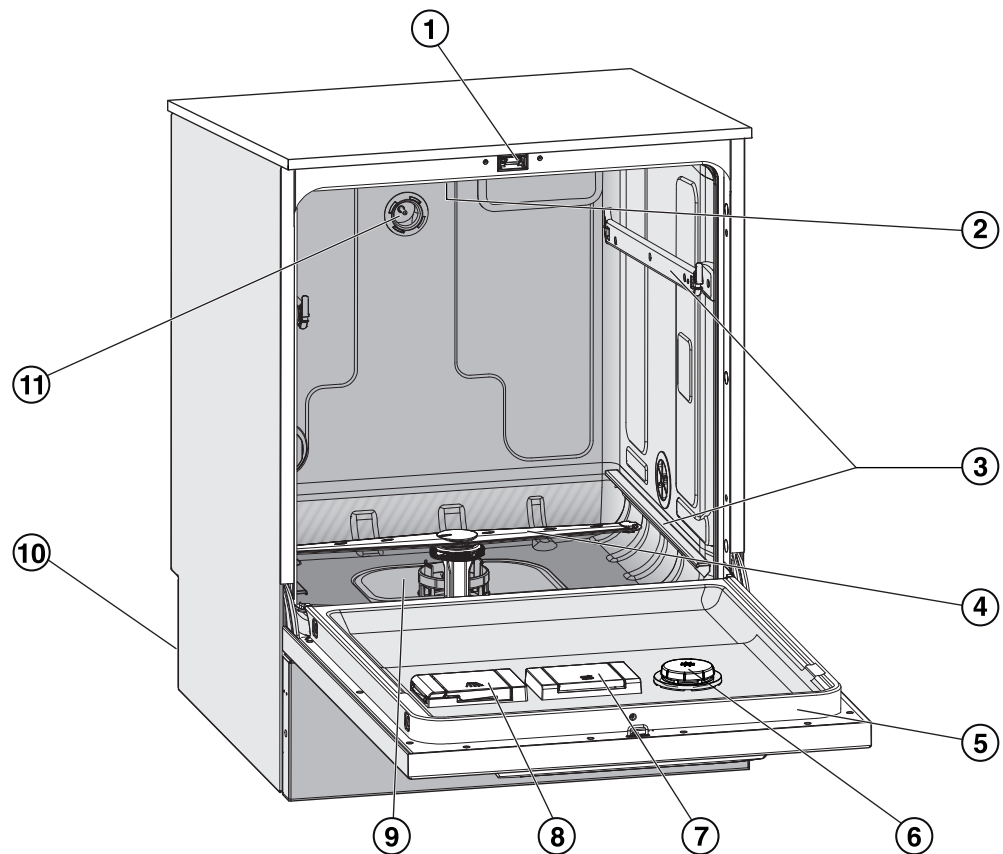
Display

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

Example:

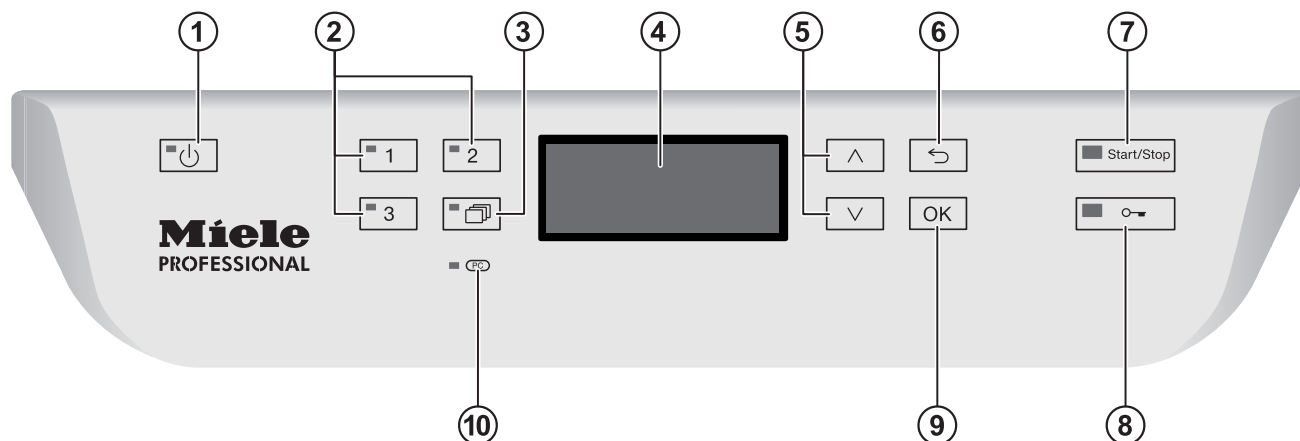
Select Delay start and confirm your choice with the *OK* button.

Overview



- ① Door lock
- ② Upper spray arm (not visible)
- ③ Runner for upper and lower baskets
- ④ Lower spray arm
- ⑤ Data plate
- ⑥ Rinsing agent reservoir
- ⑦ Salt reservoir
- ⑧ Dispenser for powder cleaning agent
- ⑨ Filter combination
- ⑩ Back:
 - Connection for DOS-Module
 - External dispensing pump for liquid cleaning agent (DOS1)
 - External dispensing pump for rinsing agent (DOS4)
- ⑪ Connection for upper basket spray arm

Control panel



- ① button (on/off)
Turns the commercial dishwasher on and off
- ② Buttons 1–3 (programme selection buttons)
Direct-access pushbuttons for storing favourite programmes
- ③ button (further programmes)
For selecting additional programmes
- ④ Display
User interface
- ⑤ button (arrow buttons)
For navigating in the user interface
- ⑥ button (cancel or back)
For cancelling a process in the user interface
(not for cancelling programmes)
- ⑦ **Start/Stop** button
For starting or cancelling a programme
- ⑧ button (door release)
Opening the door
- ⑨ **OK** button (confirmation)
For selecting options or confirming entries in the user interface
- ⑩ Service interface **PC**
Testing and transmission point for the Miele Customer Service Department

Correct application

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

Read the operating instructions carefully before using the commercial dishwasher for the first time. They contain important information on the safety, use and maintenance of the appliance. This way you will prevent the risk of accidents and damage to the commercial dishwasher. Keep these operating instructions in a safe place and pass them on to any future owner.

- ▶ This dishwasher with its short programme running times and powerful cleaning performance is intended for commercial use, for instance on
 - Drilling platforms and
 - in other similar commercial environments.
- ▶ The dishwasher must not be used in the event of instability (e.g. sea swell) during operation. Water could escape from the cabinet which could cause damage to the dishwasher.
- ▶ This appliance is designed exclusively for use as a “dishwasher” for cleaning loads as described in these instructions. Conversions, modifications and any other use are not permitted.
- ▶ This dishwasher is intended for stationary, indoor use only.
- ▶ The special inserts in the baskets should only be used for their specific application.
- ▶ This dishwasher may not be used to clean medical products or devices.
- ▶ This dishwasher can only be used by people with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, if they are supervised whilst using it or have been shown how to use it in a safe way and understand and recognise the consequences of incorrect operation.

Correct installation

- ▶ Do not install this dishwasher in an area where there is a risk of explosion or freezing conditions.
- ▶ To ensure stability a built-under dishwasher must only be installed beneath a continuous worktop that is bolted to the adjacent cabinetry.
- ▶ In order to reduce the risk of damage from condensation, the furniture in the area around the dishwasher should ideally be designed for commercial use.
Furniture can be protected using the vapour protection set, which is available as an optional accessory.
The vapour barrier film should be stuck under the worktop in the area around the dishwasher door.

Technical safety

- ▶ This dishwasher must only be commissioned, repaired and maintained by the Miele Customer Service Department, a dealer or a suitably qualified service technician. Unauthorised installation, maintenance and repairs can cause considerable danger for the user.
- ▶ This dishwasher must only be operated by appropriately trained personnel. They must be instructed and trained regularly.
- ▶ Before using the dishwasher, check it for any externally visible damage. Do not use a damaged dishwasher. This could be dangerous.
- ▶ In the event of a damaged or leaking dishwasher, switch off at the power supply immediately and call the Miele Customer Service Department, a Miele dealer or a suitably qualified service technician.
- ▶ Faulty components must only be replaced by genuine Miele original spare parts. Only when these parts are fitted can Miele guarantee the correct functioning and safety of the appliance.
- ▶ The electrical safety of this dishwasher can only be guaranteed when correctly earthed. If in any doubt, please have the electrical installation tested by a qualified electrician.
- ▶ Please follow the advice on installation in these operating instructions and the installation plan.
- ▶ Before connecting the appliance, ensure that the connection data on the data plate (voltage, frequency and fuse rating) match the mains electrical supply.
- ▶ There must be no electrical sockets behind the dishwasher. Danger of overheating and fire risk if the dishwasher were to be pushed up against a plug. See "Electrical connection".

Warning and Safety instructions

- ▶ Do not connect the dishwasher to the mains electricity supply via a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).
- ▶ Never open the casing of the dishwasher. Any contact with live connections or tampering with the electrical or mechanical components of the dishwasher will endanger your safety and may lead to appliance malfunctions.
- ▶ The dishwasher must not be used if the electrical connection cable is damaged. A damaged connection cable may only be replaced by a suitable connection cable of the same type. For safety reasons, such replacement may only be carried out by the Miele Customer Service Department or a qualified service technician.
- ▶ The dishwasher must be disconnected from the mains electricity supply before any maintenance or repair work is carried out.
- ▶ The plastic housing of the water connection contains electrical components. It must not be dipped in water.
- ▶ There are electrical wires in the water inlet hose. Do not shorten the water inlet hose, even if it is too long.
- ▶ The integrated Waterproof system offers protection from water damage, provided that the following conditions are met:
 - Installation has been carried out correctly.
 - The dishwasher is properly maintained and parts are replaced where it can be seen that this is necessary.
 - The stopcocks have been turned off during longer periods of inactivity (e.g. whilst on holiday).

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

Correct use

- ▶ This 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 in it. This could cause an explosion, damage rubber or plastic components in the dishwasher and cause liquids to leak out of it.
- ▶ Only use detergents formulated for use in commercial dishwashers. Unsuitable detergents could adversely affect components of the dishwasher or the load items.
- ▶ Do not sit, stand or lean on the opened door. This would tip or damage the dishwasher.
- ▶ After any plumbing work the water pipework to the dishwasher will need to be vented. If this is not done, components can be damaged.
- ▶ Please be aware that the dishwasher may be operating at high temperatures. When the door is opened there is a danger of burning or scalding. Items, baskets and inserts must be allowed to cool down before they are unloaded. Any water remaining in containers could still be very hot. Empty them into the wash chamber before taking them out.
- ▶ The water in the cabinet must not be used as drinking water.
- ▶ Pre-treating items (for example with washing-up liquid and other cleaning agents) as well as some types of soiling and some cleaning agents can cause a build-up of foam in the wash cabinet. Foam can have an adverse effect on the cleaning result.
- ▶ Foam escaping from the wash cabinet can cause damage to the dishwasher. If foam escapes the programme must be cancelled immediately and the appliance must be disconnected from the mains electrical supply.
- ▶ When using cleaning agents and specialised products, it is essential that the manufacturer's instructions are followed. Cleaning agents must only be used for the purpose they are designed for by the manufacturer to avoid any material damage or the occurrence of strong chemical reactions (e.g. oxyhydrogen explosion).
- ▶ Do not inhale or ingest powder detergent. Dishwasher detergent contains 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 cleaning agents may have on the material of the items being cleaned. Observe the cleaning agent manufacturer's instructions with regard to storage conditions, use and dosage.

Warning and Safety instructions

- ▶ To avoid material damage and corrosion, do not allow any acids or solutions containing chloride to get into the wash cabinet or onto the casing. Similarly avoid any ferrous materials with a corrosive effect.
- ▶ Do not wash items soiled with ash, sand, wax, lubricating grease or paint in the dishwasher. These materials will cause damage to the dishwasher.
- ▶ Do not clean the dishwasher or near vicinity with a hose or a pressure washer.
- ▶ Ensure that the outer casing of the machine does not come into contact with solutions or steam containing acid to avoid any corrosion damage.
- ▶ Be careful when sorting items with sharp pointed ends and positioning them in the dishwasher that you do not hurt yourself or create a danger for others. Sharp knives, forks, etc. should be placed in baskets with the pointed ends facing downwards.
- ▶ Remove any coarse food deposits and empty out any containers or utensils before loading them in the dishwasher.

Safety with children

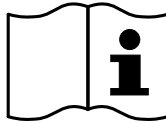
- ▶ Children should be supervised in the vicinity of the dishwasher. Never allow children to play with the appliance. There is a danger that children might shut themselves in the dishwasher.
- ▶ Children must not use the dishwasher.
- ▶ Keep children away from chemical agents. These contain irritant and corrosive ingredients which can cause burning in the mouth, or inhibit breathing. Keep children away from the dishwasher when the door is open. There could still be residual chemical agent in the wash cabinet. Seek medical advice immediately if a child has swallowed or inhaled chemical agent.

Accessories

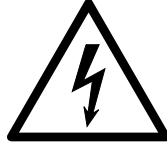
- ▶ Only use genuine Miele original spare parts and accessories with this dishwasher. Using spare parts or accessories from other manufacturers will invalidate the guarantee and Miele cannot accept liability.
- ▶ Only use Miele baskets and inserts with this dishwasher. Using baskets and inserts made 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.

Warning and Safety instructions

Warning signs and symbols attached to the dishwasher



Warning:
Observe the operating instructions!



Warning:
Danger of electric shock!



Warning: Hot surfaces:
It can be very hot inside the wash cabinet
when the door is opened!



Risk of being cut:
Wear cut-resistant protective gloves when
transporting and setting up the machine!

Disposal of your dishwasher

- For safety and environmental reasons, dispose of all chemical agents according to the manufacturer's instructions and to safety regulations. Safety goggles and protective gloves should be worn.
- Render the door lock inoperable to prevent children from accidentally locking themselves inside the machine. Ensure a safe removal and proper disposal of the dishwasher (see "Caring for the environment").

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

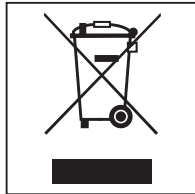
Disposing of the packaging material

The packaging material is used for handling and protects the appliance from transport damage. The packaging material used is selected from materials which are environmentally friendly for disposal and can generally be recycled.

Recycling the packaging material reduces the use of raw materials. Use material-specific collection points for valuable materials and take advantage of return options. Your Miele dealer will take the packaging material away.

Disposing of your old appliance

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



Instead, please make use of officially designated collection and disposal points to dispose of and recycle electrical and electronic appliances in your local community, with your dealer or with Miele, free of charge. By law, you are solely responsible for deleting any personal data from the old appliance prior to disposal. You are legally obliged to remove any old batteries which are not securely enclosed by the appliance and to remove any lamps without destroying them, where this is possible. These must be taken to a suitable collection point where they can be handed in free of charge. Please ensure that your old appliance poses no risk to children while being stored for disposal.

User groups

Users can be divided into two groups:

- Daily operators
- Experienced operators

Access to “Additional settings” can be blocked to general, daily operators by using a code (see “Additional settings, Code”).

Daily operators

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

Experienced operators

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

Display

The display is not a touch screen.

The display is used to select or set the following:

- the programme
- the Delay start time
- the settings

During a programme, the display shows the following:

- the programme name
- the programme stage / target temperature / actual temperature
- the estimated time left for the programme to run
- any relevant fault messages and information

Menu operation

This dishwasher is operated exclusively via buttons on the control panel. The buttons are arranged to the side of the display on the stainless steel control panel and 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.
- v 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 values is described in the relevant section.

Menus

The commercial 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.

