Miele
marine

Operating instructions
Commercial dishwasher
PG 8056



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

en - GB

M.-Nr. 10 437 971

Contents

Notes about these instructions 5

Guide to the appliance 6
Overview 6
Control panel 7

Correct application 8

Warning and Safety instructions 10
Correct installation 10
Technical safety 10
Correct use 11
Safety with children 13
Accessories 13
Symbols used 14
Disposal of your old dishwasher 14

Caring for the environment 15

User profiles 16
User groups 16
Daily operators 16
Experienced operators 16

Operation tips 17
Display 17
Menus 18
Symbols in the display 20

Commissioning 21

Opening and closing the door 25
Opening the door 25
Closing the door 25

Filling the salt reservoir 26
Reactivation 26
Setting the water hardness level 27
Add salt reminder 29
Machine lock-out in case of lack of salt 29
Filling the salt reservoir 30

Adding rinsing agent 32
Rinsing agent 32
Add rinsing agent reminder 32
Adding rinsing agent 33

Areas of application 34
Loading the dishwasher 34
Upper basket 36
Adjusting the upper basket 37
Lower basket 39
Loading plastic trays 41

Operation 43
Adding cleaning agent 43

Contents

Tips for the Super short programme ... 44
DOS module ... 45
Switching on ... 49
Selecting a programme ... 49
Starting a programme ... 51
At the end of the programme ... 52
Switching off ... 52
Unloading the dishwasher ... 52
Interrupting a programme ... 53
Cancelling a programme ... 54

Additional functions ... 55
Delay start ... 55

Settings ⚑ ... 56
Menu structure ... 57
Delay start ... 58
Setting the language ⚑ ... 59
Venting DOS modules ... 60
Setting the date ... 61
- Date format ... 61
- Set ... 61

Setting the time of day ... 62
- Setting the time ... 62
- Display ... 63
- Clock display ... 63

Regulating the volume ... 64
- Keypad tone ... 64
- Buzzer tones ... 64
- Settingthe volume ... 65

Further settings ... 66
Opening the "Further settings" menu ... 66
Menu structure ... 68
Code ... 70
- Release ... 70
- Change code ... 70

Log book ... 72
Temperature unit ... 73
Move programme ... 74
Additional functions ... 75
- Reset ... 75
- Increased water level ... 76
- Interim rinse ... 76
- DOS dispensing system ... 77
- Temperature / Time ... 80

Releasing programmes ... 83
Water hardness ... 84
Display view ... 84
Display ... 85
- Contrast ... 85
- Brightness ... 85

Contents

Switch off after ... 86
Factory default ... 87
Software version ... 88

Cleaning and care ... 89
Periodic checks ... 89
Cleaning the control panel ... 90
Cleaning the door front ... 90
Cleaning the wash cabinet ... 90
Cleaning the door and the door seal ... 91
Cleaning the filters in the wash cabinet ... 91
Cleaning the spray arms ... 93

Problem solving guide ... 95
Faults with water intake or drainage ... 95
General problems with the dishwasher ... 98
Noises ... 99
Unsatisfactory cleaning result ... 100

Maintenance ... 102
Clean the water intake filters ... 102
Cleaning the drain pump and non-return valve ... 103

After sales service ... 105

Programme chart ... 106

Installation ... 110
Installation ... 110
- Building under ... 110
- Levelling and securing the dishwasher ... 111
- Floor anchoring ... 112

Moving the dishwasher ... 112

Electrical connection ... 113
Peak-load cut-out ... 114

Plumbing ... 115
Connection to the water supply ... 115
Connecting the drain hose ... 117

Technical data ... 118

Important 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 dishwasher are described step by step in a logical sequence.
Each step is introduced using a black square bullet point.

Example:
■ Open the dishwasher door.

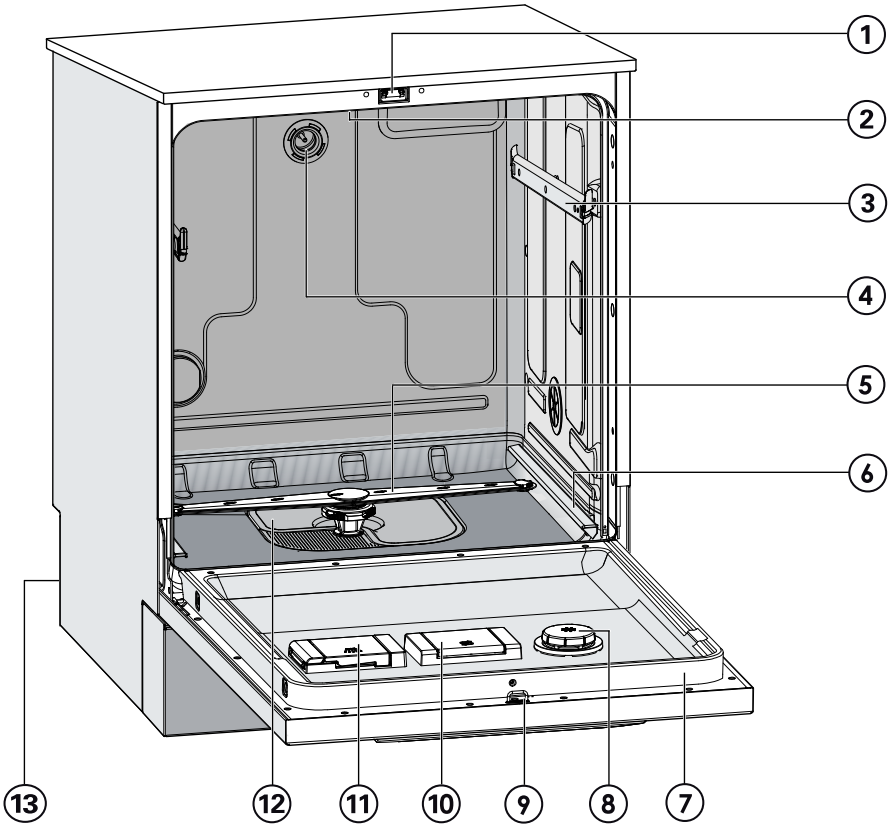
Display

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

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 basket

④ Connection for upper basket spray arm

⑤ Lower spray arm

⑥ Runner for lower basket

⑦ Data plate

⑧ Rinsing agent reservoir

⑨ Door lock barrel

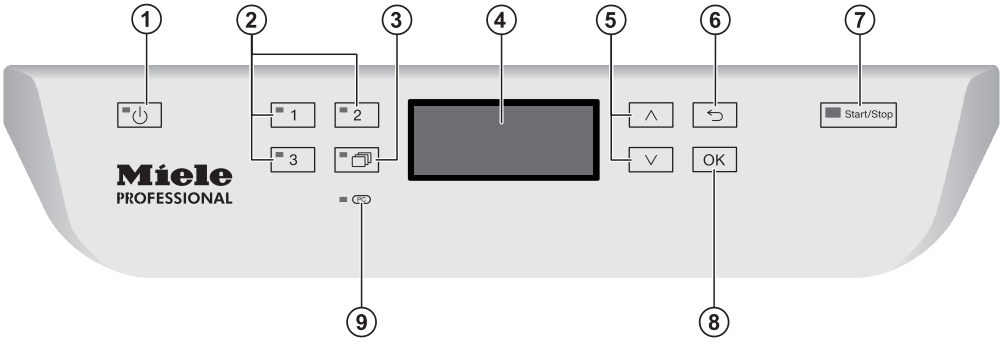
⑩ Salt reservoir

⑪ Dispenser for powder cleaning agent

⑫ Filter combination

⑬ Back:
Connection for DOS modules
External dispensing pump for liquid cleaning agent (DOS1)
External dispensing pump for rinsing agent (DOS4)

Control panel



① ⏻ On/Off button
For switching the dishwasher on and off

② Buttons 1 - 3 (programme selector buttons)
Short cut buttons for storing favourite programmes

③ ▭ button (further programmes)
For selecting further programmes

④ Display
User interface

⑤ ∧ and ∨ buttons
For navigating within the display

⑥ ⮌ button (cancel or back)
For cancelling a process
(not for cancelling programmes)

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

⑧ *OK* button (confirmation)
For selecting or confirming entries

⑨ Optical interface (PC)
This is used by Miele service technicians to run diagnostic checks and can also be used to update programming data in the future.

Correct application

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

▶ This dishwasher with its short programme running times and powerful cleaning performance is intended for commercial use in

- restaurants
- guest houses
- hotels
- active kitchens
- and other similar commercial environments.

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

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

▶ The special inserts should only be used for their specific application.

▶ This dishwasher is not suitable for the reprocessing of 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.

▶ This dishwasher can only be used if

– the ship's hull is longer than 28 metres.
– the list of the vessel is not more than 2°.
– any external vibration is no more than 150 Hz at an amplitude of 0.35 mm.

The safe operation and correct functioning of this commercial dishwasher can only be guaranteed if the above conditions are met.

▶ This dishwasher may not be operated on an open deck.

Correct installation

▶ This dishwasher may only be installed and used in mobile installations such as ships if a risk assessment of the installation has been carried out by a suitably qualified engineer.

▶ This dishwasher must be fixed in position when it is installed. Failure to do this could result in personal injury, damage to the machine and damage to property.

▶ This dishwasher must be securely bolted to the floor using a BBF 80 kit.

▶ Do not install this dishwasher in an area where there is a risk of explosion or freezing conditions.

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

Technical safety

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

▶ 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. Under no circumstances should you use it if it has been damaged. It could be dangerous.

▶ In the event of a damaged or leaking dishwasher, switch off at the mains immediately and call the Miele Service Department or an authorised Miele Service dealer.