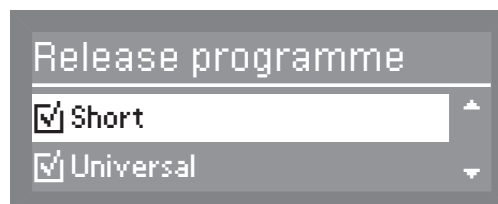
Single selection



Use the \wedge and \vee arrow buttons to navigate through the menu. The highlighted option is selected by pressing the *OK* button. The option which is selected will have a tick \checkmark next to it. The other options are automatically deselected.

Press the *OK* button to progress to the next menu, or to the next input position when entering values. The procedure for entering values is described in the respective chapter. Press the \hookleftarrow button to revert to the previous menu without saving the entry.

Multiple selection

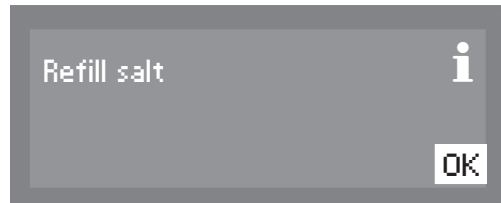


Use the \wedge and \vee arrow buttons to navigate through the menu. Several options can be selected in succession within the menu using the *OK* button. Once selected, an option will have a tick \checkmark beside it. To save your selection, select *Accept* and confirm with the *OK* button.


Operation tips

System messages The **i** symbol denotes system messages. These give information about current processes and the status of the commercial dishwasher. System messages are displayed individually at the end of the programme. If there are a number of system messages, subsequent messages can be displayed by pressing the **OK** button. System messages can also be displayed during the programme sequence by pressing the **OK** button.

Example:




Automatic switch-off

The commercial dishwasher has an automatic switch-off function. The commercial dishwasher switches itself off automatically after the time set. The display and all other LEDs are switched off. To switch the commercial dishwasher back on, press the On/Off  button.


The automatic switch-off function can be deactivated (see “Additional settings, Switch off after”). The display will then remain switched on in idle mode.

Symbols in the display

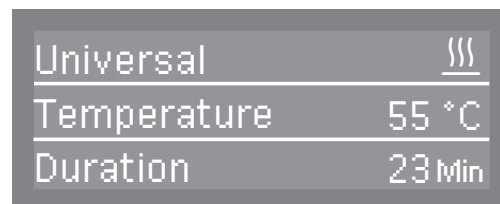
- Navigation arrows**  If a menu contains more than two options, two navigation arrows are shown beside the options. The arrow buttons \wedge and \vee can be used to scroll through the options.
- Dotted line** ----- If a menu contains more than two options, the end of the option list is marked by a dotted line. The last entry appears above the line, the first entry below it.
- Tick** \checkmark If there are several options available, the current setting is marked with a tick \checkmark .




Example





- Drying**  If drying assistance has been activated, the drying symbol will be displayed to the right of the programme name.

Example



- System messages**  The  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  symbol. See “Problem solving guide” for more information.

Commissioning

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

The commercial dishwasher will guide you automatically through the steps required.

Reactivation is carried out during the first programme following commissioning.

If the first programme after commissioning is not completed and the commercial dishwasher is then switched off, the initial 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 “Further settings”.

Switching on

The dishwasher must be connected to the electrical supply.

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

Setting the language

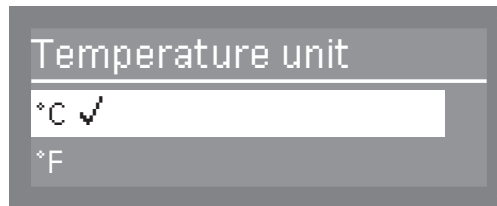
The commissioning process automatically begins at the language setting screen, where you will be prompted to set the display language.



- Use the ^ and v arrow buttons to select the desired language and confirm your choice with the OK button.

Setting the temperature unit

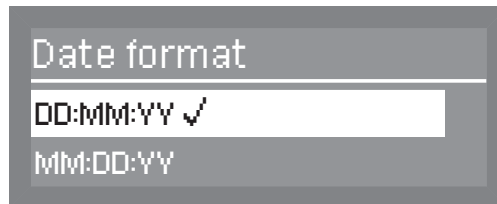
The display will then change to the screen for setting the temperature unit.



- Use the \wedge and \vee arrow buttons to select the desired temperature unit and confirm your choice with the *OK* button.

Setting the date format

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



- Use the \wedge and \vee 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 \wedge (higher) and \vee (lower) to set the day, month and year, and confirm each entry with the *OK* button.

Setting the clock format

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



- Use the \wedge and \vee arrow buttons to select the desired format, and confirm your choice with the *OK* button.

Commissioning

Setting the time

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



- Use the arrow buttons \wedge (higher) and \vee (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” (in the morning) or “pm” (in the afternoon) will appear beside the time.

Setting the water hardness

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

The commercial dishwasher must be programmed for the water hardness level in your area.

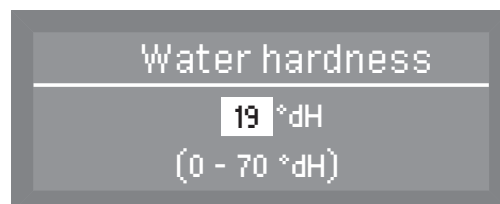
- Your local water authority will be able to advise you of the water hardness level in your area.
- Where the water hardness fluctuates, e.g. between 1.4 and 3.1 mmol/l (8–17 °dH – German scale), always programme the dishwasher to the higher value (3.1 mmol/l or 17 °dH in this example).

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

- Therefore, please enter the water hardness:

_____ °dH

The dishwasher is programmed at the factory for a water hardness level of 3.4 mmol/l (19 °dH – German scale).



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

See “Filling the container for dishwasher salt” for more information about setting the water hardness level.

Plumbing connections

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

This setting can be switched off if the dishwasher cannot be connected to all available plumbing connections.

If individual plumbing connections are switched off, they can only be reactivated by Miele Service.



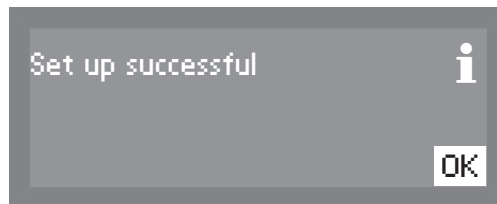
- Use the \wedge and \vee arrow buttons to select the plumbing connections which are not connected and confirm your choice using the *OK* button.

The tick \checkmark will be removed from the box ☐ and the plumbing connection is now switched off.

- Select *Accept* to save your selection and confirm using 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 short cut button programme will appear in the display.

Opening and closing the door


Comfort door locking mechanism


This dishwasher is equipped with a comfort door locking mechanism. This door locking mechanism helps drying by opening the door by a couple of centimetres at the end of the programme (except Reactivation, Cold, 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 switched 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 goes out 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 programme (see “Operation, Interrupting a programme”).

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

Closing the door

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

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

If the door cannot be closed properly by the mechanism because it is obstructed by crockery or similar, a three-digit error code will appear in the display (see “Problem solving guide”).

- 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 and closing the door

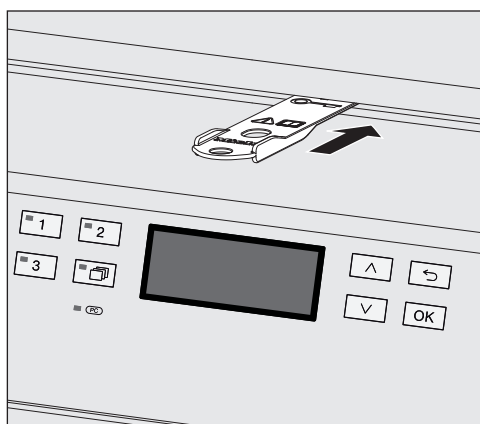
Opening the door using the emergency release

⚠ 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 programme sequence, hot water can escape.
Danger of scalding and burning.

The emergency release mechanism is located on the right beside the door lock in the gap between the door and the lid of the machine (or the countertop, with built-under machines).

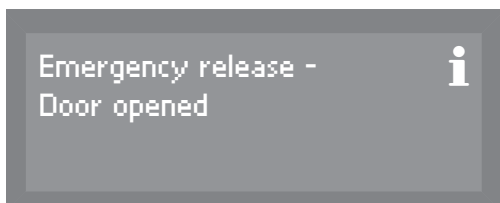
The emergency release is operated using the tool supplied in the accessory pack together with the operating instructions.



- 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 commercial 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:



The message is confirmed when the door has been released from the closing mechanism. The last programme used will then appear in the display.

Reactivation

In order to achieve excellent cleaning results, the commercial dishwasher needs to operate with soft mains water. Hard mains water results in the build-up of calcium deposits on items and on the wash chamber walls.

Mains water with a water hardness of 0.7 mmol/l (4 °dH) must therefore be softened. This occurs automatically in the integrated water softener.


The water softener must be set to the exact hardness of the mains water.

Your local water authority can give you information about the exact water hardness in your area.

It is useful to know your water hardness so that you can provide the service technician with this information in the event of any subsequent service calls. For this reason, please record the hardness level of your mains water here:

_____ mmol/l or °dH

The water softener must also be reactivated at regular intervals. Special dishwasher salt is required for this.

 Damage to the water softener from detergent.

Detergent will damage the water softener.

Do not fill the container for dishwasher salt with powder or liquid detergent.

 Damage caused by using unsuitable salts.

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

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

Suitable products are available from Miele Professional.

If the hardness of your water is constantly less than 0.7 mmol/l (= 4 °dH), no salt is required for the water softener.

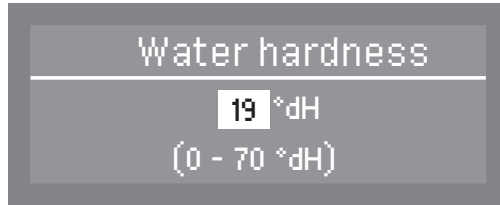
However, you will still need to set the water hardness.

Filling the salt reservoir

Setting the water hardness level

The water softener can be set between 0 - 12.6 mmol/l (0 - 70 °dH).

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



The factory default for the water softener is set to a hardness of 3.4° mmol/l (19°dH).

When adjusting the setting, please consult the following table.

Where the water hardness fluctuates, e.g. between 1.4 - 3.1 mmol/l (8 - 17 °dH), always programme the dishwasher to the higher value, 3.1 mmol/l (17 °dH) in this example.

- Use the ^ (higher) and v (lower) arrow buttons to set the water hardness required and confirm your entry using the OK button.

Settings

°dH	°f	mmol/l	Display
0	0	0	0
1	2	0.2	1
2	4	0.4	2
3	5	0.5	3
4	7	0.7	4
5	9	0.9	5
6	11	1.1	6
7	13	1.3	7
8	14	1.4	8
9	16	1.6	9
10	18	1.8	10
11	20	2.0	11
12	22	2.2	12
13	23	2.3	13
14	25	2.5	14
15	27	2.7	15
16	29	2.9	16
17	31	3.1	17
18	32	3.2	18
19	34	3.4	19 *)
20	36	3.6	20
21	38	3.8	21
22	40	4.0	22
23	41	4.1	23
24	43	4.3	24
25	45	4.5	25
26	47	4.7	26
27	49	4.9	27
28	50	5.0	28
29	52	5.2	29
30	54	5.4	30
31	56	5.6	31
32	58	5.8	32
33	59	5.9	33
34	61	6.1	34
35	63	6.3	35

°dH	°f	mmol/l	Display
36	65	6.5	36
37	67	6.7	37
38	68	6.8	38
39	70	7.0	39
40	72	7.2	40
41	74	7.4	41
42	76	7.6	42
43	77	7.7	43
44	79	7.9	44
45	81	8.1	45
46	83	8.3	46
47	85	8.5	47
48	86	8.6	48
49	88	8.8	49
50	90	9.0	50
51	92	9.2	51
52	94	9.4	52
53	95	9.5	53
54	97	9.7	54
55	99	9.9	55
56	100	10.0	56
57	102	10.2	57
58	104	10.4	58
59	106	10.6	59
60	107	10.7	60
61	109	10.9	61
62	111	11.1	62
63	113	11.3	63
64	115	11.5	64
65	116	11.6	65
66	118	11.8	66
67	120	12.0	67
68	122	12.2	68
69	124	12.4	69
70	125	12.5	70

*) Factory default setting

Filling the salt reservoir

Add salt reminder

- When the reminder to refill the salt reservoir appears in the display, wait until the end of the programme and then refill it with reactivation salt.
- Confirm the message shown with the *OK* button.

If salt is not added, the **i** symbol indicating a lack of salt will appear beside the programme name on the right.

The refill reminder will appear again at the end of every programme.

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

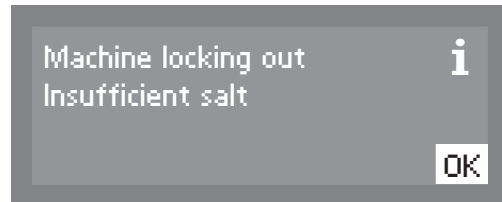
If there are no further refill reminders, the **i** symbol in the display will go out after a few seconds when the salt is refilled.

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

Machine lock-out in case of lack of salt

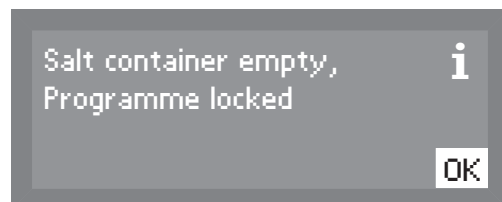
If the refill salt reminder is ignored for several programme cycles and the salt is not refilled, the dishwasher will lock itself against further use until it is refilled.

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



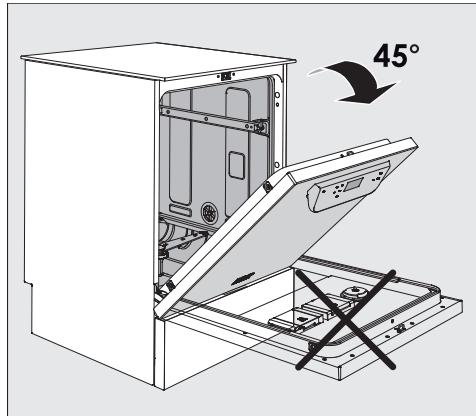
Only a few more programme cycles are possible, depending on the programme selected and water hardness level set.

The dishwasher is locked against operation if further programme cycles are run without salt being refilled.

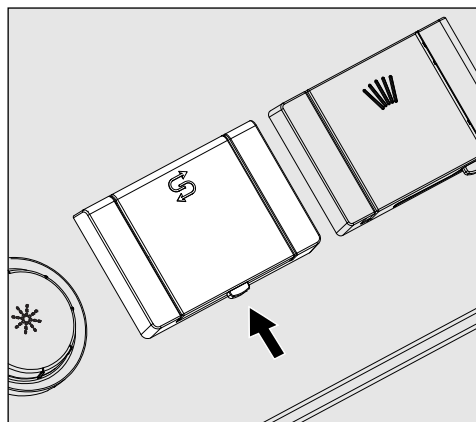


When reactivation salt is added the machine will unlock itself after a few seconds.

Filling the container for dishwasher salt

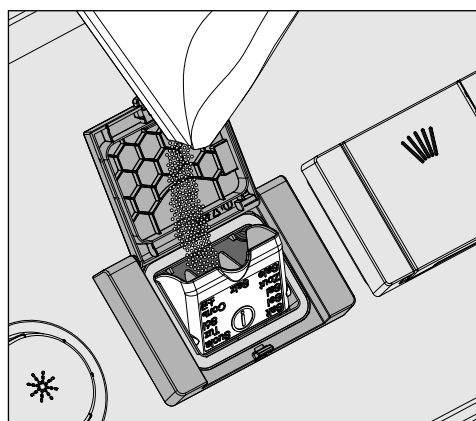


- When filling the salt container, **only open the door halfway** to ensure that all the salt gets into the container.



- Press the button on the lid of the salt container in the direction of the arrow. The flap will spring open.
- Open the funnel.

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



- Add salt into the container until the funnel is full but still closes easily. The salt container will take approx. 2 kg of salt on the first fill depending on the degree of coarseness. Subsequent refills may take less salt, as there may still be salt remaining in the container.

Filling the salt reservoir

Do not add more than 2 kg of salt.

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

- Clean any excess salt from around the container opening and the seal surrounding it, and then close the flap.
- To avoid corrosion in the wash chamber, run the **Cold** programme (without any items in the dishwasher) immediately after refilling the salt container. This will dilute and rinse away any remaining traces of salt.

Rinsing agent

Rinsing agent is necessary to ensure water does not cling and leave marks on crockery during the drying phase and helps crockery dry faster after it has been washed.

Rinsing agent can be poured into the reservoir in the door or can be dispensed via an external dispensing DOS module (Optional accessory - see "DOS module").

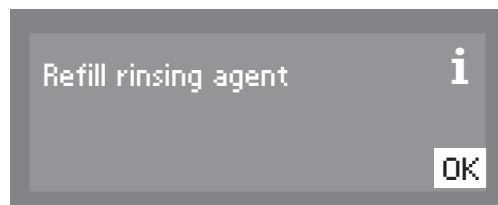
⚠ Only fill the rinsing agent reservoir with rinsing agent. Do not fill it with washing-up liquid or powder or liquid detergent. This will seriously damage the reservoir.

Suitable products are available from Miele Professional.

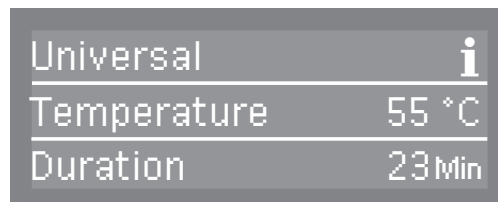
Conversion to the external DOS module must be carried out only by Miele Service or by an authorised Miele Service Dealer.

Add rinsing agent reminder

- Refill rinsing agent at the end of a programme as soon as the message appears in the display.



- Confirm the message shown with the OK button.



If rinsing agent is not added, the **i** symbol indicating a lack of rinsing agent will appear beside the programme name on the right.

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

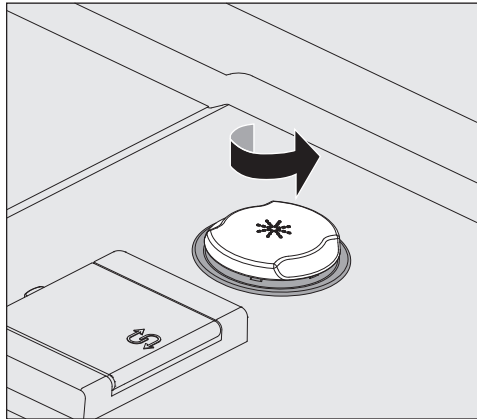
Refill reminders can be displayed during the programme cycle by pressing the OK button.

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

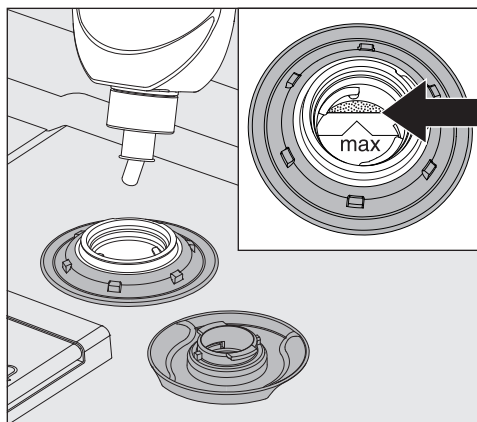
Adding rinsing agent

Adding rinsing agent

- Open the door **fully**.



- Unscrew the lid of the rinsing agent container.



- Add rinsing agent only until it is up to the maximum mark on the edge of the funnel on the container.

The container holds approx. 300 ml.

- Screw the lid of the rinsing agent container back on tightly so that water cannot get into the container during the wash cycle.
- Run the “Cold” programme to rinse away any spilled rinsing agent. This prevents over-foaming occurring during the next programme.

You can adjust the dispensing quantity of the rinsing agent for best results (see “Additional settings, Additional functions”).

Loading the dishwasher

Remove coarse food residues from crockery.

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

Notes

⚠ Risk of damage caused by acids and solvents.
Acid or solvent residues, especially hydrochloric acid or chlorides, must not get inside the wash cabinet.
Do not put acids or solvents in the wash cabinet.

⚠ Damage caused by items soiled with ash, sand, wax, lubricant or paint
These materials will cause damage to the dishwasher.
Do not wash items soiled with ash, sand, wax, lubricant or paint in the dishwasher.

Load crockery and cutlery into the appropriate places in the baskets, observing the following notes:

- Load the crockery so that water can access all surfaces. This ensures thorough and proper cleaning.
- Load plates symmetrically in the upper and lower baskets with the concave surfaces facing the centre of the basket (as shown on the following pages).
- Do not place crockery and cutlery inside other items. They will cover one another.
- Make sure that all items are securely positioned.
- Hollow items such as cups, glasses, pans, etc. must be inverted in the basket.
- Tall, narrow, hollow items should be placed in the centre of the basket if possible. This ensures better water coverage.
- Wide-based items should ideally be placed at an angle so that water can run off them freely.
- The spray arms must not be blocked by items which are too tall or hang through the baskets. If in doubt, test for free movement by manually rotating the spray arms.
- If you need to wash large load items in the lower basket, you can remove the upper basket.
- Small items can fall through the holders in the baskets. They should therefore be placed in the cutlery basket.

Areas of application

Items not suitable for dishwashers

- Wooden cutlery and crockery or items with wooden parts may discolour or fade. The glue used in these items is not dishwasher-proof. Wooden parts may come loose after being washed in a dishwasher.
- Craft items, antiques, valuable vases and decorative glassware are not dishwasher-safe.
- Plastic items which are not heat resistant may melt or lose shape.
- Copper, brass, tin and aluminium items may discolour or become matt.
- Colours painted over a glaze may fade after a number of washes.
- Delicate glasses and glassware containing crystal may become cloudy over time.

We recommend

- When purchasing new crockery and cutlery, make sure they are dishwasher-safe if you want to wash them in the dishwasher.
- Clouding may occur on glasses after frequent washing in the dishwasher. When washing delicate glasses in the dishwasher, ensure that only a special glass-care programme with very low temperatures (see “Programme chart”) is selected and that a suitable cleaning agent is used. This will reduce the risk of clouding.

Please note:

Silver and aluminium which has been in contact with foods containing sulphur can discolour.

Risk due to chemical reaction

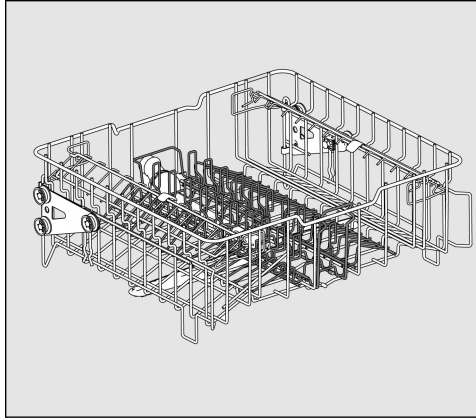
Aluminium components (e.g. grease filters) must not be cleaned in the dishwasher with caustic alkaline commercial or industrial cleaning agents.

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

Do not clean pretreated aluminium components in the dishwasher.

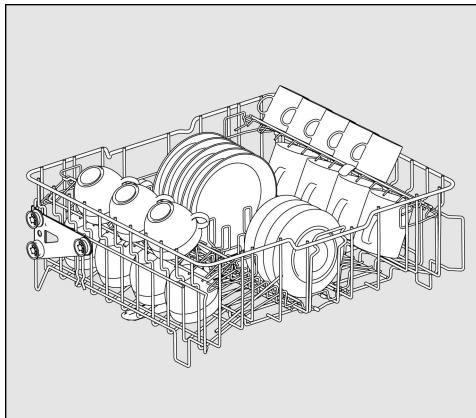
Upper basket

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. Smaller shallow pots and pans can also be washed in the upper basket.



APFD 215 upper basket with APFD 415 insert

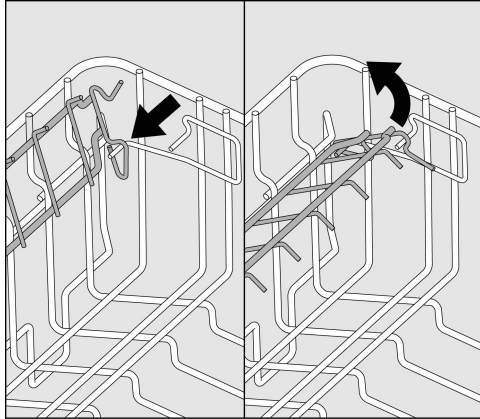
The middle insert can be removed from the upper basket to wash larger pots and pans or to replace it with other inserts.



With APFD 415 insert for 20 cups and 32 saucers or 18 dessert plates and 20 cups, for example.

Areas of application

Cup rack



You can fold up the cup rack to place large cups, glasses and mugs in the upper basket.

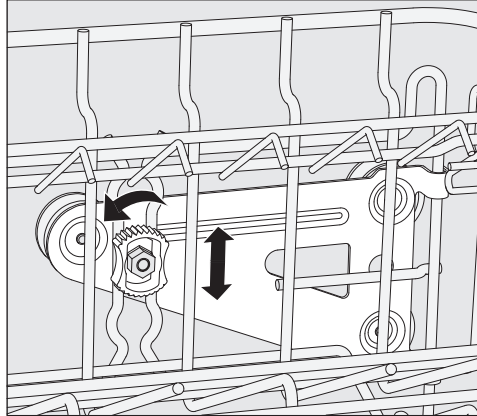
- Fold up the cup rack.

The upper basket can be removed in order to wash larger items in the lower basket (e.g. serving dishes).

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 positions that are approx. 5 cm apart.

- Pull out the upper basket.



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

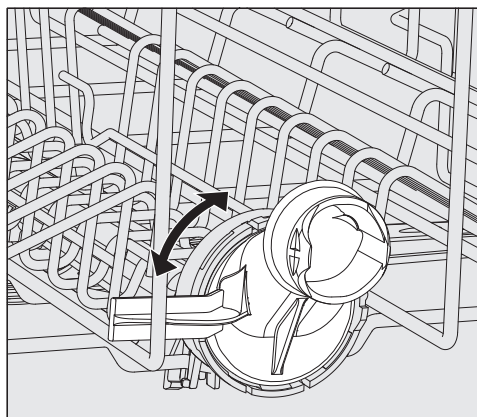
The upper basket must be level in both positions.

If the upper basket is inclined, a water connection is not possible.

⚠ Damage caused by the water connection being positioned incorrectly.

The position of the water connection needs to be adjusted after the height of the upper basket has been changed.

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.

Areas of application

Depending on the position of the upper basket, the following plate dimensions can be accommodated:

Example with APFD 215 upper basket:

Upper basket position	Upper basket plate Ø	Lower basket plate Ø
Top	Max. 15 cm	33 cm*
Bottom	Max. 20 cm	25 cm

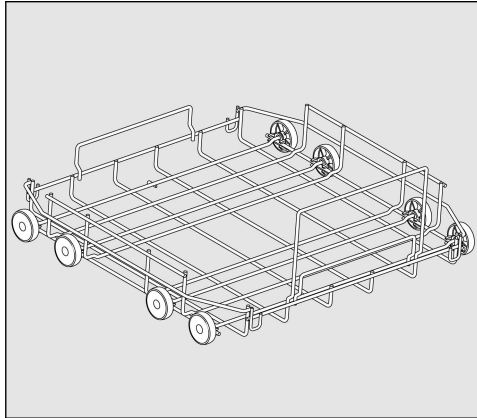
* The E 816 plate insert is required in the lower basket.

Lower basket

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

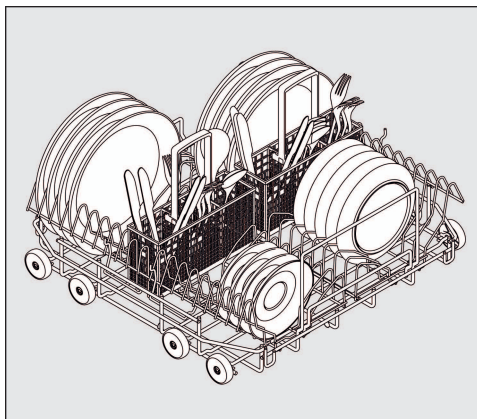
Only place thin, delicate glasses in a suitable insert or lower basket.

Always arrange plates with the top side facing inwards, as shown in the pictures, to achieve the best cleaning result.



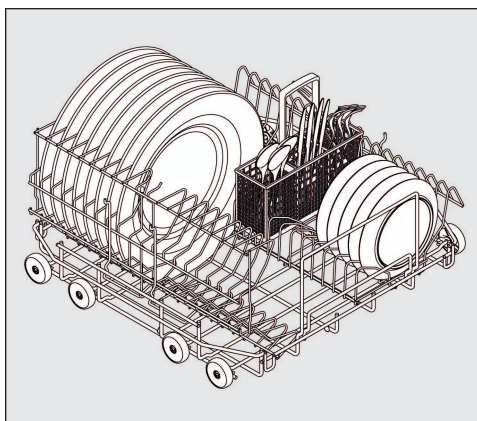
APFD 220 lower basket carrier

For plastic trays, various inserts and cutlery inserts.



APFD 220 lower basket with 2 x E 816 inserts and 2 x APFD 420 cutlery inserts

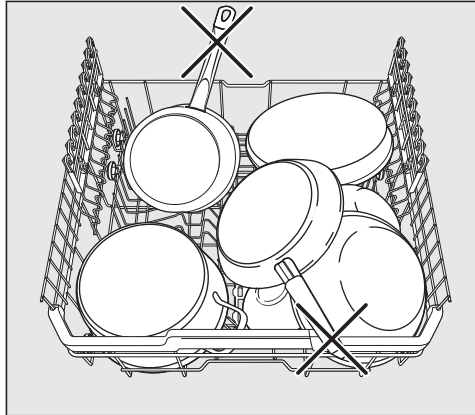
32 plates each with Ø 25 cm and various items of cutlery can be loaded. Without cutlery inserts, 38 plates each with Ø 25 cm can be loaded into the E 816 inserts.



APFD 220 lower basket with an E 816 insert rotated 90°

Areas of application

With the APFD 420 cutlery insert, 32 plates each with Ø 33 cm and various items of cutlery can be loaded. Without the cutlery insert, 38 plates each with Ø 33 cm can be loaded into the rotated E 816 insert.

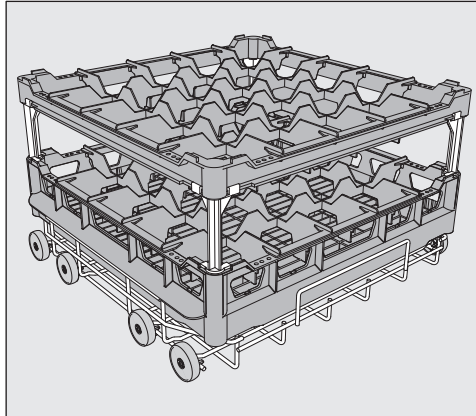


Damage due to protruding items

Protruding items can damage the interior of the dishwasher. When loading the baskets, make sure that no parts, such as handles, are protruding over the edge of the baskets.