▶ 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. It is essential that this standard safety requirement is met. If in any doubt, please have the electrical installation tested by a qualified electrician. Miele cannot be held liable for the consequences of an inadequate earthing system (e.g. electric shock).

▶ Please follow the advice on installation in these instructions and the separate Installation diagram.

▶ Before connecting the appliance, ensure that the connection data on the data plate (voltage, frequency and fuse rating) match the mains electrical supply.

▶ There must be no electrical sockets behind the dishwasher. Danger of overheating and fire risk if the dishwasher were to be pushed up against a plug (see "Electrical connection").

▶ Do not connect the dishwasher to the mains electricity supply by a multi-socket unit or an extension lead. These do not guarantee the required safety of the appliance (e.g. danger of overheating).

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

▶ The dishwasher must not be used if the electrical connection cable is damaged. If the cable is damaged it must be replaced with a special cable available from Miele. For safety reasons this must only be done by the Miele Service Department or an authorised Miele Service dealer.

▶ 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 the following conditions are met:

– installation has been carried out correctly,
– the dishwasher is properly maintained and parts replaced where it can be seen that this is necessary,
– the stopcock has been turned off during longer periods of inactivity (e.g. whilst on holiday).

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

Correct use

▶ This dishwasher is designed for operation with water and cleaning agents suitable for use in 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 cleaning agents formulated for use in commercial dishwashers. Using unsuitable cleaning agents could adversely affect components in the dishwasher, as well as items being cleaned.

▶ Do not sit or lean on the opened door. This could cause the dishwasher to tip up and be damaged or cause an injury.

▶ 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. If the door is opened there is a danger of burning or scalding. Crockery, cutlery, baskets and inserts must be allowed to cool down before they are unloaded. Any water remaining in containers could still be very hot. Empty them into the wash cabinet before taking them out.

▶ The water in the cabinet must not be used as drinking water.

▶ Pre-treating items (for example with 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 machine 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 and in the situation specified, to avoid such dangers as serious chemical reactions and material damage (e.g. oxyhydrogen explosion).

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

▶ To avoid material damage and corrosion, do not allow any acids or solutions containing chlorides or metals which are not rust-proof to get into the wash cabinet.

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

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

▶ Ensure that the stainless steel outer casing of the appliance does not come into contact with solutions or steam containing acid to avoid any corrosion damage.

▶ Be careful when sorting items with sharp pointed ends and positioning them in the 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

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

▶ Children must not be allowed to operate this dishwasher.

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

Accessories

▶ Only use genuine Miele original spare parts and accessories with this dishwasher. 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.

Symbols used



Warning:
Observe the operating instructions



Warning:
Danger of electric shock

Disposal of your old 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.

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

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

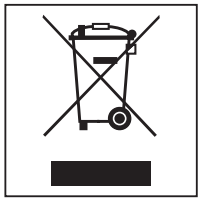
Disposal of the packing material

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

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

Disposing of your old appliance

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



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

User groups

Users can be divided into two groups:

– Daily operators

– Experienced operators

Access to the machine can be blocked to general operators by using a code (see "Further settings, Code").

Daily operators

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

Experienced operators

Experienced operators can additionally block access to 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.

– ∨ 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

This dishwasher is controlled by menus. The menus are displayed in a 3-line display on the control panel.

Example:



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

Simple selection



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

Press the *OK* button to progress to the next menu, or to the next input position when confirming values. Press the ⮌ button to revert to the previous menu without saving the entry.

Multiple selection

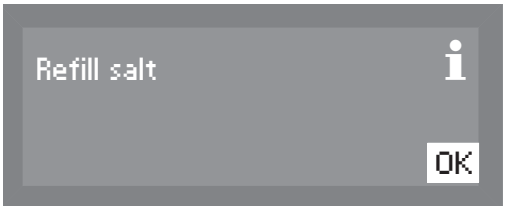


The ∧ and ∨ arrow buttons are used for navigating within the menu. Several options can be selected in succession within the menu using the *OK* button. Once selected, an option will have a tick ☑ beside it. To save your selection, select Accept and confirm with the *OK* button.

System messages

The i symbol denotes system messages. These give information about current processes and the status of the 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 *OK*. A system message can be recalled by pressing *OK* during a programme cycle.

Example:



Automatic switch-off

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

Automatic switch-off can be deactivated (see "Further settings, Switch off after"). The display will then remain switched on in standby mode.

Symbols in the display

Navigation arrows ⬍

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

Dotted line -------

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

Tick ✓

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

Example



System messages ℹ

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

Fault messages ⚠

In the event of a fault a warning triangle is shown in place of the ℹ symbol. See "Problem solving guide" for more information.

Before using for the first time

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

The 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 dishwasher is then switched off, the commissioning process must be carried out again.

The following options (with the exception of "Plumbing connections") can be altered retrospectively via 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

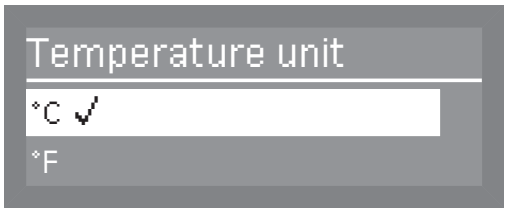
The commissioning process starts automatically with setting the language. You are requested to set the display language.



- Use the ∧ and ∨ arrow buttons to select the language you want and confirm your choice using the *OK* button.

Setting the temperature unit

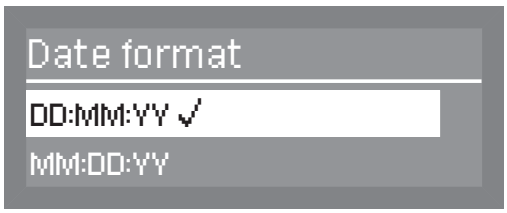
The display will change to the screen for setting the temperature unit.



- Use the ∧ and ∨ arrow buttons to select the temperature unit you want and confirm your choice using the *OK* button.

Setting the date format

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



- Use the ∧ and ∨ arrow buttons to select the date format you want and confirm your choice using the *OK* button.

Setting the date

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



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

Setting the clock format

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



- Use the ∧ and ∨ arrow buttons to select the format you want and confirm your choice using the *OK* button.

Setting the time of day

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



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

If you have selected 12 h for the clock, "am" (in the morning) or "pm" (in the afternoon) will appear beside the time.

Setting the water hardness level

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

The 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) 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.

- Enter the water hardness below:

_____°dH or mmol/l

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



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

See "Filling the salt reservoir" 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.



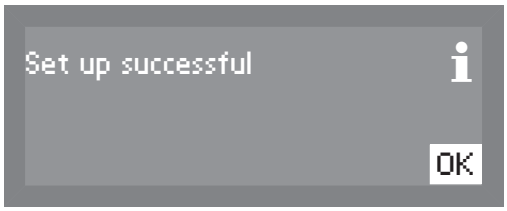
- Use the ∧ and ∨ arrow buttons to select the plumbing connections which are not connected and confirm your choice using the *OK* button.

The tick ✓ 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 the door

The control panel also serves as a door handle.

- Grasp the handle underneath the control panel and lower the door to open.

If the door is opened during operation all functions are automatically interrupted (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 until the catch engages.

Reactivation

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

Mains water with a hardness of more than 0.7 mmol/l (4 °dH German scale) must 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 will be able to tell you the exact degree of hardness of the mains water supply.
For future servicing it is useful to make a note of your water hardness level. Enter your water hardness level here:

_____ °dH or mmol/l

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

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

Only use special coarse grained dishwasher salt for reactivation, or pure evaporated salt.
Miele Professional offer appropriate products.
Other salts may contain insoluble additives which can impair the functioning of the water softener.

If the hardness of your water is constantly less than 0.7 mmol/l (= 4 °dH German scale), salt is not required for the water softener. However the water softener must still be set.

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 ∨ (lower) arrow buttons to set the water hardness required and confirm your entry using the *OK* button.

Filling the salt reservoir

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

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.

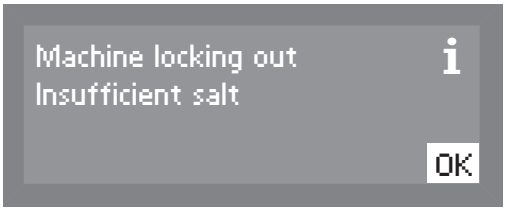
If there are no further refill reminders, the **i** symbol in the display will go out after a few seconds when the salt is refilled.

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

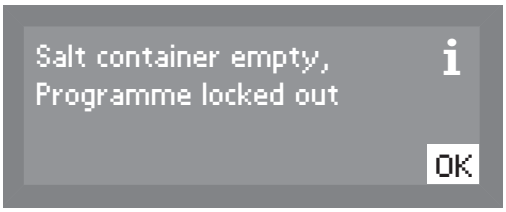
If the refill salt reminder is ignored for several programme cycles and the salt is not refilled, the dishwasher will lock itself against further use until it is refilled.

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



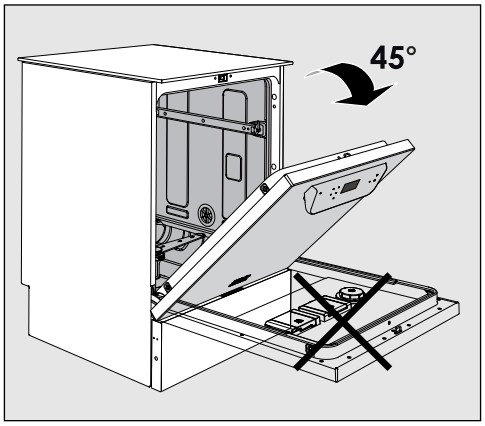
Only a few more programme cycles are possible, depending on the programme selected and water hardness level set.