Loading plastic trays

The U 890 lower basket carrier can be loaded with plastic trays measuring 500 x 500 mm.



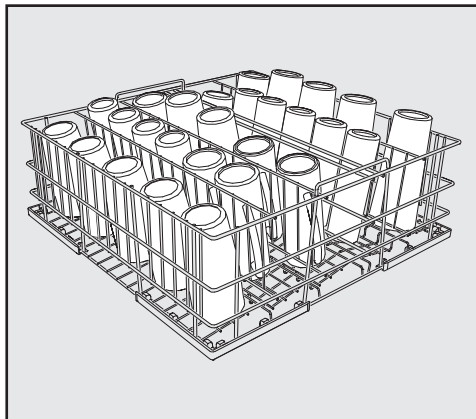
The special O 885 upper basket carrier is required for loading plastic trays in the upper basket (max. height for items is 130 mm).

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

Which basket combination to use will depend on the type, shape and size of the items to be washed.

For further information on baskets, please contact your Miele dealer or the Miele Customer Service Department.

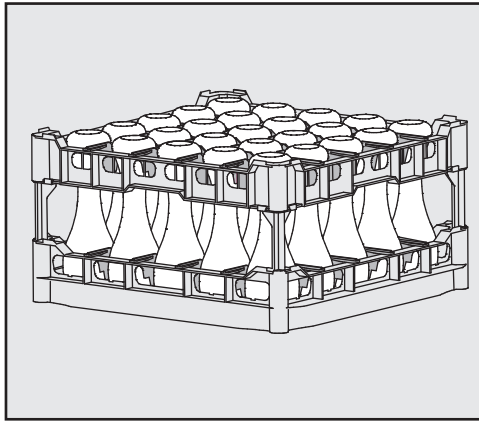
Examples: (lower baskets)



U 525 5-row wire basket

The wire basket can be used for glasses with a maximum diameter of 8 cm.

Areas of application



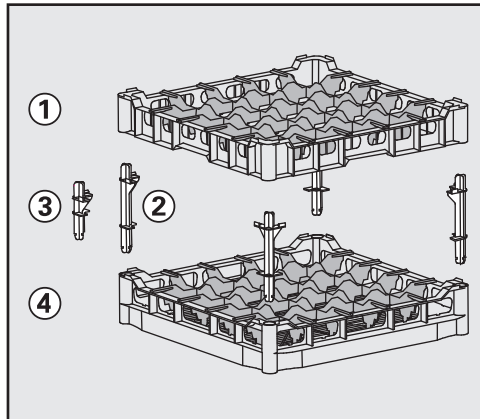
U 534–U 537 plastic trays with compartments for different glass heights

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 basket 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 cleaning agent

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

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

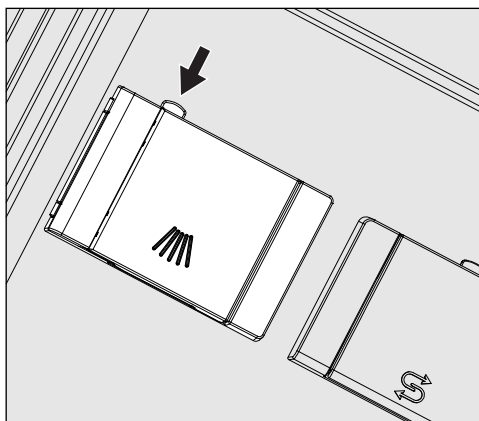
Tabs can be used.
Only use tabs that are quick dissolving. Suitable tabs are available from Miele Professional.

Powder cleaning agent

Only use powder cleaning agent or tabs in the door dispenser compartment.

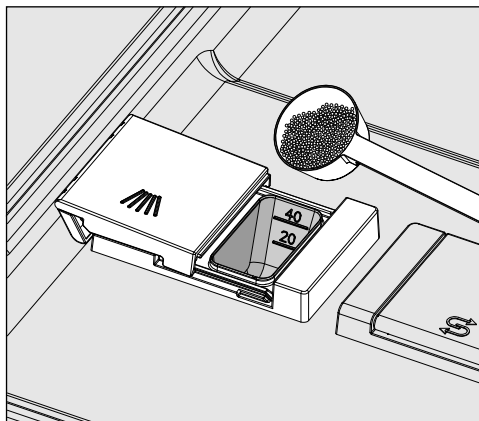
Add powder cleaning agent or a tab to the detergent dispenser in the door before every wash programme (except Cold, Reactivation and Drain). Follow the tips on the next page.

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



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

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



- Add the required amount of powder cleaning agent and close the flap.

Dispensing

- Always follow the recommendations of the cleaning agent manufacturer.

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

The compartment holds a maximum of 60 ml.

Dispensing module

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

Suitable products are available from Miele Professional.

For more information on Miele dispensing modules, please contact your Miele dealer or the Miele Customer Service Department.

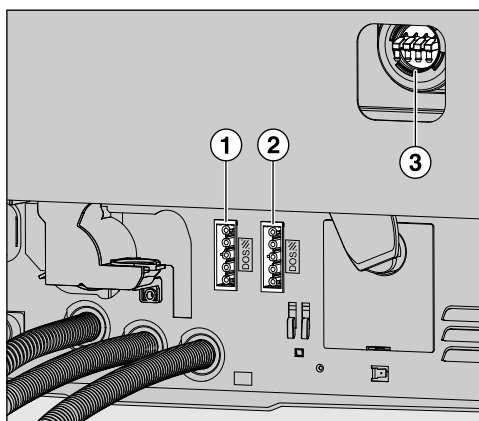
Labelling of the siphons

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

Specific types of soiling may require different combinations of cleaning agents and additives. The Miele Customer Service Department will be able to advise you.

Connecting dispensing modules

The dispensing module is supplied with its own installation instructions.



- ① Power supply connection for DOS 1, cleaning agent.
- ② Power supply for DOS 4, rinsing agent.
- ③ Connections for dispenser hoses.

⚠ Before fitting the dispensing 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 any doubt, consult a qualified 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 water.

Operation

Setting the dispensing concentration Refilling or changing containers

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

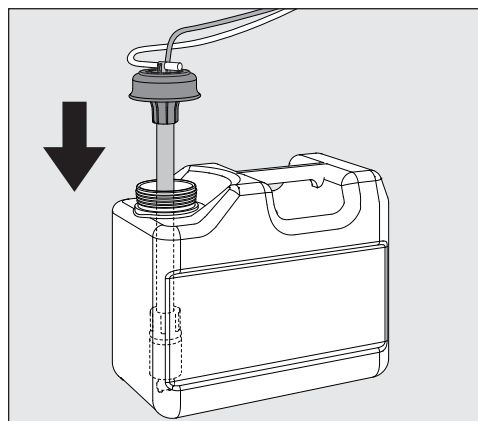
The dispensing module is equipped with a level monitoring indicator which shows a message in the display when the level drops below the minimum.



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

Replace the container in good time to prevent the dispensing system being emptied completely.
Vent an empty dispensing system before starting the next programme.

- Place the container on the open dishwasher door or on a surface which is easy to clean.
- Take the lid off the canister and remove the siphon. Place the siphon on the open dishwasher door.
- Fill or replace the container, fit the siphon and secure the lid. Observe the colour coding.



- Feed the siphon into the canister until it reaches the bottom.
- Wipe up any spilled process chemical thoroughly.
- Place the container on the floor beside the commercial dishwasher or in an adjacent cabinet. The container must be at the same level as the machine and not be placed on top of or above the machine.
- The dispensing system must then be vented.

Checking consumption







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

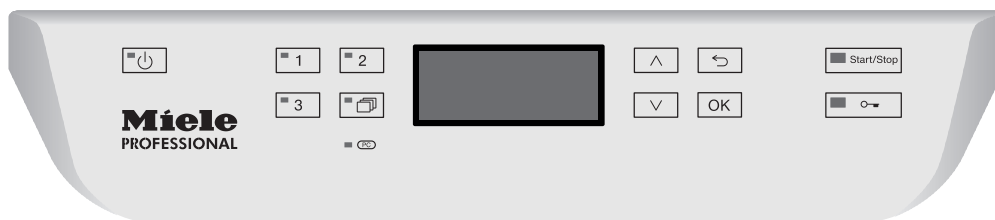
LEDs in the buttons

Light-emitting diodes that indicate the status of the dishwasher are set into the buttons.

Except for the *Start/Stop* button, which has a green LED in normal operation, all other LEDs light up yellow.

In the event of a fault the *Start/Stop* button flashes red.

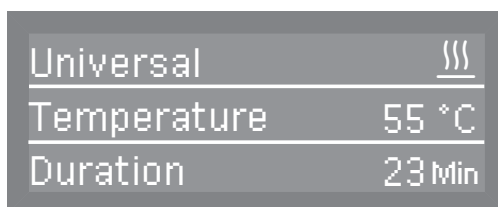
Button	LED	Status
 On/Off button	ON	The dishwasher is switched on.
	OFF	The dishwasher is switched off.
Buttons  ,  and  Programme short cut buttons	ON	The respective programme has been selected. At the end of the programme the LED will remain lit until a different programme is selected.
	OFF	The programme is not selected or the programme settings are being selected.
Further programme  button	ON	A programme was selected from the programme list. At the end of the programme the LED will remain lit until a different programme is selected.
	OFF	No programme has been selected from the list or the programme settings are being selected.
<i>Start/Stop</i> button	ON	Programme running
	FLASHES GREEN	A programme has been selected but not yet started.
	FLASHES RED	A fault has occurred.
	OFF	A programme has finished.
 Door button	ON	A programme has been selected but not yet started.
	FLASHES	A programme is finished and the door is closed.
	OFF	Programme running



Switching on

- Switch on the water supply if it is off.
- Press the button until the button's LED 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 programme, e.g.:



Selecting a programme

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

Short cut buttons

The most regularly used programmes can be selected via short cut buttons , or . These can be adapted to suit individual needs (see "Further Settings").

The first three programmes from the Programme chart are allocated to the short cut buttons as the factory default.

- Select a programme using the short cut buttons.

The short cut button's LED will light up and the *Start/Stop* button's LED will flash.

Programme list

Programmes which cannot be selected via the short cut buttons can be selected from the programme list.

- Press the button.


The following option menu appears in the display



- Select the programme you want using the and buttons and confirm your choice using the *OK* button.

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

Universal	
Temperature	55 °C
Duration	23 Min

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

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

Starting the programme

- 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 programme can no longer be changed. A running programme can either be interrupted (see “Interrupting a programme”) or cancelled (see “Cancelling a programme”).

Programme sequence indicator


After the start of a programme, the wash phase description and, for 10 seconds, Programme start are shown in the display.

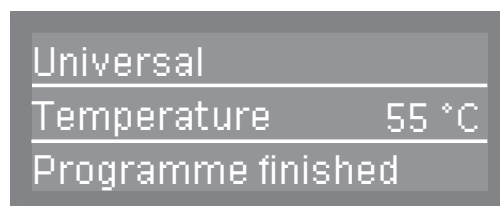
During the programme sequence, the arrow buttons \wedge and \vee can be used to switch between the wash phase, the set temperature and the actual temperature in the second line of the display.


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


Universal	
Main wash	
Duration	23 Min


At the end of the programme

After a programme which has ended normally the *Start/Stop* button's LED will go out and the  button's LED will flash. The message Programme finished will appear in the bottom line of the display.



In addition to this a buzzer will also sound for approx. 3 seconds (factory default). To alter the buzzer tones see “Settings , Buzzer tones”.

If drying assistance has been activated (see “Settings , Drying”), the door will automatically open a few centimetres.

If the switch-off function is activated, the dishwasher switches itself off after a short time.
Press the  button to switch on.

Switching off

- Press the  button until the LED in the button 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 comfortable enough to handle before unloading them.


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

First unload the lower basket, then the upper basket. This will prevent water drops from the upper basket falling onto the dishes in the lower basket.

Interrupting a programme

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

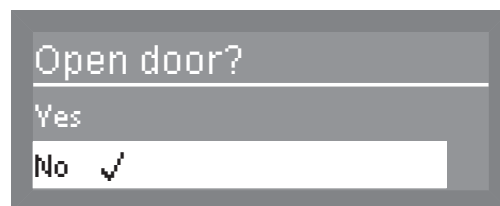
⚠ Caution. The wash load and the interior of the dishwasher may be hot.
Danger of scalding and burning.

- Press the  button.


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

- Confirm the message shown with the **OK** button.

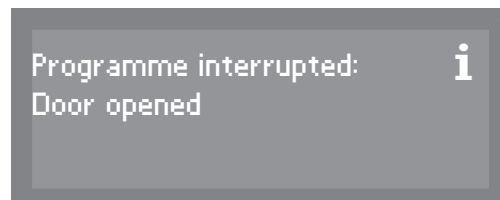
The following will appear in the display:



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

The programme will only be cancelled when **Yes** is confirmed.
If there is no further input 20 seconds after the  button has been pressed, the display will revert to the programme sequence.

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 programme will continue from the point at which it was interrupted.

The display will automatically revert to the programme sequence.

Cancelling a programme

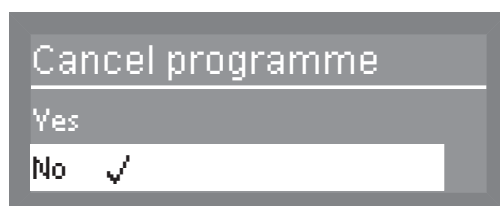
Only cancel a programme which has already started if strictly necessary, e.g. if you want to change the programme.

In the event of a fault the programme 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.

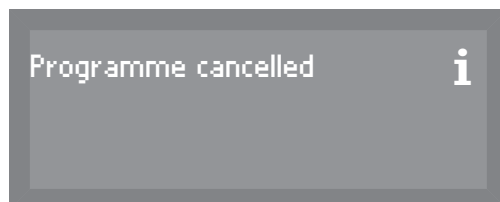
The following will appear in the display:



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

The programme will only be cancelled when *Yes* is confirmed.
If there is no further input approx. 20 seconds after the *Start/Stop* button has been pressed, the display will revert to the programme sequence.

The following message appears in the display:



If you change the programme and the cleaning agent compartment flap is open, add more cleaning agent as necessary.

Delay start

The start time of a programme can be delayed, e.g. to benefit from economy rates of electricity. A delay start time of between 1 minute and 24 hours can be selected.


Delay start must be switched on in the Settings menu (see “Settings ▮, Delay start”).

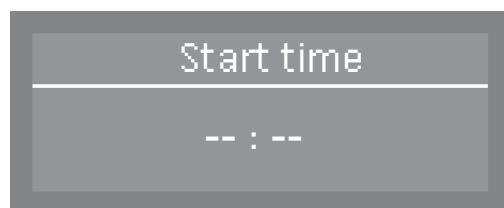
If Delay start has been switched off, it will not be visible when additional functions are called up.

When using the Delay start function, make sure that the cleaning agent compartment is dry before adding cleaning agent. Wipe dry with a cloth if necessary.

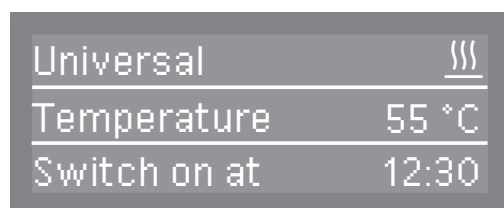
If the compartment is wet, cleaning agent can become lumpy and stick to the dispenser, with the result that it is not fully dispensed.