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

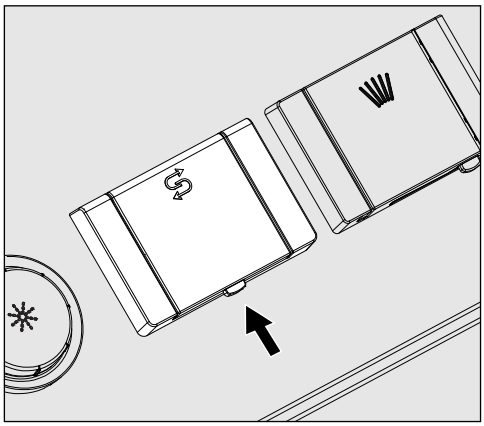


When reactivation salt is added the machine will unlock itself after a few seconds.

Filling the salt reservoir

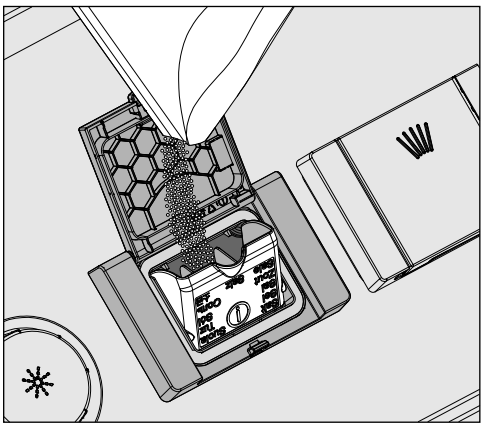


- When filling the salt reservoir **only open the door halfway** to ensure that all the salt gets into the reservoir.



- Press the button on the lid of the salt reservoir in the direction of the arrow until the flap springs open.
- Lift up the funnel.

Do **not** fill the reservoir with water.



- Add salt only until the funnel of the salt reservoir is full, so that it can close properly. The salt reservoir 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 reservoir.

Do not add any more than 2 kg of salt.

As the salt reservoir is being filled, displaced water may run out.

- Clean any excess salt from around the reservoir opening and the seal around it, and then close the flap.
- To avoid corrosion in the cabinet, run the Cold programme (without any crockery in the dishwasher) immediately after refilling the salt reservoir to remove any 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.

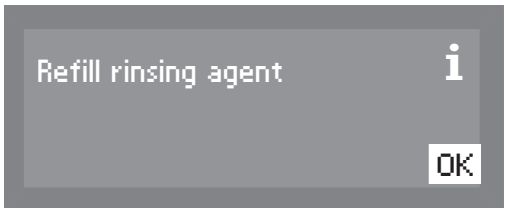
Suitable products are available from Miele Professional.

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

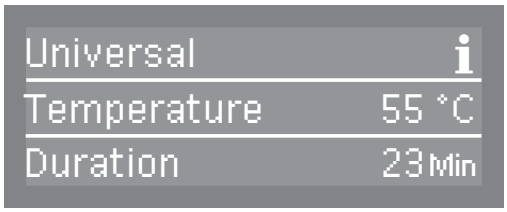
In the Beer glasses programme the final rinse is carried out without rinsing agent.

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.

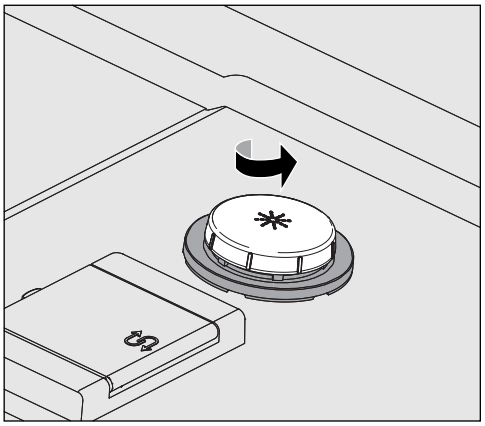
The refill reminder will be displayed again at the end of every subsequent programme.

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

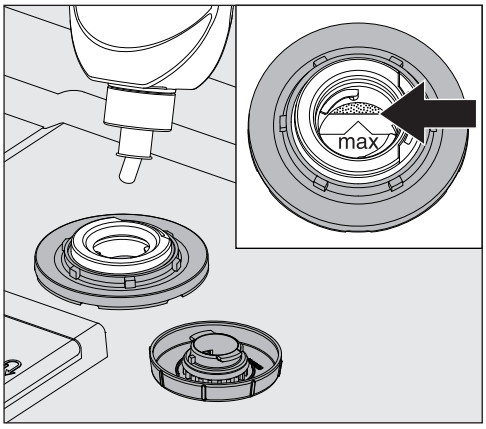
If there are no further refill reminders, the **i** symbol in the display will go out a few seconds after the rinsing agent has been refilled.

Adding rinsing agent

- Open the door **fully**.



- Unscrew the cap on the rinsing agent reservoir



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

The reservoir holds approx. 300 ml.

- Screw the cap back on securely so that water cannot get into the reservoir 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 dosage for best results (see "Further settings, Additional functions").

Loading the dishwasher

Remove coarse food residues from crockery.

There is no need to rinse items under running water.

Notes

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

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

Crockery can be loaded into the appropriate places in the baskets, but the following notes should be observed:

- Load the crockery so that water can access all surfaces. This ensures that they get properly cleaned.
- Load plates symmetrically in the upper and lower baskets with the concave surface towards the centre of the basket (as shown on the following pages).
- Do not place crockery and cutlery inside other pieces where they may be concealed.
- 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 to ensure better water coverage.
- Wide based items should be placed at an angle so that water can run off them freely.
- The spray arms must not be blocked by items which are too tall or hang through the baskets. If in doubt, test for free movement by manually rotating the spray arms.
- Small items can fall through the holders in the baskets. Small items should therefore be placed in the cutlery basket.

Items not suitable for dishwashers:

– Wooden cutlery and crockery or items with wooden parts: these may discolour and fade. The glue used in these items is not dishwasher-proof and wooden handles may come loose after being washed in a dishwasher.

– Craft items, antiques, valuable vases and decorative glassware: such items are not suitable for dishwashers.

– Plastic items which are not heat resistant: the high temperatures in the dishwasher may cause them to melt or lose shape.

– Copper, brass, tin and aluminium items: these may discolour or become matt.

– Colours painted over a glaze: these may fade after a number of washes.

– Delicate glassware and glassware containing lead crystal: clouding may occur over time.

We recommend

– When purchasing new crockery and cutlery, make sure they are dishwasher-proof.

– Clouding may occur on glasses after frequent washing. If delicate glassware is washed in the dishwasher ensure that only a special glass-care programme with very low temperatures (see programme chart) is selected and that suitable cleaning agent is used. This will reduce the risk of clouding.

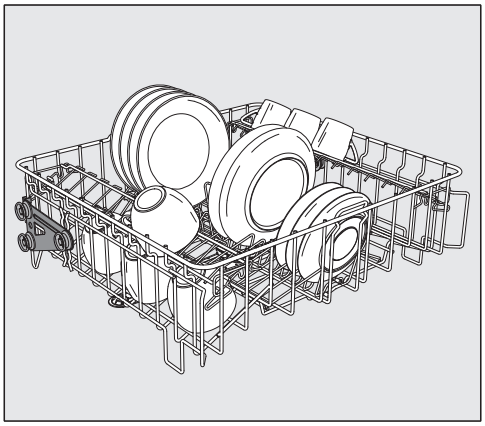
Please note:

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

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

Upper basket

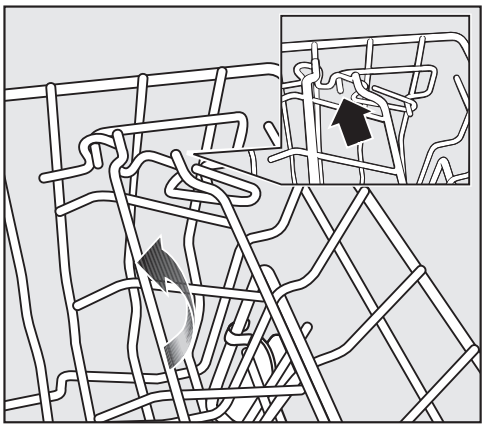
Use the upper basket for small, lightweight and delicate items such as cups, saucers, glasses, dessert bowls etc. Light, heat resistant plastic items can also be loaded in the upper basket.



O 891 upper basket

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

Cup rack



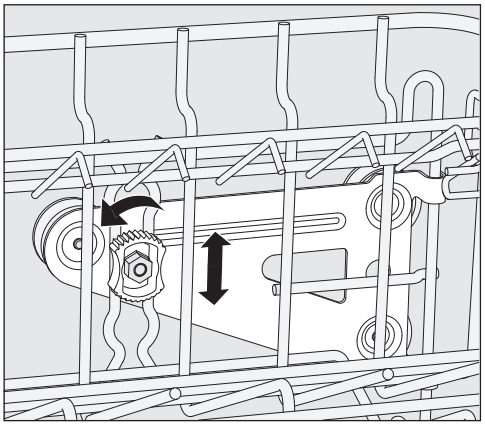
The cup rack can be set at two different widths so that it can also accommodate large cups.

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

Adjusting the upper basket

In order to gain more space for taller pieces of crockery in the lower or upper basket, the upper basket can be adjusted between two positions with approx. 5 cm between each position.

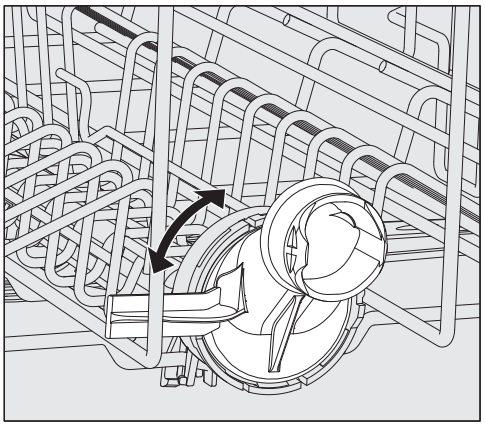
- Pull out the upper basket.



- 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 it is at an angle, this will obstruct the water connection.

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



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

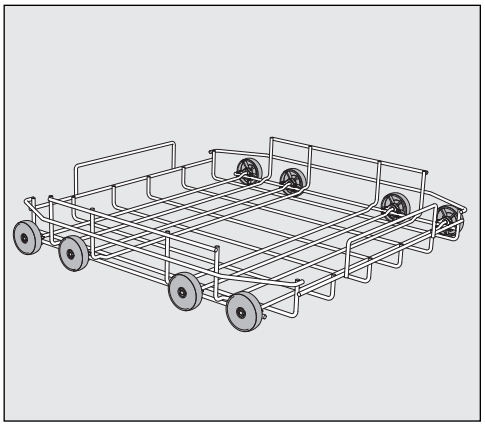
Depending on the setting of the upper basket, the following plate dimensions can be accommodated:
Example upper basket O 891:

Upper basket in position	Upper basket plate Ø	Lower basket plate Ø
Upper	max. 15 cm	33 cm *
Lower	max. 20 cm	25 cm

* Plate insert E 812 required in the lower basket

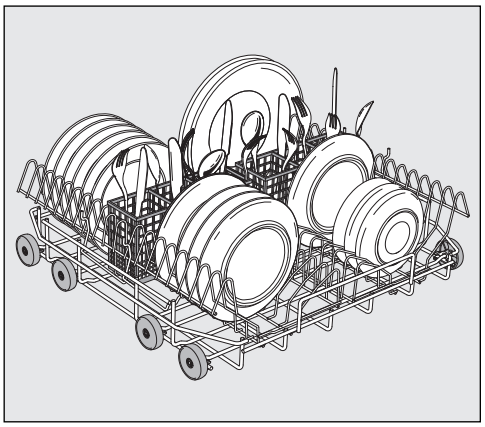
Lower basket

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



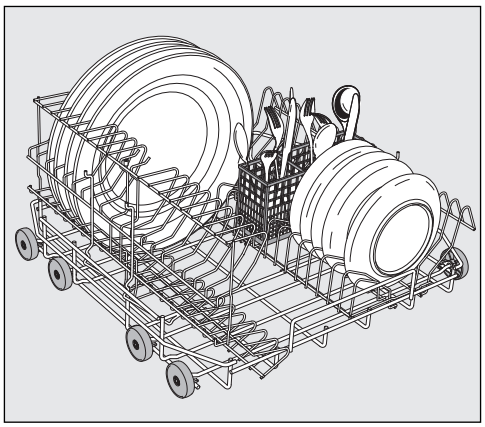
U 890 lower basket carrier

For plastic trays, various inserts and cutlery inserts.



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

16 plates each with Ø 25 cm and various items of cutlery can be loaded. Without the cutlery inserts, 19 plates each with Ø 25 cm can be loaded into the E 816 inserts.

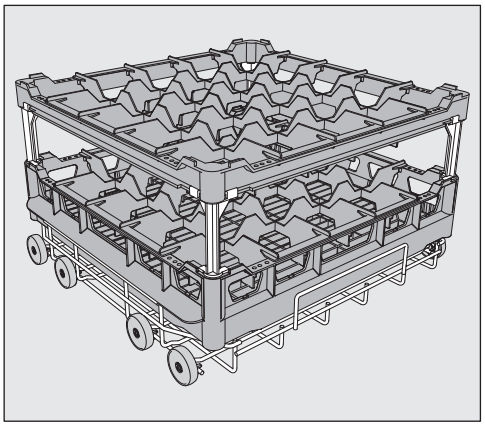


U 890 lower basket carrier with an E 816 insert rotated through 90°

With the E 165 cutlery insert, 16 plates each with Ø 33 cm and various items of cutlery can be loaded. Without the cutlery insert, 19 plates each with Ø 33 cm can be loaded into the rotated E 816 insert.

Loading plastic trays

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

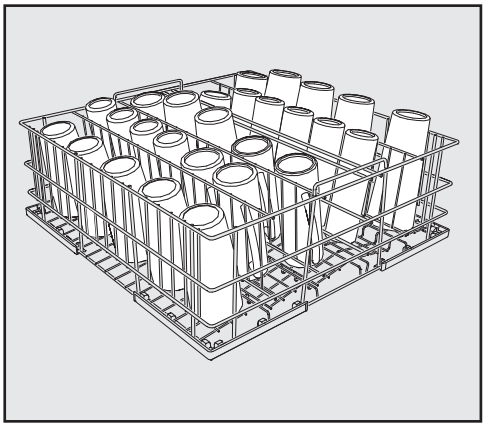


The special O 885 upper basket carrier is required for loading plastic trays in the upper basket (max. loading height for items 130 mm).

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

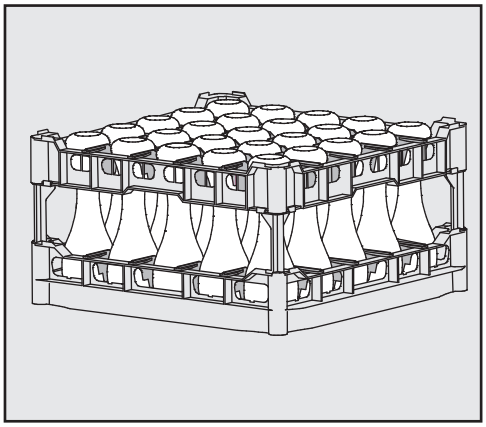
Which basket combination to use will depend upon the type, shape and size of the items to be washed.
For further information on baskets please contact your Miele dealer or the Miele Professional Department.

Example: (lower basket)



U 525 5-row wire basket

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

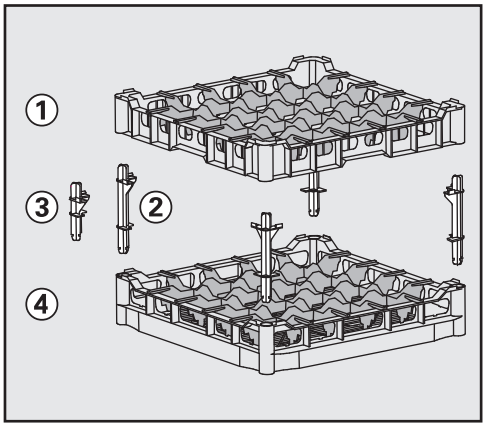


U 534 - U 537 plastic trays with compartments for different glass heights

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

Assembling a plastic tray

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



- Push all four extenders into the base 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 accessory - see "DOS module").

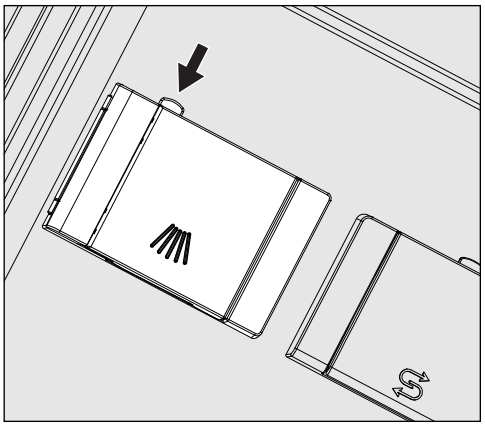
Tabs can be used in all programmes except for "Super short".
Only use tabs that are quick dissolving. Suitable tabs are available from Miele Professional.

Powder cleaning agent

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

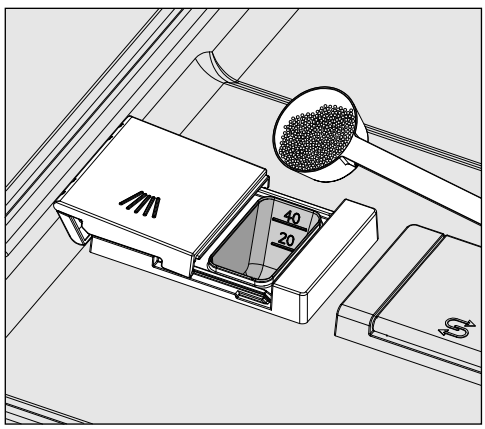
Add powder cleaning agent or a tab to the detergent dispenser in the door before every wash programme (except Super short, Cold, Reactivation and Drain). Follow the tips on the next page.

- 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.



- Place the required amount of powder cleaning agent or a tab in the detergent dispenser in the door and close the flap.

Dispensing

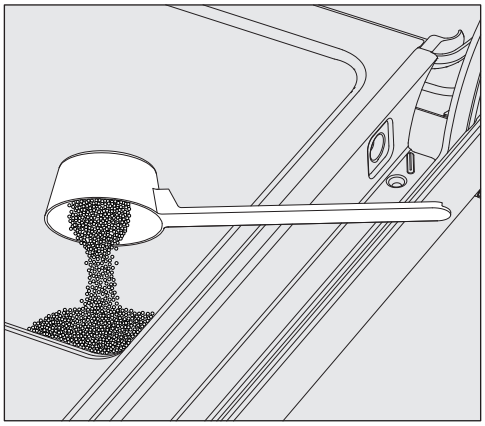
- Always follow the recommendations of the cleaning agent manufacturer.

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.

Tips for the Super short programme

With the Super short programme, the final rinse water is not pumped out at the end of the programme in order to achieve short programme durations in continuous use.
Cleaning agent cannot be rinsed out of the dispenser during the short programme time.