Setting the start time


- Switch the dishwasher on with the  button.
- Select the programme you require (see “Operation, Selecting a programme”). The *Start/Stop* button's LED will flash.
- Press the *OK* button.
- Select *Delay start* and confirm your choice with the *OK* button.



- Use the arrow buttons \wedge (higher) and \vee (lower) to set the hours and minutes and confirm each entry using the *OK* button.
- When you have entered the start time, press the *Start/Stop* button.





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


To cancel a set delay start before it has started, switch the dishwasher off using the  button.

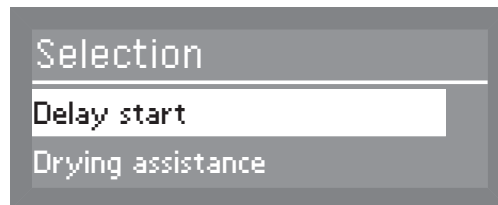
Drying assistance

To achieve better drying results, the dishwasher door will automatically open a few centimetres at the end of the programme. This function cannot be activated for all programmes (see “Programme chart”).


Drying assistance can be activated or deactivated for the selected programme, even if it is switched on or off permanently under “Settings , Drying”. The setting adopted will then be applied once for the programme selected and will go out at the end of the programme.

- Switch the dishwasher on with the  button.
- Select the programme you require (see “Operation, Selecting a programme”). The *Start/Stop* button's LED will flash.
- Press the *OK* button.

If Delay start has been activated under “Settings , Delay start”, the following will appear in the Selection menu:




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

If delay start has been deactivated under “Settings , Delay start”, the options for drying assistance will appear immediately.



- No
Drying assistance is deactivated for the selected programme.
- Yes
Drying assistance is activated for the selected programme.

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.

Additional functions

Universal	<u>SSS</u>
Temperature	55 °C
Duration	23 Min



If drying assistance has been activated, the drying symbol SSS will appear in the display to the right of the programme name.

If the wash cabinet temperature after the final wash phase is higher than 67 °C (e.g. in the Hygiene Plus programme), an active cooling phase takes place before the end of the programme. The programme will only end when the temperature is lower than 67 °C.

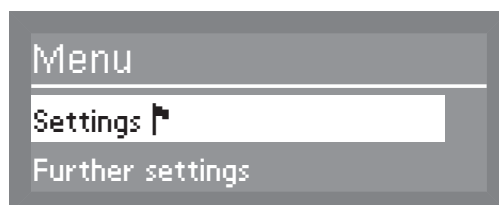
An audible tone sounds, Programme finished appears in the display and the door automatically opens a few centimetres.


Opening the “Settings ” menu


To open the settings menu:

- Switch the dishwasher off.
- Press and hold the  button and switch the dishwasher on using the .


After that, the display will show the following, for example:



If the  button is pressed in this menu, the dishwasher will revert to normal operation.


- Select the Settings  option and open the menu for this by pressing the OK button.

Options in the Settings menu

- Delay start
Switch Delay start on or off (see “Delay start”)
- Drying
Switch drying assistance on or off permanently and adjust the drying time (see “Drying”).
- Language 
Select the operating language (see “Setting the language”)
- DOS venting (Option is only visible if a DOS module is activated)
Vent dispensing system (see “Venting DOS modules”)
- Date
Set the date and date format (see “Setting the date”)
- Time of day
Set the time and clock format (see “Setting the time”)
- Volume
Set the volume of keypad and buzzer tones (see “Buzzer tones”)

Menu structure

Factory defaults are shown.

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


Delay start

You can select whether Delay start appears in the Additional functions menu or not.

Selecting **No** will remove Delay start from the Additional functions menu for operators.

To be able to delay the start of a programme, **Yes** must be selected in order for it to be displayed in Additional functions.

To set the start time see “Additional functions, Delay start”.

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

The following options are available:




- No
Delay start is switched off and therefore not visible as an additional function.
 - Yes
Delay start is switched on.
- Select the option you want and confirm your choice with the **OK** button.

Drying

You can switch assisted drying on or off for all programmes that support this function.

In Additional functions you can select or deselect drying for individual programmes (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 switched off.
- Yes
Drying is switched on for those programmes which support drying assistance.

Setting the language

The language set will be used in the display.

The flag symbol  after the word “Language” acts as a guide if a language which you do not understand has already been set. If this is the case, keep selecting the option which has a flag after it until you reach the “Language” sub-menu.

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

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



- Use the \wedge and \vee arrow buttons to select the language you want and confirm your choice using the *OK* button.


Venting DOS modules


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

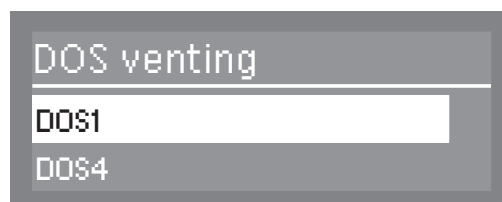
The dispensing system for liquid agents can only dispense reliably if the system has been purged of air.

The DOS system must be vented:

- if the dispensing system is being used for the first time,
- if the liquid cleaning agent container has been replaced,
- if the dispensing system has been sucked completely dry.

 To avoid damage to the dispensing system, make sure before venting that the containers for cleaning agent and rinsing agent are sufficiently filled and the dispensing siphons are screwed securely to the containers.

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




- Select the dispensing system to be vented using the \wedge and \vee arrows and confirm your choice with the *OK* button.

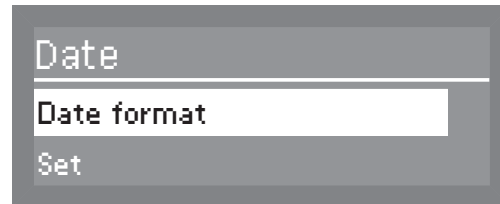
The dishwasher will then start to vent the selected dispensing system automatically. As soon as this is completed, Dispensing system DOS successfully vented will appear in the display.

- Confirm the message with the *OK* button.

Setting the date

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

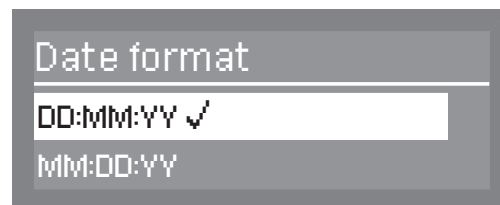
In the following menu you can choose between:



- Date format
This option offers two variations for date format.
- 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 date format you want and confirm your choice with the *OK* button.

Set


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



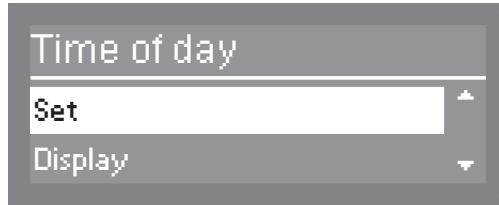
- Use the arrow buttons \wedge (higher) and \vee (lower) to set the day, month and year and confirm each entry using the *OK* button.

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

Setting the time of day

- Select the Settings  menu.
- Select Time of day and confirm your choice 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.
- Clock display
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 choice with the *OK* button.



- Use the arrow buttons \wedge (higher) and \vee (lower) to set the hours and minutes and confirm each entry using 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 Further 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 choice 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 “Switch off after duration”.
- On
The time of day is constantly displayed.
- On for 60 seconds
The time of day is displayed for 60 seconds. The dishwasher switches itself off once the 60 seconds have elapsed.

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

Clock display

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

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




- 12 h (am / pm)
- 24 h

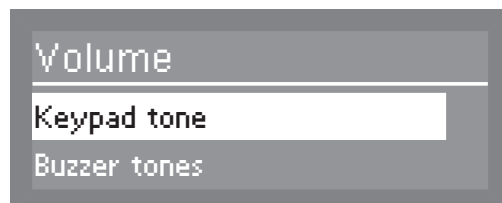
- Select the format you want and confirm your choice with the **OK** button.

Regulating the volume

The dishwasher has audible tones which sound when buttons on the keypad are pressed, at the end of a programme 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 of the tone which sounds when one of the buttons is pressed.
- Buzzer tones
Set the buzzer volume for programme end and for warning messages.

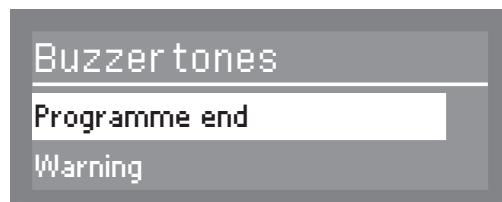
Keypad tone

- Select Keypad tone and confirm your choice with the *OK* button.
- Set the volume you want (see “Setting the volume”) and confirm your choice with the *OK* button.

Buzzer tones

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

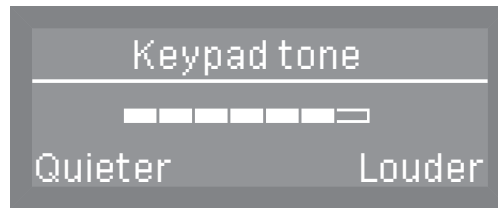
The following options are available:



- Programme end
Set the buzzer tone at the end of the programme.
 - Warning
Set the buzzer tone for warning messages.
- Select the appropriate option and confirm your choice with the *OK* button.
 - Set the volume you want (see “Setting the volume”) and confirm your choice with the *OK* button.

**Setting
the volume**

The volume is always set in the same way. The display is also similar, e.g.:



- Set the volume using the arrow buttons \wedge (louder) and \vee (quieter).

The volume level is represented by a bar chart. On the lowest setting the tone is switched off.

- Confirm the volume set with the *OK* button.

If there is no further input for approx. 15 seconds, the display will revert to the previous menu without saving the setting.

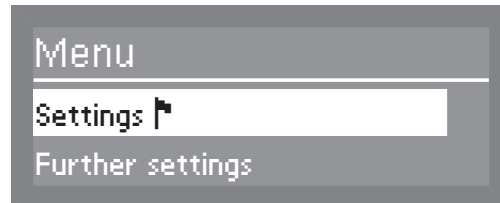
Further settings

Opening the “Further settings” menu

To open the “Further settings” menu:

- Switch the dishwasher off.
- Press and hold the ↵ button and switch the dishwasher on using the ⏻ button.

After that, the display will show the following, for example:



If the ↵ button is pressed in this menu, the dishwasher will revert to normal operation.

- Select Further settings and press *OK* to open the relevant menu.

Options under Further settings

This menu can be protected with a code (see “Further settings, Code”).

- Code
Access rights via a code and settings can be administered (see “Code”)
- Log book
Displays consumption levels for agents used as well as operating hours (see “Log book”)
- Temperature unit
The temperature can be displayed in °C or °F (see “Temperature unit”)
- Move programme
Programmes can be allocated to the short cut buttons (see “Move programme”)
- Additional functions
Programme parameters such as water intake, interim rinses, temperatures and holding times as well as cleaning agent concentration levels for the DOS modules can be adapted with this function (see “Additional functions”)
- Release programme
You can specify which programmes are visible in the display (see “Release programme”)
- Water hardness
This option is used for setting the water hardness level (see “Water hardness”)

- Display view
The display can show the Actual temperature or the Required temperature (see “Display view”)
- Display
The display contrast and brightness can be adjusted (see “Display”)
- Switch off after
Automatic switch off can be activated or deactivated (see “Switch off after”)
- Factory default
All parameters can be reset to the factory default settings (see “Factory default setting”)
- Software version
The software version can be viewed (see “Software version”)

Further settings

Menu structure

Factory defaults are shown.

Menu	Submenu 1	Submenu 2	Submenu 3
1. Code	Release Change code	Further settings Enter code	Yes ✓ Block
2. Log book	Consumption: Water Consumpt.: Clean. agent Consumpt.: Rinsing agent Operating hours Wash cycles Service interval		
3. Temperature unit	°C ✓ °F		
4. Move programme	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 agent DOS 1 DOS 4 Short Universal Intensive etc.	Active Inactive DOS venting Concentration Change name Reset Main wash Final rinse
6. Release programme	All ✓ Selection	✓ Short ✓ Universal etc. Accept	
7. Water hardness			

Further settings

Menu	Submenu 1	Submenu 2	Submenu 3
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 ✓ Programme settings only All settings	
12. Software version	EB Id: XXXX EGL Id: XXXX EZL Id: XXXX EFU Id: XXXX		

Further settings

PIN code

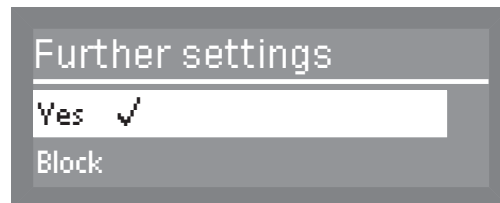
A PIN code can be used to prevent unauthorised access to various functions and system settings on the commercial dishwasher.

- Select the Further settings menu.
- Select Code and press *OK* to open the relevant menu.
 - Release
Restrict access to the Further settings menu to users with administrative rights only, or allow access to all users.
 - Change code
Set a new PIN code.

Approval

- Select the Release option and confirm your choice with the *OK* button.
- Select Further settings and confirm your choice 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 tick ✓ 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 “Entering the PIN code”).
- Then enter a new PIN code.
- Save the new PIN code by confirming the last digit.

Entering the PIN code

If in the Release menu you have selected Block or if you have set the Further settings menu up for access via a PIN code, you have to enter the PIN code.

Settings within the Further settings menu can then only be changed by people with administrative rights.

The PIN code is set at the factory to 8 0 0 0 if access in Further settings is blocked.

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



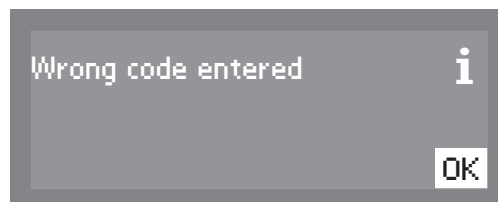
- Use the \wedge and \vee arrow buttons to enter the numerical values, and confirm each entry with the OK button.

Each press of the OK button takes the highlighting to the next input position automatically.

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.

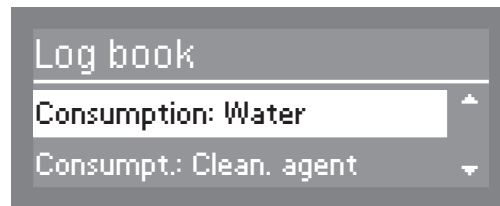
The display will then revert to the input menu.

Log book

The dishwasher controls measure the consumption levels for water, cleaning agent and rinsing agent. They also calculate the number of hours the dishwasher has been run for, how many programmes have been run and measure the service intervals.

- Select the Further settings menu.
- Select Log book and press *OK* to open the relevant menu.

The following options are available:



- Consumption: Water
Display the total amount of water used in litres.
 - Consumpt.: Clean. agent
Display the total amount of cleaning agent used in litres (only for dishwashers using a DOS module).
 - Consumpt.: Rinsing agent
Display the total amount of rinsing agent used in litres.
 - Operating hours
Display the total number of operating hours.
 - Wash cycles
Display the total number of programmes run.
 - Service interval
Display the date when the next service is due.
- Select the option you want and confirm your choice with the *OK* button.

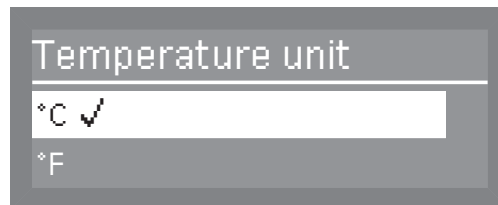
The value will then be displayed.

Pressing the *OK* button takes you to the next level.

Temperature unit

The temperature can be shown in the display in degrees Celsius or degrees Fahrenheit.

- Select the Further 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 \wedge and \vee arrow buttons to select the option you want and confirm your choice with the *OK* button.