- If liquid detergent is not being dispensed, add powder cleaning agent directly onto the inside of the door.

To avoid corrosion or discolouration, the wash programme must be started immediately after dispensing cleaning agent directly onto the inside of the door.

DOS module

In addition to the internal dispensing systems, up to two further external dispensing systems (DOS modules) can be connected for dispensing liquid chemical agents.

Suitable products are available from Miele Professional.

For more information on Miele DOS modules please contact your Miele dealer or the Miele Professional Department.

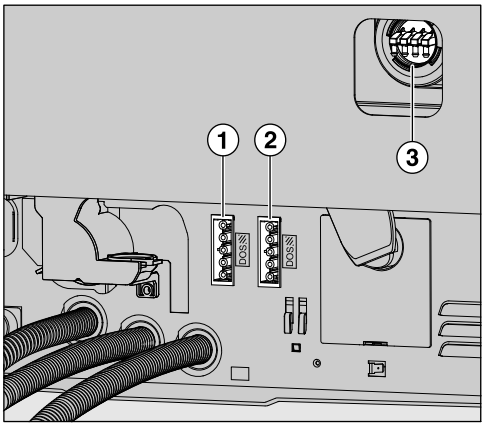
Labelling the siphons

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

For cleaning specific types of soiling, and for information on the optimum cleaning agents and additives to use for liquid dispensing, please contact the Miele Professional Department.

Connecting DOS modules

The DOS module is supplied with its own installation instructions.



① Power supply for DOS 1, cleaning agent.

② Power supply for DOS 4 rinsing agent.

③ Connections for dispensing hoses

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

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

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

Setting the dispensing concentration

For adjusting dispensing concentration see "Further settings / Additional functions / DOS Dispensing system".

Refilling or changing containers

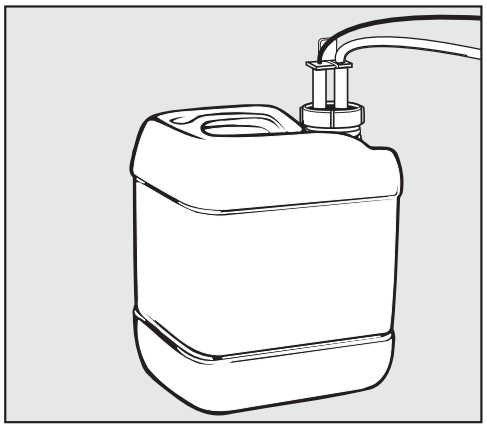
The DOS module is equipped with a level indicator which gives a message in the display when the level drops below the minimum.



- As soon as the message appears in the display, refill or replace the container with a full one 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.
An empty dispensing system must be vented before starting the next programme.

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



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

To vent the system and adjust the dosage amount, see "Further settings, Additional functions".

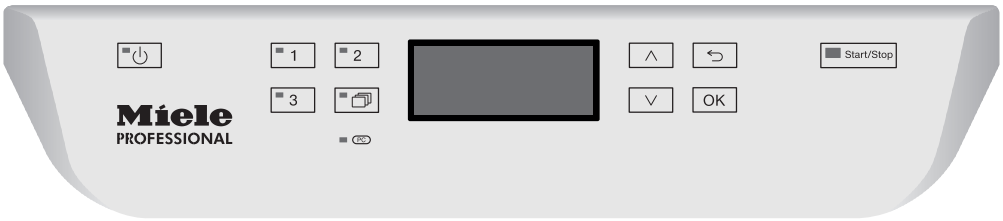
Checking consumption

Monitor the amount of chemical agents used by regularly checking the level in the container.

LEDs on the buttons

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

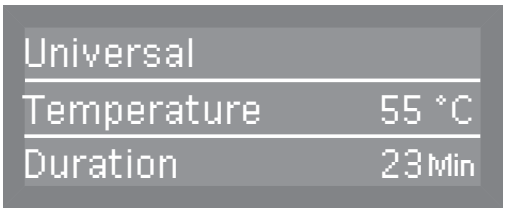
Button	LED	Status
⏻ On/Off button	**ON**	The dishwasher is switched on.
	FLASHES	The dishwasher has gone into standby mode after the preset time.
	OFF	The dishwasher is switched off.
Buttons 1, 2 and 3 Programme short cut buttons	**ON**	The respective programme has been selected. At the end of the programme 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 programmes 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.
Start/*Stop* 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.



Switching on

- Open the stopcock, if it is closed.
- Press the ⏻ button until the button's LED lights up.
- Close the door.

As soon as the dishwasher is ready for operation, the display 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 1, 2 or 3. 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 LED for the short cut button will light up and the LED for the *Start*/*Stop* button will flash.

Programme list

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

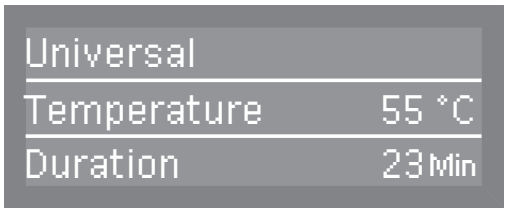
- Press the button.

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.



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

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

Starting a programme

- Press the *Start*/*Stop* button (the LED of the *Start*/*Stop* button will light up).

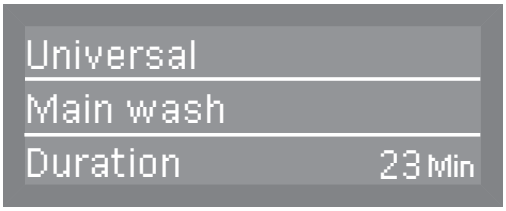
A programme can no longer be changed after it has been started.
A programme can either be interrupted (see "Interrupting a programme") or cancelled (see "Cancelling a programme").

Programme sequence indicator

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

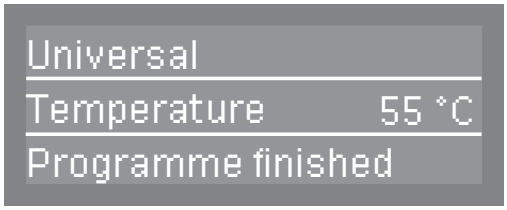
During the programme cycle the ∧ and ∨ arrow buttons can be used to switch between the wash phase and the target temperature or the actual temperature in the second line of the display.

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



At the end of the programme

After a programme which has ended normally the LED for the *Start/ Stop* button will go out. 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"

To completely finish the programme the door must be opened fully with the dishwasher still switched on.

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 significantly.

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

- Open the door.

The following message appears 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

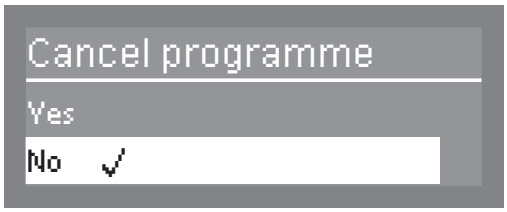
Only cancel a programme which has already started if strictly necessary, e.g. if you want to change the programme.

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.

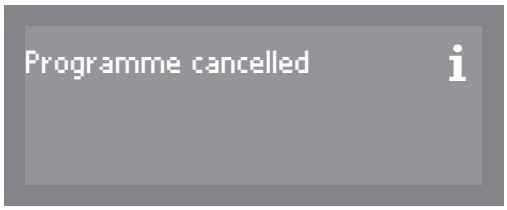
The following will appear in the display:



■ 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.

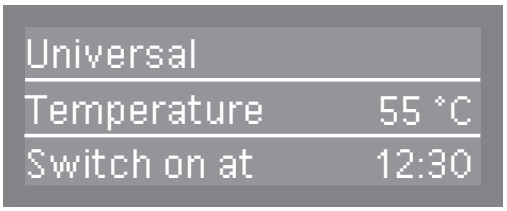
When using the Delay start function, make sure that the cleaning agent dispenser is dry before adding powder cleaning agent. Wipe dry with a cloth if necessary.
If the dispenser is wet, cleaning agent can become lumpy, with the result that it is not fully dispensed.

Setting the start time

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



- Use the arrow buttons ∧ (higher) and ∨ (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.

Opening the "Settings ⚑" menu

To open the settings menu:

- Switch the dishwasher off.
- Press and hold the ⮌ button and switch the dishwasher back 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 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")

– 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 "DOS venting")

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

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

– 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. Language	deutsch ✓ english (GB) etc.....	
3. Venting DOS	DOS 1 DOS 4	
4. Date	Date format Set	DD:MM:YY✓ MM:DD:YY
5. Time of day	Set Display Clock display	Set the time Do not display ✓ On On for 60 seconds 12 h 24 h ✓
6. 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.

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 ∧ and ∨ 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 ∧ and ∨ 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:

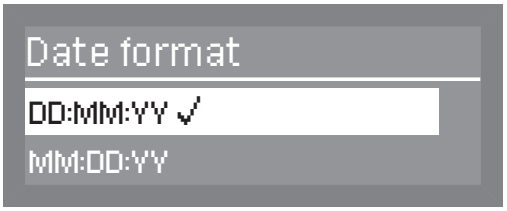


– Date format
This option offers two variations for date format.

– 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.



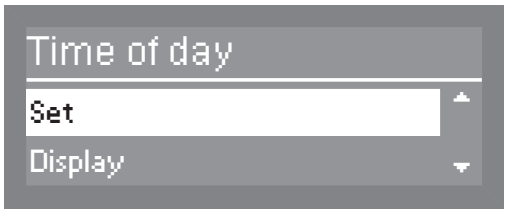
- Use the arrow buttons ∧ (higher) and ∨ (lower) to set the day, month and year and confirm each entry using the *OK* button.

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 ∧ (higher) and ∨ (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.

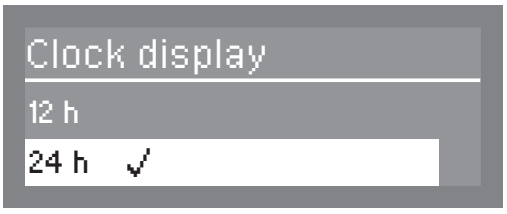
– On for 60 seconds
The time of day is displayed for 60 seconds. The dishwasher switches itself off once the 60 seconds have elapsed.

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

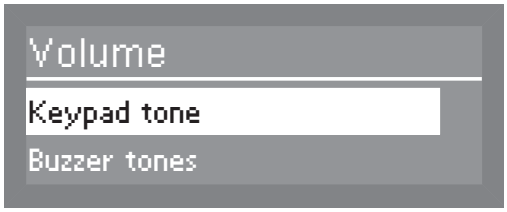
■ Select the format you want and confirm your choice with the *OK* button.

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.

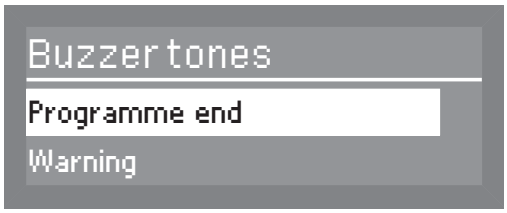
Keypad tone

- 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 ∧ (louder) and ∨ (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.

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.:Cleaning agent Consumpt.: Rinsing agent Operating hours Wash cycles Service interval		
3. Temperature unit	°C ✓ °F		
4. Move programme	1. Super short 2. Universal 3. Hygiene 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 Super short Universal Hygiene etc.	 Active Inactive DOS venting Concentration Change name Reset Main wash Final rinse
6. Release programme	All ✓ Selection	 ☑ Super short ☑ Universal etc. Accept	
7. Water hardness			

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		

Code

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

Release

- 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 options are available:



– Yes
The menu is available to all users.

– Block
The menu can only be accessed by using a code.

A tick ✓ indicates the current status.

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

Change code

- Select the Change code option and confirm your choice with the *OK* button.
- First enter the current Code (see "Enter code").
- Then enter your new code.
- The code is saved to memory once you have confirmed the last digit.

Enter code

If in the Release menu you have selected the Block option, or if you have set the Further settings menu up for access via a code, you have to enter a code.
Settings within the Further settings menu can then only be changed by people with administration rights.

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

In this instance the display will show the following message:



- Use the ∧ and ∨ arrow buttons to enter the digits and confirm each one with the *OK* button.

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

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

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

If the code is entered incorrectly the following message will appear in the display:



- Confirm the message with the *OK* button.

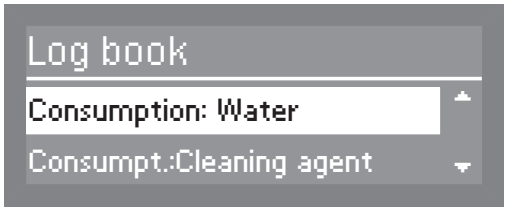
The display will then revert to the input menu.

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.:Cleaning 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.

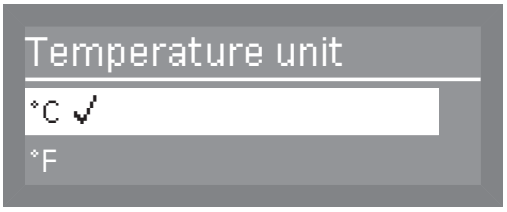
The value will then be displayed.

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 ∧ and ∨ arrow buttons to select the option you want and confirm your choice with the *OK* button.

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 ∧ and ∨ 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 ∧ and ∨ 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

It is possible to adapt individual parameters to tailor programme sequences to particular types of soiling and to optimise the cleaning result.

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

In the following menu you can choose between:

– Reset
This resets all altered parameters in Additional functions to their default settings.

– Increased water level
This increases the amount of water used in all wash programmes.

– Interim rinse
This introduces an interim rinse to all programmes that support this feature (see "Programme chart").

– Dispensing system
This is used for venting the dispensing systems and for naming the DOS module.

– Temperature / time
The temperature and holding time can be changed for the main wash and final rinse stages of a programme.

Reset

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



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

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

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.

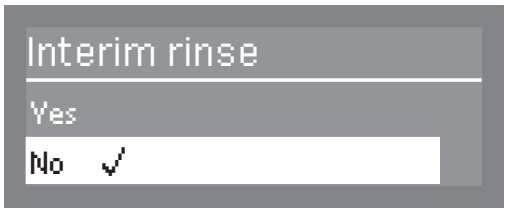


■ Use the arrow buttons ∧ (higher) and ∨ (lower) to select the amount of water you want and confirm your choice with the *OK* button.

Interim rinse

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

The following options are available:



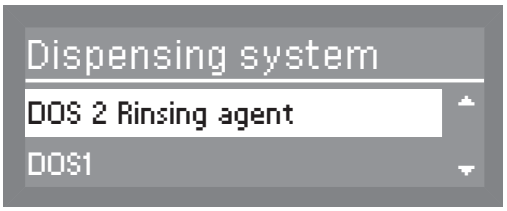
– Yes
Interim rinse activated.

– 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

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

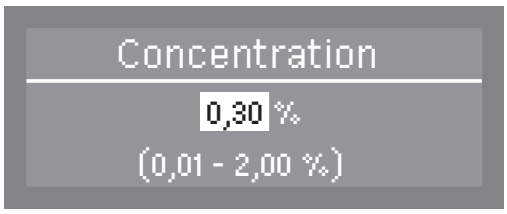
Please observe dispensing recommendations made by the manufacturer of the agent.

■ 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 %.

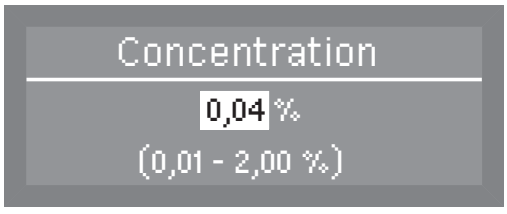
The concentration level set then applies to all programmes.

Display for DOS1:



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

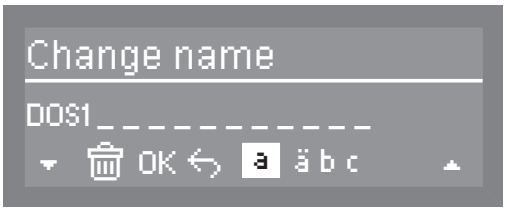
Display for DOS2 Rinsing agent and DOS4:



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

Changing a DOS name

■ Select Change name and confirm your 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 ∨ (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.

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.

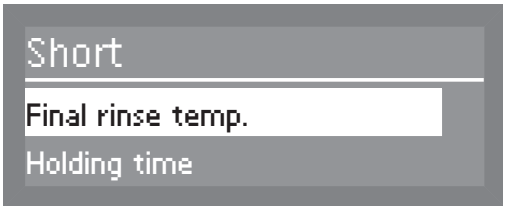
– Main wash
This is used to alter the temperature and the holding time in the main wash.

– 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:

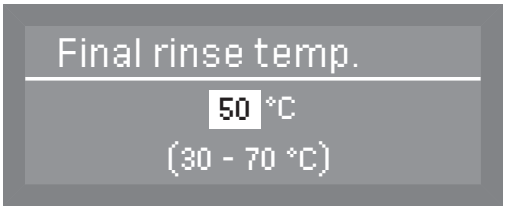
– Temperature / Final rinse temp.
The temperature for the main wash or the final rinse can be changed.

– 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 70°C in 1 °C increments.



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

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.

In the case of the Super short programme, the holding time is set in seconds and can be set between 0 and 300 seconds in 5 second increments.



■ Use the arrow buttons ∧ (higher) ∨ (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.

Blocking programmes

■ 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.

Water hardness

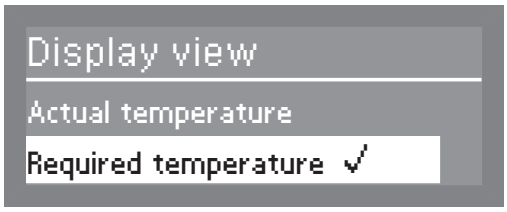
You can use this menu to set the water softener to the water hardness of the mains supply.

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).

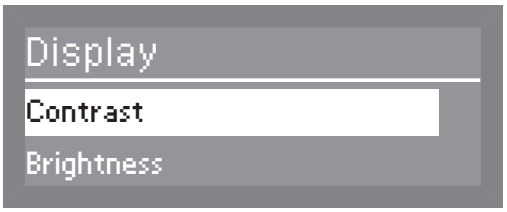
– Required temperature
Display the required temperature for the main wash or the final rinse (the maximum value is displayed as a static value. It will change from one programme block to the next).

■ 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:

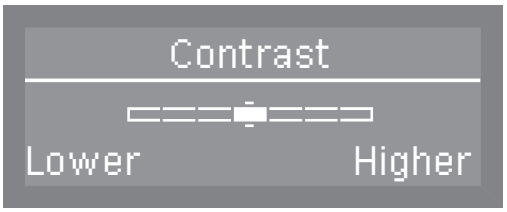
– Contrast
Set the contrast.

– 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 ∧ (higher) ∨ (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 ∧ (brighter) ∨ (darker) to set the brightness you want and confirm your choice with the *OK* button.

Switch off after

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

- Select the Further settings menu.
- Select Switch off after and press the *OK* button to open the relevant menu.

The following options are available:



– Yes
The switch off after option is active and you can specify a duration after which the machine switches off.

– No
The switch off after option is not active.