Further settings

Move programme

You can change the order of the programmes and therefore also the allocation of the shortcut buttons.

You can move the programmes you use most frequently to programme places 1-3. These are then automatically allocated to the shortcut buttons.

- Select the Further settings menu.
- Select Move programme and confirm your choice with the *OK* button.

Short cut buttons Programmes are displayed in their current order.



- Use the \wedge and \vee buttons to select a programme from the list that you wish to move, and then confirm your choice with the *OK* button.

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



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

Moving a programme forwards moves the programmes after it down a position.

Moving a programme to the end of the list moves the programmes in front of it up a position.

Additional functions

With these functions, it is possible to adjust individual parameters to adapt programme sequences to particular types of soiling and optimise cleaning results.

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

In the following menu, you can choose between:

- Reset
Reset all of the parameters changed under the “Additional functions” menu to their factory defaults.
 - Increased water level
Increase the amount of water used in all wash programmes.
 - Interim rinse
Include an interim rinse in all programmes that support this feature (see “Programme chart”).
 - Dispensing system
Vent the dispensing systems and change the name of the dispensing modules.
 - Temperature / time
Change the temperature and holding time for the main wash and final rinse stages of a wash programme.
- Select the **Reset** option and confirm your choice with the **OK** button.

Resetting



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

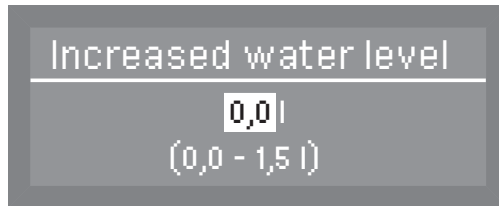
All parameters that have been changed under “Additional functions” will be reset to the factory default setting.

Further settings

Increased water level

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

The amount of water is shown in litres and can be increased in 0.5 litre increments up to 1.5 litres.

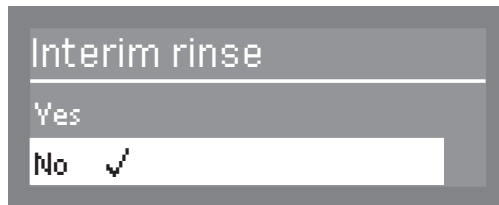


- Use the arrow buttons \wedge (higher) and \vee (lower) to select the amount of water you want and confirm your choice with the *OK* button.

Interim rinse

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

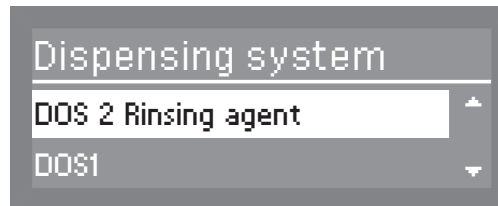
The following options are available:



- Yes
Interim rinse activated.
 - No
Interim rinse not activated.
- Select the option you want and confirm your choice with the *OK* button.

DOS dispensing system

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



- Select the dispensing system you want and confirm your choice with the *OK* button.

The following options are available:



- Active
Dispensing system activated.
- Inactive
Dispensing system not activated.
- DOS venting
This vents the dispensing system to ensure reliable dispensing.
- Concentration
The concentration level of cleaning agent and/or rinsing agent can be set to suit requirements.
- Change name
The name of the dispenser can be changed.

With DOS 2 Rinsing agent the only option displayed is Concentration.

The options DOS venting, Concentration and Change name are only visible if Active has been selected

Further settings

DOS venting

⚠ To avoid damage to the dispensing system, make sure before venting that the containers for cleaning agent and rinsing agent are sufficiently filled and the dispensing siphons are screwed securely to the containers.

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

The dishwasher will now start the automatic venting process of the dispenser system.

Dispensing system DOS venting will appear in the display.

As soon as the process has finished, Dispensing system DOS successfully vented will appear in the display.

- Confirm the message with the *OK* button.

Setting the DOS concentration level

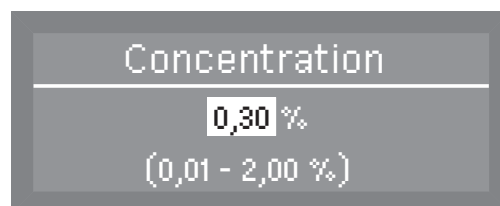
Please observe dispensing recommendations made by the manufacturer of the agent.

- 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 %.

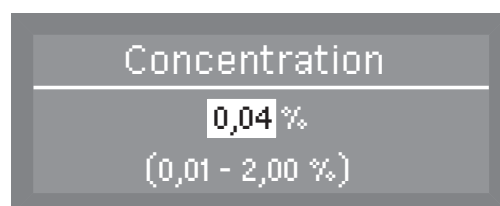
The concentration level set then applies to all programmes.

Display for DOS1:



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

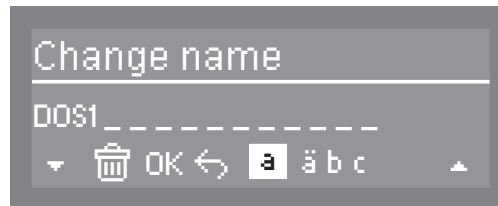
Display for DOS2 Rinsing agent and DOS4:



- Use the arrow buttons \wedge (higher) \vee (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 choice 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.

- Navigate using the arrow buttons to shift the cursor to the option required: **^** (moves to the right) and **v** (moves to the left).
- 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
- 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 given press the **↵** symbol.

Further settings

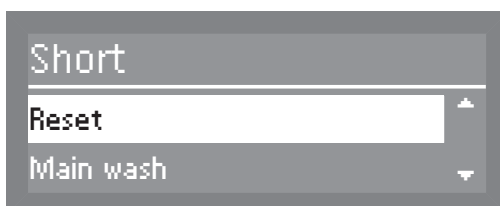
Temperature / Time

The temperature and holding time for the main wash and final rinse phases can be altered in some programmes (see “Programme chart”).

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



The following options are available:

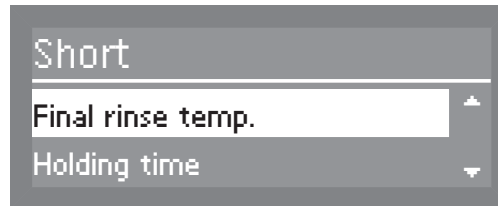


- Reset
This resets values changed in a programme back to their factory default settings.
- Main wash
This is used to alter the temperature and the holding time in the main wash.
- Final rinse
This is used to alter the temperature and the holding time in the final rinse.

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 wash programme you want and confirm your choice with the *OK* button.

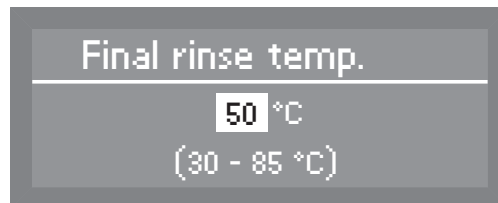
The following options are available:

- Temperature / Final rinse temp.
The temperature for the main wash or the final rinse 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 the final rinse can be changed from 30 to 85 °C in 1 °C increments.



- Use the arrow buttons \wedge (higher) \vee (lower) to set the temperature you want and confirm your choice with the *OK* button.

Further settings

Holding time

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

The holding time is set in minutes and can be set between 0 and 10 minutes in 1 minute increments.

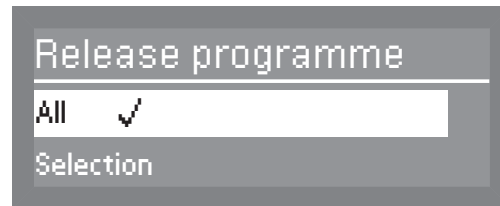


- Use the arrow buttons \wedge (higher) \vee (lower) to set the holding time you want and confirm your choice with the *OK* button.

Releasing programmes

Individual programmes can be blocked so that they cannot be used. All programmes are released for use as default.

- Select the Further settings menu.

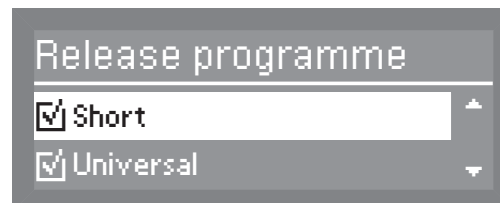


- Select Release programme and press OK to open the relevant menu.

The following options are available:

- All
All programmes are released for use.
- Selection
Individual programmes can be blocked.

- Select Selection and confirm your choice with the OK button.



- Select the programmes that you want to block from use and press the OK button.

The tick ✓ will be removed from the box ☐ and the programme cannot then be used.

- To save your selection, select Accept at the end of the programme list and confirm your choice with the OK button.

If programmes have been blocked, Selection✓ is selected when Release programme is opened again.

Blocking programmes

Further settings

Water hardness

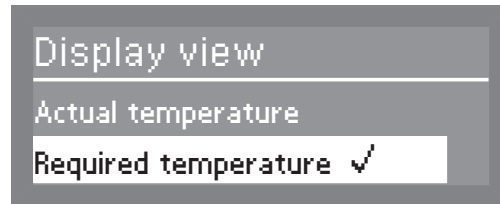
You can use this menu to set the water softener to the water hardness of the mains supply.

For further information see “Filling the salt reservoir”.

Display view

During a programme the Actual or Required temperature can be shown in the second line of the display.

- Select the Further settings menu.



- Select Display view and press *OK* to open the relevant menu.

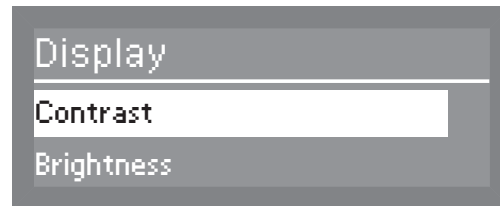
The following options are available:

- Actual temperature
Display the actual temperature during a programme (this value will vary during the course of the programme).
 - Required temperature
Display the required temperature for the main wash or the final rinse (the maximum value is displayed as a static value. It will change from one programme block to the next).
- Select the option you want and confirm your choice with the *OK* button.

Display

The display menu can be used for altering the display contrast and brightness.

- Select the Further settings menu.



- Select Display and press *OK* to open the relevant menu.

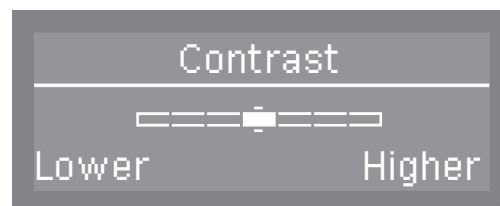
The following options are available:

- Contrast
Set the contrast.
- Brightness
Set the brightness.

Contrast

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

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



- Use the arrow buttons \wedge (higher) \vee (lower) to set the contrast you want and confirm your choice with the *OK* button.

Brightness

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


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



- Use the arrow buttons \wedge (brighter) \vee (darker) to set the brightness you want and confirm your choice with the *OK* button.

Further settings

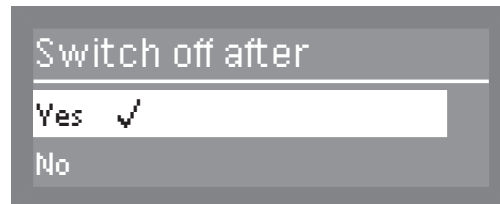
Switch off after

When not in use, the commercial dishwasher can be switched off to save energy or be placed in standby mode by selecting an option from the Settings , Time of day, Display menu.

The clock display will be visible in standby mode.

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

The following options are available:

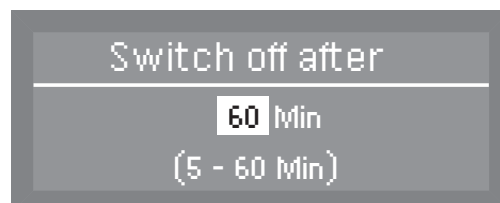


- Yes
The "Switch off after" option is active and you can specify a time period after which the machine switches off.
- No
The "Switch off after" option is not active.

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 after time is set to 60 minutes. A time of between 5 and 60 minutes can be set in 5-minute increments.

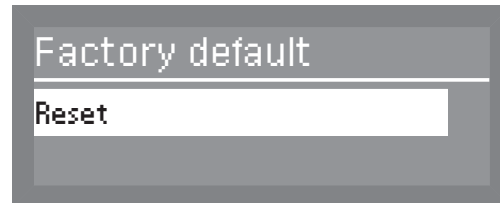


- Use the arrow buttons \wedge (higher) \vee (lower) to set the switch-off time, and confirm your entry with the *OK* button.

Factory default setting

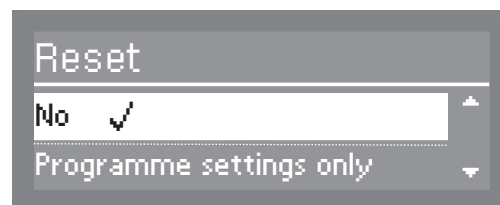
The Factory default setting can be used to reset all changed parameters in the commercial dishwasher back to their factory default settings or just values that have been changed for programmes.

- Select the Further settings menu.



- Select Factory default and press *OK* to open the relevant menu.

The following options are available:



- No
Altered parameters will not be reset to their default settings.
 - Programme settings only
Only settings that have been altered in programmes will be reset to their factory defaults.
 - All settings
All parameters that have been altered on the commercial dishwasher will be reset to their factory defaults.
- Select the desired option and confirm your selection with the *OK* button.

Selecting Programme settings only or All settings restarts the commercial 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 be saved and the last programme used will appear in the display.

Further settings

Software version

This displays the various software components.

- Select the Further settings menu.
- Select Software version and press *OK* to open the relevant menu.



Software for individual units is displayed. XXXX denotes the version.

- EB Id: XXXX
Control and display elements.
- EGL Id: XXXX
Control board.
- EZL Id: XXXX
Relay board.
- EFU Id: XXXX
Frequency converter.

Alterations and updates to software can only be carried out by an authorised Miele service technician.

Periodic checks

To prolong the service life of the dishwasher, maintenance should be carried out **at least once a year** by the Miele Customer Service Department.

Maintenance covers the following:

- Electrical safety according to national regulations (e.g. VDE 0701/0702 in Germany)
- Door mechanism and door seal
- Any screw connections and connectors in the wash chamber
- Water inlet and drainage
- Internal and external dispensing systems
- Spray arms
- Filter combination
- Sump including drain pump and non-return valve
- All baskets and inserts

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

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

Cleaning and care

⚠ Remove any soiling from the control panel and from the front of the dishwasher straight away.
Soiling that is left too long might become impossible to remove and could cause the external surfaces to alter or discolour.

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

Cleaning the control panel

- Only clean the control panel with warm water and liquid dish soap, applied with a soft sponge or cloth. Then dry the control panel with a soft cloth.

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

Cleaning the door front

- To clean the stainless steel front, use a damp cloth with a solution of washing-up liquid and hot water, or with a non-abrasive cleaning agent for use on stainless steel.

To help prevent re-soiling (fingerprints, etc.), a suitable stainless steel conditioner (available from Miele) can be used after cleaning.

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

⚠ Do not hose the dishwasher or near vicinity down to clean it, e.g. with a hosepipe or a pressure washer.

Cleaning the wash cabinet

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

If, despite this, limescale 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 and the hinges of the dishwasher door.
- With freestanding dishwashers that have a plinth facing, remove spillages of food and beverages from the channel that runs below the door.

⚠ Be cautious of sharp edges when cleaning.
There is a risk of cutting yourself.

These surfaces are outside the wash chamber. Water from the spray arms does not reach them. As a result, mould can develop here.