Setting the switch off after duration

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

The switch off after duration is set to 60 minutes ex-works. It can be adjusted in 5 minute increments from 5 to 60 minutes.



- Use the arrow buttons ∧ (higher) ∨ (lower) to set the switch off after duration and confirm your choice with the *OK* button.

Factory default

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

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

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

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

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

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

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, it should should be serviced after **every 1000 hours of operation, or at least once a year** by Miele Service.

This maintenance will cover the following:

– Electrical safety according to national regulations (VDE 0701/0702 in Germany)

– Door mechanism and door seal

– Any screw connections and connectors in the wash cabinet

– Water inlet and drainage

– Internal and external dispensing systems

– Spray arms

– Filter combination

– Sump including drain pump and non-return valve

– All baskets and inserts

The following operational tests will be carried out within the framework of the maintenance:

– A programme will be run as a test run

– Thermo electrical measurements will be taken

– Seals will be tested for water tightness

– All relevant measuring systems will be safety tested including error message displays.

– Safety features

⚠ 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

- Clean the control panel with a clean sponge and a solution of washing-up liquid and hot water, or with a clean damp microfibre cloth. Dry the control panel with a soft cloth afterwards.

⚠ Do not use abrasive cleaning agents!
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 drink from the sides of the dishwasher and from the hinges.
- With freestanding dishwashers that have a plinth facing, please remove spillages of food and drink from the channel that runs below the door

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

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

Cleaning the filters in the wash cabinet

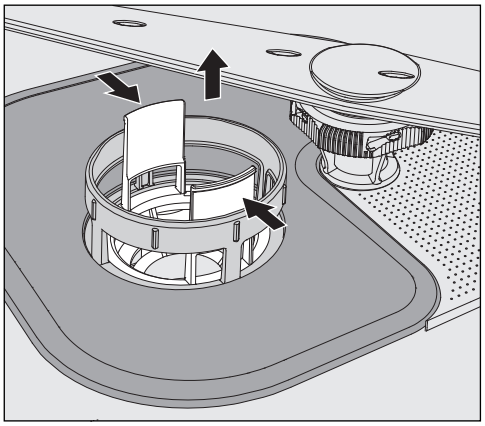
The filter combination in the base of the wash cabinet retains coarse soil from the suds solution, preventing it accessing the circulation system and causing blockages in the spray arms.

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

The filters must be checked regularly and cleaned when necessary.

⚠ Warning!
Danger of injury on glass splinters.

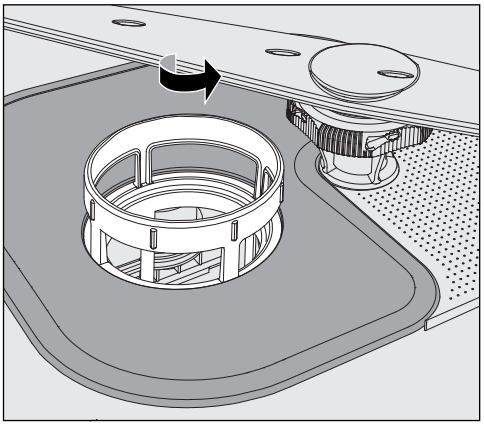
Cleaning the coarse filter



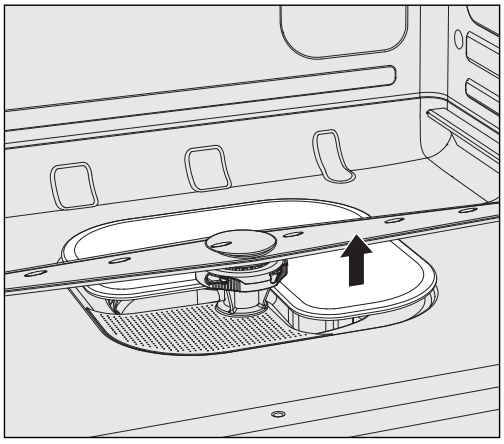
- Press the catches towards each other and remove the coarse filter.
- Rinse the filter thoroughly under running water. If necessary use a soft washing-up brush to remove soiling.
- Replace the filter making sure it engages correctly.

Cleaning 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.

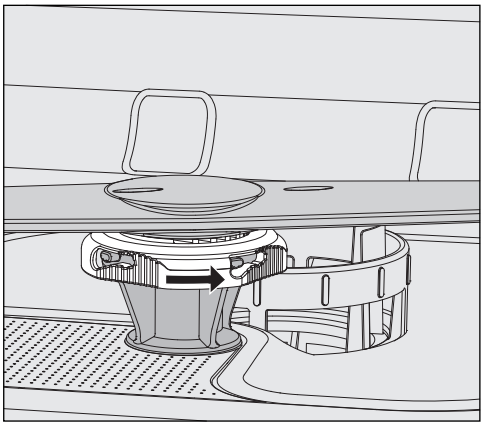
- Switch the dishwasher off.
- Pull the **upper spray arm** downwards to remove it.

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

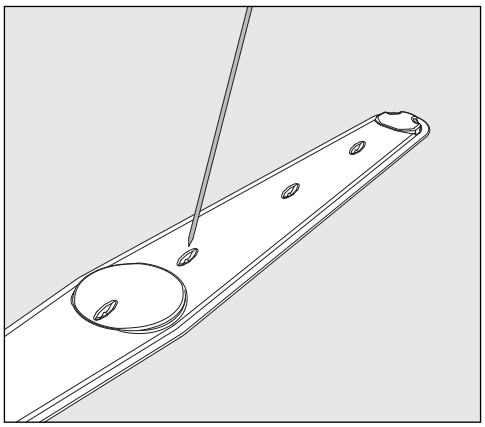
The bayonet fitting on the lower spray arm is coloured yellow so that it cannot get mistaken for the fitting on the middle spray arm.

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.



- 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 help of the following guide, minor faults in the performance of the machine, some of which may result from incorrect operation, can be put right without contacting the Service Department.

⚠ Repair work to electrical appliances should only be carried out by an authorised Miele service technician. Repairs and other work by unqualified persons could be dangerous. The manufacturer cannot be held liable for unauthorised work.

Faults with water intake or drainage

Problem	Cause and remedy
When the dishwasher is switched on with the ⏻ button, the display stays dark and the Start/Stop indicator does not flash.	The dishwasher is not plugged in. ■ Insert the plug and switch on at the socket.
	The fuse has tripped. ■ Reset the trip switch (minimum fuse rating - see data plate).
The dishwasher stops during a programme.	The fuse has tripped. ■ Reset the trip switch (minimum fuse rating - see data plate). ■ If the mains fuse trips again, call the Miele 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 fault messages 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	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. ■ Open the stopcock fully. ■ Switch the dishwasher back on. ■ Select the programme you want. ■ Press the *Start*/*Stop* button.
Fault 406-408	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. ■ The flow pressure at the water intake point is too low (see "Technical data"). Contact Miele Service for advice.
Fault 412-414	Water inlet fault. One of these fault numbers will appear in the display if the flow pressure is too high and the programme will be cancelled. ■ The flow pressure at the water intake point is too high (see "Technical data"). Contact Miele Service for advice.
Fault 492, 504, 541	The programme has not started properly. There might be water in the wash cabinet. ■ Clean the filter combination (see "Cleaning and care"). ■ Clean the non-return valve (see "Maintenance").
Fault 550	The Waterproof system has reacted. ■ Close the stopcock. ■ Call the Miele Service Department.
Fault 578	The peak-load cut-out has lasted longer than 3 hours. ■ Have your electrical system and your energy management system tested by a suitably qualified person.
Check drainage	Drain fault. There might be water in the wash cabinet. ■ 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.

Problem	Cause and remedy
Fault XXX **(XXX stands for a number)**	There may be a technical fault. After 10 seconds: ■ Switch the dishwasher back on. ■ Select the programme you want. ■ Press the *Start*/*Stop* button. If the fault message appears again, there is a technical fault. ■ Call the Miele Service Department.

Problem solving guide

General problems with the dishwasher

Problem	Cause and remedy
Programme finished **has appeared in the display and you cannot select or start a programme.**	This is not a fault. ■ Open and close the door. The dishwasher must remain switched on whilst you do this.
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 correctly 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 the programme. **(This does not apply to the "Super short" 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 deteceted a peak-load in the energy supply. Some components in the dishwasher stop operating for the duration of the peak-load cut-out.

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. This has no effect on the functioning of the dishwasher. ■ If in doubt, contact a suitably qualified plumber.

Problem solving guide

Unsatisfactory cleaning result

Problem	Cause and remedy
The dishes are not clean.	The dishes were not loaded correctly. ■ Please observe the instructions in "Loading the dishwasher".
	The programme was not suitable for the load. ■ Select a more suitable programme (see "Programme chart").
	Not enough cleaning agent was dispensed. ■ Increase the dosage.
	The cleaning agent used is not suitable for the type of soiling present. ■ Change your brand.
	Items are blocking the path of the spray arms. ■ Rearrange the items so that the spray arms can rotate freely.
	The filter combination in the base of the wash cabinet is not clean or is not correctly fitted. This may cause the spray arm jets to get blocked. ■ Clean and/or fit the filter combination correctly. ■ Clean the spray arm jets, if necessary (see "Cleaning and care").
	The non-return valve is open and blocked. Dirty water has flowed back into the wash cabinet. ■ Clean the drain pump and the non-return valve (see "Maintenance").
	If necessary alter the temperature and / or the holding time for 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	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 is caused by ingredients in the cleaning agent. ■ Change your brand.
Glassware is dull and discoloured; film cannot be wiped off.	The glassware is not dishwasher-proof. The surfaces are affected. In future make sure you purchase dishwasher-proof glassware.
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 wash temperature.
	The bleaching effect of the cleaning agent used is too low. ■ Change your brand.
Plastic items are discoloured.	Natural dyes e.g. from carrots or tomatoes may be the cause. The amount of cleaning agent used or its bleaching effect was not sufficient to deal with natural dyes. ■ Use more cleaning agent (see "Operation, Adding cleaning agent"). Discoloured plastic items will not regain their original colour.
There are rust stains on cutlery.	The "Cold" programme was not run after dishwasher salt was added. Traces of salt have got into the wash cycle. ■ Always run the "Cold" programme without a load after refilling salt.
	The affected items are not corrosion resistant. Purchase cutlery which is dishwasher-proof.