Cleaning the filters in the wash cabinet

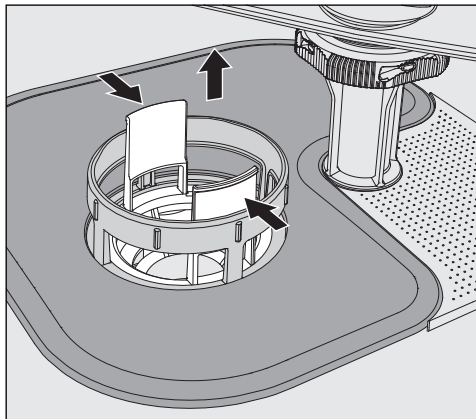
The filter combination in the base of the wash cabinet retains coarse soil from the suds solution, preventing it accessing the circulation system and causing blockages in the spray arms.

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

The filters must be checked regularly and cleaned when necessary.

⚠ Warning!
Danger of injury on glass splinters.

Cleaning the coarse filter

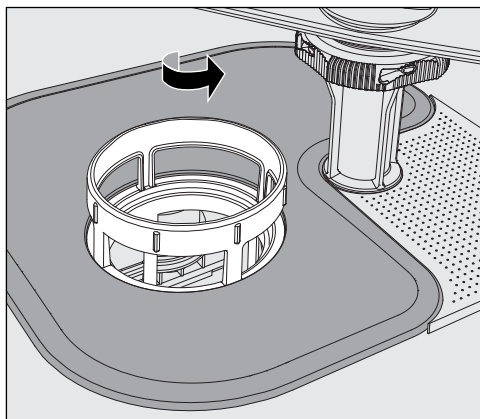


- Press the catches towards each other and remove the coarse filter.
- Rinse the filter thoroughly under running water. If necessary use a soft washing-up brush to remove soiling.
- Replace the filter making sure it engages correctly.

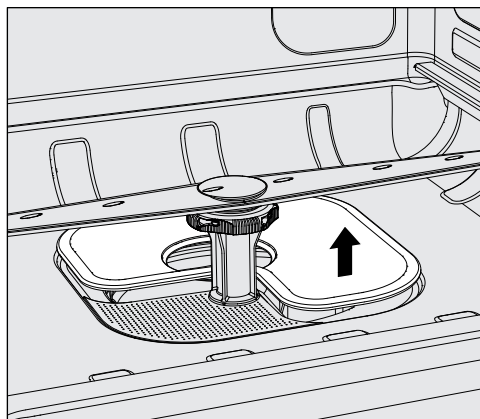
Cleaning and care

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 washing-up 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.

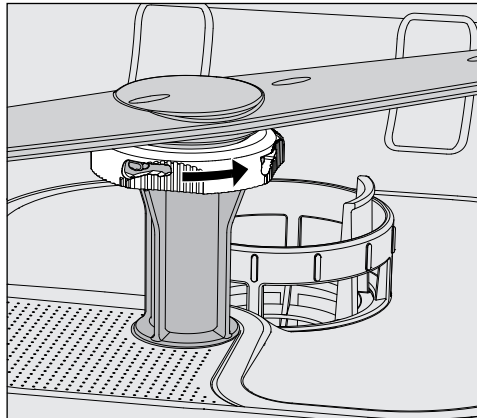
- Switch the dishwasher off.
- Pull the **upper spray arm** downwards to remove it.

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

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

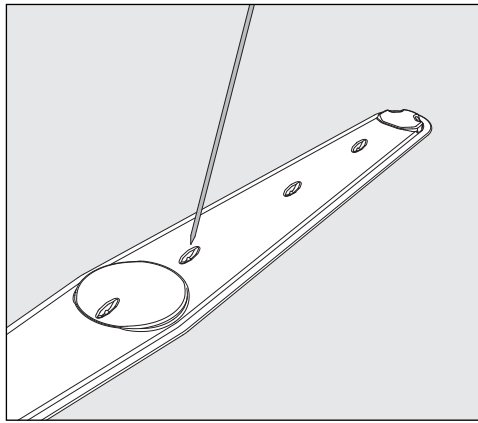
To release the bayonet fitting proceed as follows:

- 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** in the direction of the arrow as far as it will go and then pull the spray arm upwards to remove it.

Cleaning and care




- Use a pointed object to push food particles into the spray arm jets.
- 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 aid of the following guide, most minor problems can be corrected without contacting Miele. You can save time and money in many cases, as you do not need to call the Miele Customer Service Department.

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

 Repairs must only be carried out by the Miele Customer Service Department, an authorised Miele dealer or a suitably qualified technician in accordance with local and national safety regulations. Unauthorised or incorrect repairs can cause considerable danger to users.

Faults with water inlet or drainage

Problem	Cause and remedy
The display remains dark and the Start/Stop display light is not flashing after the dishwasher has been switched on with the  button.	The machine is not plugged in. ■ Insert the plug and switch on at the socket.
	The circuit breaker has tripped. ■ Reset the trip switch in the circuit breaker box (see data plate for minimum protection rating).
The dishwasher stops during a programme	The circuit breaker has tripped. ■ Reset the trip switch in the circuit breaker box (see data plate for minimum protection rating). ■ If the circuit breaker trips again, contact the Miele Customer Service Department.
Interruption to the power supply during operation	If a temporary interruption to the power supply occurs during a programme sequence, no action is required. The programme will continue after the interruption. If the temperature in the wash cabinet drops below the minimum value required for the programme block during the interruption to the power supply, the programme block will be repeated. If there has been an interruption to the power supply of ≥ 20 hours, the entire programme will be repeated.
One of the following faults appears in the display:	Before rectifying the problem: ■ Switch the dishwasher off with the  button.
Check water inlet	Water inlet fault. ■ Open the stopcock fully. ■ Clean the filter in the water inlet (see “Cleaning and care”).






Problem solving guide

Problem	Cause and remedy
Fault 403-405	<p>If Check water inlet appears in the display, the control unit is checking the water intake approx. every 30 seconds. If, after three attempts, water is not getting into the dishwasher, one of these fault numbers will appear in the display and the programme will be cancelled.</p> <ul style="list-style-type: none"> ■ Open the stopcock fully. ■ Switch the dishwasher back on. ■ Select the programme you want. ■ Press the <i>Start/Stop</i> button.
Fault 406-408	<p>Water inlet fault. One of these fault numbers will appear in the display if the flow pressure is too low and the programme will be cancelled.</p> <ul style="list-style-type: none"> ■ The flow pressure at the water intake point is too low (see "Technical data"). Contact Miele Service for advice.
Fault 412-414	<p>Water inlet fault. One of these fault numbers will appear in the display if the flow pressure is too high and the programme will be cancelled.</p> <ul style="list-style-type: none"> ■ The flow pressure at the water intake point is too high (see "Technical data"). Contact Miele Service for advice.
Check drainage	<p>Drain fault. There might be water in the wash cabinet.</p> <ul style="list-style-type: none"> ■ Clean the filter combination (see "Cleaning and care"). ■ Clean the drain pump (see "Maintenance"). ■ Clean the non-return valve (see "Maintenance"). ■ Remove any kink or loop in the drain hose.
Fault 433	<p>The door was obstructed when closing and cannot be drawn into the final closed position.</p> <ul style="list-style-type: none"> ■ Remove the obstruction from the vicinity of the door.
Fault 438	<p>Heavy objects in front of the dishwasher can impede the automatic opening of the door by the Comfort lock.</p> <ul style="list-style-type: none"> ■ Do not place heavy objects in front of the door of the machine.
Fault 492, 504, 541	<p>The programme has not started properly. There might be water in the wash cabinet.</p> <ul style="list-style-type: none"> ■ Clean the filter combination (see "Cleaning and care"). ■ Clean the non-return valve (see "Maintenance").
Fault 550	<p>The Waterproof system has reacted.</p> <ul style="list-style-type: none"> ■ Close the stopcock. ■ Call the Miele Service Department.



Problem	Cause and remedy
Fault 578	<p>The peak load cut-out has lasted longer than 3 hours.</p> <ul style="list-style-type: none"> ■ Have your electrical system and your energy management system tested by a suitably qualified person.
Fault XXX (XXX stands for a number)	<p>There may be a technical fault.</p> <p>After 10 seconds:</p> <ul style="list-style-type: none"> ■ Switch the dishwasher back on. ■ Select the programme you want. ■ Press the <i>Start/Stop</i> button. <p>If the fault message appears again, there is a technical fault.</p> <ul style="list-style-type: none"> ■ Call the Miele Service Department.

Problem solving guide

Door

Problem	Cause and remedy
The door opens again after being closed	<p>If the door is closed with too much force, the comfort door locking mechanism will open it again.</p> <ul style="list-style-type: none"> ■ Guide the door into the door lock with less force.
Door blocked	<p>Protruding wash load item obstructing the door.</p> <ul style="list-style-type: none"> ■ Sort the wash load so that that it does not obstruct the door. ■ Close the door.
	<p>The Comfort door lock is blocked.</p> <ul style="list-style-type: none"> ■ Try to open the door carefully (without using force) by pulling on the door handle. <p>If the door is still blocked:</p> <ul style="list-style-type: none"> ■ Open the door using the emergency release. ■ Close the door and try to open it again using the  button. <p>If it is still blocked:</p> <ul style="list-style-type: none"> ■ Contact the Miele Service Department.
Warning. Cabinet hot! Open anyway?	<p>When pressing the  button, be aware that the temperature in the wash cabinet is over 70 °C.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p> When the door is opened, hot steam and chemical agents can escape!</p> </div> <ul style="list-style-type: none"> ■ Open the door only when strictly necessary.
The door is open a fraction and cannot be closed using the  button.	<p>This is not a fault.</p> <p>The Comfort door lock has opened the door slightly at the end of the programme.</p> <ul style="list-style-type: none"> ■ Open the door. The door can now be closed completely again using the  button.
Obstruction sensor	<p>This is not a fault.</p> <p>The door is locked while the door locking mechanism retracts to the lock position.</p> <ul style="list-style-type: none"> ■ Open the door and wait until the door locking mechanism reaches its final position.

General problems with the dishwasher

Problem	Cause and remedy
The dishwasher fails to react when buttons are pressed. The display and indicator lights remain dark.	The dishwasher has switched itself off after the set “switch off after” period to save energy. ■ Press the  button to switch the dishwasher back on.
The following fault message appears in the display: Salt container lid not properly closed	The salt reservoir lid has not been closed properly. ■ Close the salt reservoir lid.
The cleaning agent dispenser lid cannot be closed properly.	Residual cleaning agent is blocking the catch. ■ Remove the cleaning agent.
At the end of a programme there is a film of moisture on the inside of the door and the interior cabinet walls.	This is not a fault. It is caused by the drying system. The moisture will dissipate after a short while.
Water remains in the wash cabinet at the end of a programme.	Before rectifying the problem: ■ Switch the dishwasher off with 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 may be blocked. ■ Clean the drain pump or the non-return valve (see “Maintenance”).
	The drain hose kinked. ■ Remove any kink from the drain hose.
	The on-site drain siphon is blocked. ■ Check and clean the drain siphon.
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 negotiation.

Problem solving guide

Noises

Problem	Cause and remedy
Knocking noise in the wash cabinet.	A spray arm is knocking against an item in a basket. ■ Interrupt the programme, and rearrange the items which are obstructing the spray arm.
Rattling noise in the wash cabinet.	Items are insecure in the wash cabinet. ■ Interrupt the programme, and rearrange the load.
	A foreign object (e.g. a cherry stone) has become lodged in the drain pump. ■ Remove the foreign object from the drain pump (see “Maintenance, Cleaning the drain pump and non-return valve”).
Knocking noise in the water pipes	This may be caused by the on-site installation or the cross-section of the piping. However, this will not affect the functioning of the dishwasher in any way. ■ If in doubt, contact a suitably qualified plumber.

Unsatisfactory washing result


Problem	Cause and remedy
The crockery is not clean.	The crockery was not loaded correctly. ■ Please observe the instructions in “Loading the dishwasher”.
	The programme was not suitable for the load. ■ Select a suitable programme (see “Programme chart”).
	Not enough cleaning agent was dispensed. ■ Increase the quantity of cleaning agent.
	The cleaning agent used is not suitable for the type of soiling present. ■ Switch to another cleaning agent.
	Items are blocking the path of the spray arms. ■ Carry out a rotation check and if needed, rearrange the items so that the spray arms can rotate freely.
	The filter combination in the wash cabinet is not clean or was incorrectly fitted. This may have caused the spray arm jets to become blocked. ■ Clean and/or fit the filter combination correctly. ■ Clean the spray arm jets, if necessary (see “Cleaning and care”).
	The non-return valve is open and blocked. Dirty water has flowed back into the wash cabinet. ■ Clean the drain pump and the non-return valve (see “Problem solving guide”).
	If necessary, alter the temperature and/or the holding time of the programme being used. ■ Change the relevant parameters for the programme. (see “Further 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 rinsing agent dosage is set too high. ■ Reduce the dosage (see “Further settings, Additional functions, Dispensing systems”).
Crockery is not dry or cutlery and glasses are flecked.	The rinsing agent dosage is set too low or the rinsing agent reservoir or container is empty. ■ Replenish the rinsing agent, increase the dosage or change the brand of rinsing agent used (see “Adding rinsing agent”).

Problem solving guide

Problem	Cause and remedy
White residue is visible on crockery and cutlery, clouding occurs on glassware; film can be wiped off.	The rinsing agent dosage is set too low. ■ Increase the dosage (see “Further settings, Additional functions, Dispensing system”).
	There is no salt in the salt reservoir. ■ Fill the salt reservoir (see “Filling the salt reservoir”).
	The water softener is programmed to too low a water hardness level. ■ Programme the water softener to the correct value (see “Further settings, Water hardness”).
Glassware has a brown or blue tinge, and film cannot be wiped off.	This may be caused by the ingredients of the cleaning agent. ■ Switch to another cleaning agent.
Glassware is dull and discoloured; film cannot be wiped off.	The glassware is not dishwasher-proof. The surfaces are affected. ■ Purchase glassware which is dishwasher-proof.
Tea or lipstick stains have not been completely removed.	The wash temperature of the selected programme was too low. ■ Select a programme with a higher main wash temperature.
	The bleaching effect of the cleaning agent used is too low. ■ Switch to another cleaning agent.
Plastic items are discoloured.	Natural dyes e.g. from carrots or tomatoes 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, Detergent”). Discoloured plastic items will not regain their original colour.
There are rust stains on cutlery.	The affected items are not corrosion-resistant. ■ Purchase cutlery that is dishwasher-safe.
	The “Cold” programme was not run after dishwasher salt was added. Traces of salt have got into the normal wash cycle. ■ Always run the “Cold” programme without any load items after refilling the salt.
	Rust or superficial rust has built up in the wash cabinet, e.g. due to an excessively high iron content in the water or rust on other load items. ■ Discard any rusty load items.

Cleaning the water inlet filter

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

 The plastic housing of the water connection contains an electrical valve.

The housing must not be dipped in water.

Recommendation

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

This water filter is available from a Miele dealer or from the Miele Customer Service Department.

- To clean the filter:**
- Disconnect the dishwasher from the mains.
To do this, turn off the dishwasher, switch off at the socket and unplug it.
 - Close the stopcock.
 - Unscrew the water intake valve.
 - Remove the seal from the screw thread.
 - Withdraw the filter using combination or pointed pliers and rinse clean under running water.
 - Refit the filter and seal. Make sure they are fitted correctly.
 - Screw the water intake valve to the stopcock. Make sure not to cross-thread the connection.
 - Open the stopcock.

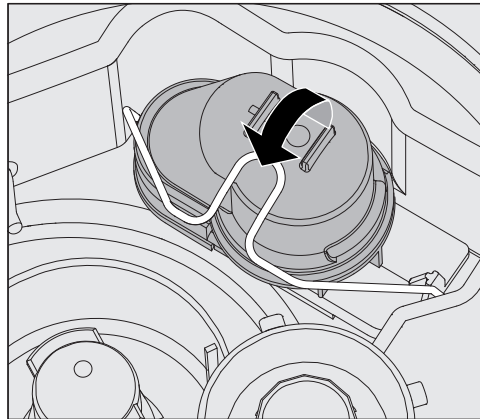
If water leaks out, the screw connection may not be connected securely or it may have been screwed on at an angle.

- Fit the water intake valve straight and screw it in place.

Cleaning the drain pump and non-return valve

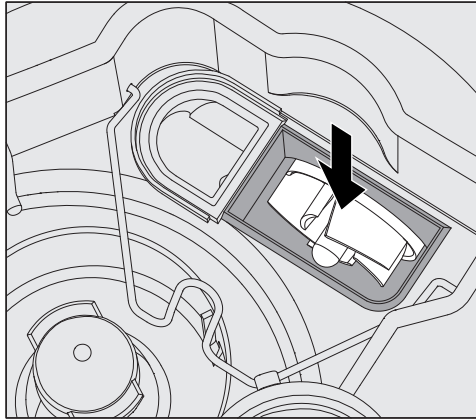
If water has not pumped away at the end of a programme, there may be a foreign object in the drain pump or blocking the non-return valve. These are easy to remove.

- Disconnect the dishwasher from the mains (switch 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.

Programme chart

Programme	When to use	Powder cleaning agent (if liquid cleaning agent is not being used)
		The following dosages are based on Miele cleaning agents. Please follow manufacturer's instructions on dosage
Short	"Quick programme" for lightly soiled crockery with fresh, easily removed food residues.	20 - 25 g or 1 Tab in the cleaning agent dispenser
Universal	For normally soiled crockery.	20 - 25 g or 1 Tab in the cleaning agent dispenser
Intensive	For heavily soiled crockery.	20 - 25 g or 1 Tab in the cleaning agent dispenser
 Glasses	Special glassware programme.	20 - 25 g or 1 tab in the cleaning agent dispenser
Utensils	Special programme for cutlery.	20 - 25 g or 1 Tab in the cleaning agent dispenser
Plastics	Special programme for plastic items and other lightweight items.	20 - 25 g or 1 Tab in the cleaning agent dispenser
 Reactivation	Manual reactivation. This can be run to avoid being forced to run a reactivation programme during busy periods.	
Cold	Use for rinsing heavily soiled items and to prevent soiling drying on. Also used for flushing salt out of the cabinet after refilling the salt container.	
Drain	For draining water out of the dishwasher, for example when a programme has been cancelled.	

Programme chart

Programme sequence						
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 66 °C 1 min		(X)	X 85 °C 1 min	(X)
X		X 66 °C 1 min	X	(X)	X 85 °C 1 min	(X)
X	X	X 66 °C 3 min	X	(X)	X 85 °C 1 min	(X)
		X 50 °C 1 min	X	(X)	X 50 °C 1 min	(X)
	X	X 60 °C 2 min	X	(X)	X 55 °C 1 min	(X)
X		X 50 °C 5 min	X	(X)	X 60 °C 1 min	(X)
Reactivation sequence			X			
	X					

X = sections included in a programme

(X) = optional sections which can be selected (see “Further settings, Additional functions”)

(1) Temperature range 30 - 85°C (see “Further settings, Additional functions”).

(2) Holding time range 0 - 10 minutes (see “Further settings, Additional functions”).

Customer Service Department

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

- Your Miele dealer
- The Miele Customer Service Department

Contact details for Miele are provided at the back of these operating instructions.

■ When contacting the Customer Service Department, you will need the model number and 8-digit machine number of the dishwasher.

Both are 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 commercial dishwasher should be designed for commercial use.

The commercial dishwasher must be installed in a secure and level position. Any unevenness in the floor level and height of the machine can be compensated for by adjusting the four feet.

If the dishwasher is to be installed next to other appliances and furniture or in a recess, an installation space measuring at least 600 mm wide and 600 mm deep is required.

Building under

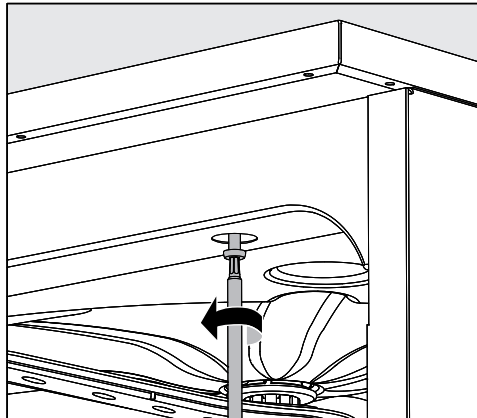
⚠ To ensure the stability of built-under commercial dishwashers, these units may only be installed beneath a continuous countertop that is bolted to adjacent cabinetry.

If the dishwasher is to be installed beneath a continuous countertop, an installation space measuring at least 600 mm wide, 600 mm deep and 820 mm high is required.

When adjusting the dishwasher height, the feet must not be unscrewed by more than 60 mm.

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

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

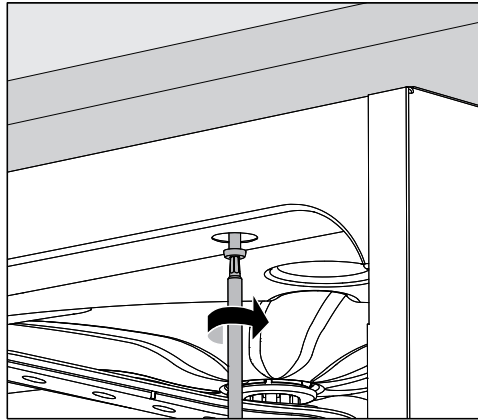


- Unscrew the left and right fastening screws with a screwdriver.
- Lift the machine lid upwards to remove.

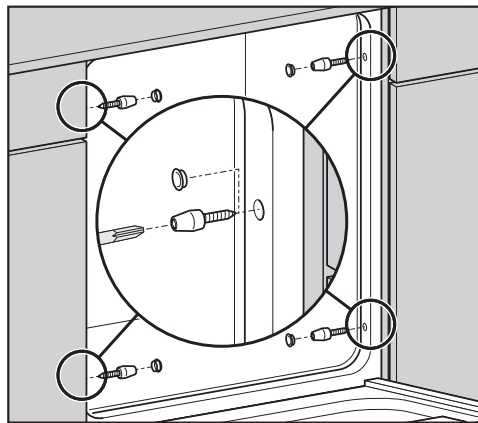
Installation

Levelling and securing the dishwasher

To guarantee stability the dishwasher must be secured to the worktop after levelling.



- After levelling, secure the dishwasher to the continuous worktop. With the door open, screw into the worktop through the holes in the front trim on the left and right hand sides of the dishwasher.



With stainless steel or stone worktops the dishwasher must be secured at the sides to the left and right adjacent cupboards with two screws on each side.

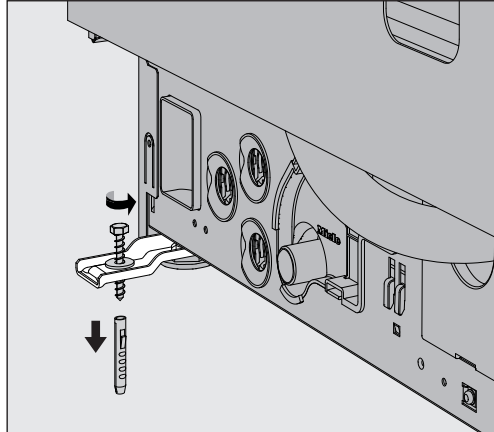
Special screws (4 x 27 / Torx T20) are supplied in the accessory pack. Holes must be drilled in the side wall in front of the door seal for this.

The gaps between built-under appliances and adjacent cabinetry must not be filled with silicone sealant as this could compromise the ventilation of the circulation pump.

Depending on the building-under situation, the stainless steel cover plate supplied can be used to protect the lower edge of the worktop against steam damage.

Floor anchoring

The dishwasher must be prevented from tilting or moving by anchoring both rear machine feet to the floor.



- Fix the floor anchoring to the floor at the same distance as the two rear machine feet using the anchoring kit supplied.
- If necessary, adapt the anchoring to the respective ground conditions on site.
- Slide the dishwasher into the designated holder of the floor anchoring.


Moving the dishwasher

Before moving the dishwasher screw in the adjusting feet fully so that they do not get damaged.

⚠ Do not lift the dishwasher by any protruding components, e.g. the control panel.
This could break off.

⚠ Only transport the dishwasher on a sack barrow in its original packaging. For subsequent moves the dishwasher must be placed on a continuous base to avoid damage.

Electrical connection

 All electrical work must be carried out by a suitably qualified and competent person in accordance with local and national safety regulations.


- In the U.K. it must comply with BS 7671.
- Connection to the power supply must be made via a suitable plug and socket which conforms to national regulations and must be accessible for service and maintenance work after the machine has been installed.
- For hard-wired machines, connection should be made via a suitable mains switch with all-pole isolation which when in the off position ensures a 3 mm gap between all open contacts.
- For increased safety, it is recommended to protect the machine with a suitable residual current device (RCD) with a trip current of 30 mA.
- Equipotential bonding should be carried out if required.
- The mains connection cable may only be replaced by an original Miele spare part.
- For technical data see data plate or wiring diagram supplied.

The machine must only be operated with the voltage, frequency and fusing shown on the **data plate**.

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

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

Equipotential bonding connection

There is a screw connection point marked  at the back of the appliance, to which additional equipotential bonding can be connected.

Peak-load negotiation

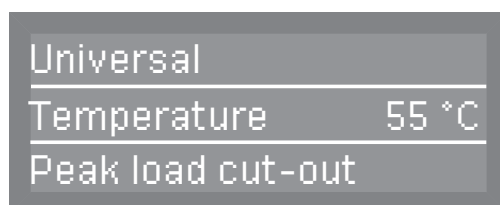
The commercial dishwasher is suitable for use in an energy management system. For this purpose, it must be technically adapted and the controls reset by the Miele Customer Service Department.

Please contact the Miele Customer Service Department for further information.

Peak load management

In the event of a peak-load negotiation, some components of the commercial dishwasher such as the heater element will be switched off for a while. The commercial dishwasher will remain on during this period and the current programme will not be interrupted. If one of the components that is switched off is needed during the current programme stage, the programme duration will simply increase for the duration of the load cut-out.

The third line of the display will alert you to the peak load negotiation, for example:



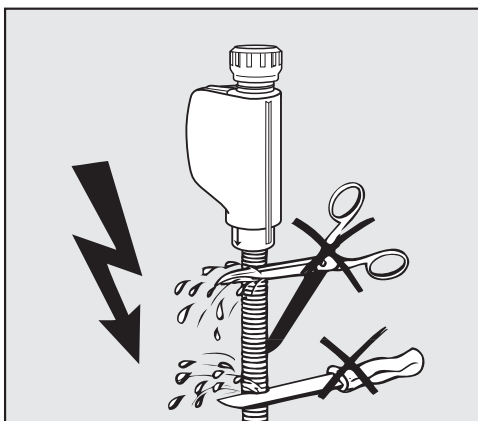
Connecting the water inlet

 The water in the dishwasher is NOT safe to drink!

Do not re-use removable hose attachments. Use the hose supplied with the commercial dishwasher.

- The commercial dishwasher must be connected to the water supply in strict accordance with current local and national water authority regulations.
- The water used must at least comply with national regulations for drinking water quality. If the water supply has a high iron content, there is a danger of corrosion occurring on items being cleaned in the commercial dishwasher, as well as the machine itself. If the chloride content of the water exceeds 100 mg/l the risk of corrosion to items being cleaned in the dishwasher will be further increased.
- In certain regions (e.g. mountainous areas), the typical water composition can cause precipitates to form, which in turn requires the use of softened water for the commercial dishwasher.
- A device for preventing the return flow of water is not necessary, as this commercial dishwasher conforms to the applicable standards for the protection of drinking water. However, if the vessel is moored and connected to a dock supply, then it is the responsibility of the dock to ensure the water supply is adequately protected.
- The water pressure (flow pressure) must amount to at least 200 kPa overpressure (100 kPa = 1 bar). At a water pressure (flow pressure) below 200 kPa (2 bar), the water intake time extends automatically. The maximum permissible static pressure amounts to 1000 kPa (overpressure). If the water pressure does not lie in the 200–1000 kPa (2–10 bar) range, contact the Miele Customer Service Department for advice.
- The commercial dishwasher is supplied as standard for connection to cold water (blue coded hose) **and** hot water up to 60 °C (red coded hose). Connect the inlet hoses to the valves for cold and hot water.
- If no hot water supply is available, the inlet hose with the **red** marking must also be connected to the cold water supply.
- Connect the inlet hose for the steam condenser (without water protection device) to a cold water valve.
- A stopcock valve with a 3/4 inch male thread must be provided on site. It should be easily accessible so that the water inlet can be turned off when the dishwasher is not in use.

- The DN 10 inlet hose is approx. 1.7 m long, terminating in a 3/4 inch female thread. A 1.5 m long flexible metal extension hose tested to 14,000 kPa (140 bar) is available as an optional accessory if required. On no account may the inlet filter in the female thread be removed.
- Install the large-surface filter (included in the accessory pack) between the valve and the inlet hose.
(See “Problem solving guide, Cleaning filters in water inlet” for illustration.)



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

See installation diagram supplied.

Connecting the drain hose

- The dishwasher drainage system is fitted with a non-return valve, which prevents dirty water from flowing back into the dishwasher via the drain hose.
- The dishwasher should preferably be connected to a **separate** on-site drainage system. If no separate connection is available, we recommend connection to a double chamber siphon. The on-site connection must be between 0.3 m and 1 m height, measured from the lower edge of the dishwasher. If the connection is lower than 0.3 m the drain hose must be placed in an arc at least 0.3 m high.
- The dishwasher is equipped with a 1.5 m flexible drain hose with an internal diameter of 22 mm. Hose clips are supplied with the dishwasher.
- The drain hose must not be shortened. The hose can be extended using a connection piece to attach a further length of hose. The drainage length must not be longer than 4 m.
- The drainage system must be able to accommodate a minimum drainage flow of 16 l/min.

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

See installation diagram supplied.

Technical data

Height without lid	82 cm (adjustable + 6.0 cm)
Height freestanding model	83.5 cm (adjustable + 6.0 cm)
Width	59.8 cm
Depth with door open	60 cm 120 cm
Weight (net)	70 kg
Voltage, connected load, fuse rating	See data plate
Mains cable	Approx. 1.7 m
Water temperature: Cold water connection Hot water connection	max. 20 °C max. 65 °C
Static water pressure	max. 1000 kPa
Recommended flow pressure: Cold and hot water connection Water connection for steam condenser	200 kPa 100 kPa
Minimum flow pressure: Cold water connection Hot water connection	100 kPa 40 kPa
Delivery head	min. 0.3 m, max. 1 m
Drainage length	max. 4 m
Ambient temperature	5 °C to 40 °C
Relative humidity maximum linear decreasing to	80 % for temperatures up to 31 °C 50 % for temperatures up to 40 °C
Inlet hoses	Approx. 1.7 m
Drain hose	Approx. 1.5 m
Safety class (according to DIN EN 60529)	IP21
Noise emission values Sound power in LwA Sound pressure in LpA	Built-under dishwasher with wooden beam in front of plinth on Short programme 57 dB(A) 45 dB(A)
Test certificates awarded	EMC, VDE, radio and television suppressed
CE-mark	2006/42/EC Machine guidelines
UKCA mark (UK only)	The Supply of Machinery (Safety) Regulations 2008
Manufacturer's address	Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany

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