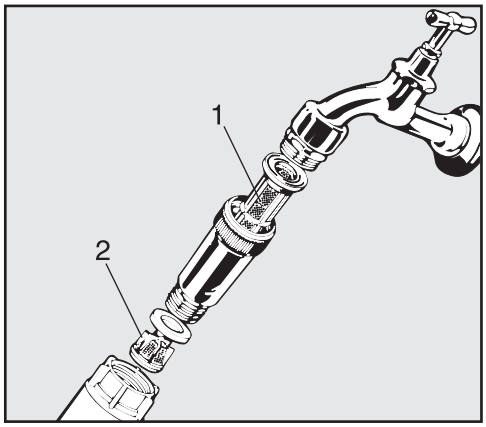
Clean the water intake filters

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

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

Cleaning the filters

- Disconnect the dishwasher from the mains (switch the dishwasher off, unplug it or disconnect or disable the fuse).
- Close the stopcock.
- Unscrew the inlet hose.

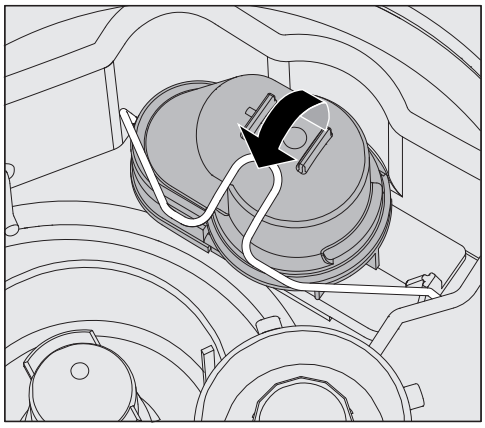


- Carefully pull the large surface area filter 1 out.
- Carefully remove the seal from the threaded union.
- Withdraw fine filter 2 using pointed pliers.
- Clean the filters or replace them with new ones if necessary.
- Replace the filters and seals, making sure they are sitting correctly.
- Reconnect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

Cleaning the drain pump and non-return valve

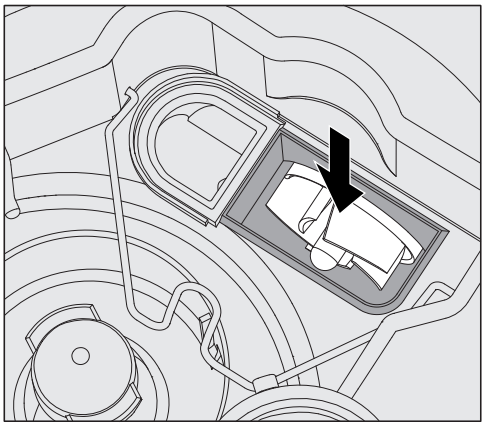
If water has not pumped away at the end of a programme, there may be a foreign object in the drain pump or blocking the non-return valve. These are easy to remove.

- 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.

After sales service

If, despite following the instructions in this manual, you are unable to rectify a problem please contact Miele or your Miele Service Dealer quoting the fault code shown in the display.

Contact details for Miele are given at the back of this manual. N.B. A call-out charge will be applied to service visits where the problem could have been resolved as described in these instructions.

■ When contacting Miele please quote the fault code as well as the model number of your dishwasher together with the 8 digit machine number.

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

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**
Super short	"Quick programme" for lightly soiled crockery that is in continual use and that has fresh, easily removed food residues.	20 - 25 g **placed on the inside of the door**
Universal	For normally soiled crockery.	20 - 25 g or 1 Tab in the cleaning agent dispenser
Hygiene	For items that need to be hygienically clean.	20 - 25 g or 1 Tab in the cleaning agent dispenser
Short	"Quick programme" for lightly soiled crockery with fresh, easily removed food residues.	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
Beer glasses	Special beer glass programme. The glasses do not dry through their own heat after the programme has ended and may have to be dried by hand.	20 - 25 g or 1 Tab in the cleaning agent dispenser
Cutlery	Special programme for cutlery.	20 - 25 g or 1 Tab in the cleaning agent dispenser

Programme sequence					
1. Pre-wash	2. Pre-wash	3. Main wash (1) / (2)	4. Interim rinse	5. Interim rinse	6. Final rinse (1) / (2)
		X 55 °C 30 s		(X)	X ***)** 55 °C 30 s
X		X 55 °C 2 min	X	(X)	X 60 °C 1 min
X		X 60 °C 3 min	X	(X)	X 70 °C 10 min
X		X 55 °C 1 min		(X)	X 60 °C 1 min
X	X	X 65 °C 3 min	X	(X)	X 60 °C 1 min
		X 50 °C 1 min	X	(X)	X 50 °C 1 min
		X 50 °C 1 min	X	(X)	X - (3) 1 min
	X	X 60 °C 2 min	X	(X)	X 55 °C 1 min

***) Important note for the "Super short" programme**
With the "Super short" programme water from the final rinse is not pumped away at the end of the programme. It is used for the main wash cycle in the next Super short programme.
If the water temperature drops below 40 °C or if another programme is started, this water will be automatically pumped away when the programme starts.

X = sections included in a programme
(X) = optional sections which can be selected (see "Further settings, Additional functions")

(1) Temperature range 30 - 70°C (see "Further settings, Additional functions").
(2) Holding time range from 0 - 10 minutes (see "Further settings, Additional functions").
Holding time range in the Super short programme from 0 - 300 seconds.
(3) Runs with cold water and without rinsing agent.

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**
Plastics	Special programme for plastic items and other lightweight items.	20 - 25 g or 1 Tab in the cleaning agent dispenser
Energy save	This programme is the most efficient in terms of its combined energy and water consumption for cleaning normally soiled crockery.	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 pumping away the rinse water when, for example, the water for the "Super short" programme needs to be renewed or the programme has been aborted.	

Programme sequence					
1. Pre-wash	2. Pre-wash	3. Main wash (1) / (2)	4. Interim rinse	5. Interim rinse	6. Final rinse (1) / (2)
X		X 50 °C 5 min	X	(X)	X 60 °C 1 min
		X 46 °C 10 min	X	(X)	X 50 °C 2 min
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 - 70°C (see "Further settings, Additional functions").
(2) Holding time range 0 - 10 minutes (see "Further settings, Additional functions").

Installation

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

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

If the dishwasher is to be installed next to other appliances or furniture or in a niche, make sure the space provided is at least 600 mm wide and 600 mm deep.

Building under

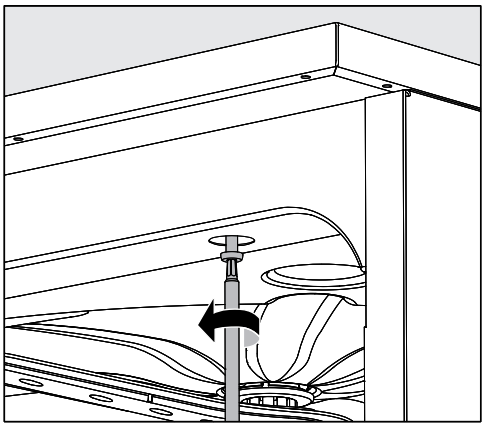
⚠ To ensure stability a built-under dishwasher must only be installed beneath a continuous worktop that is bolted to the adjacent cabinetry.

When installed under a continuous worktop please ensure that the space provided is at least 600 mm wide, 600 mm deep and 820 mm high.

The dishwasher feet must not be unscrewed by more than 60 mm.

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

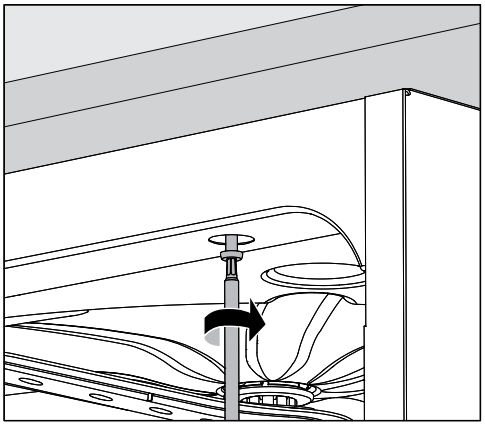
- Remove both securing screws on the back of the dishwasher with a screwdriver.
- Open the door.



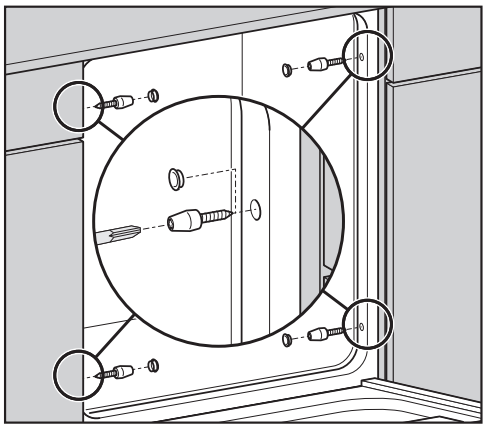
- Unscrew the left and right fixing screws with a screwdriver.
- Lift the machine lid upwards to remove it.

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.



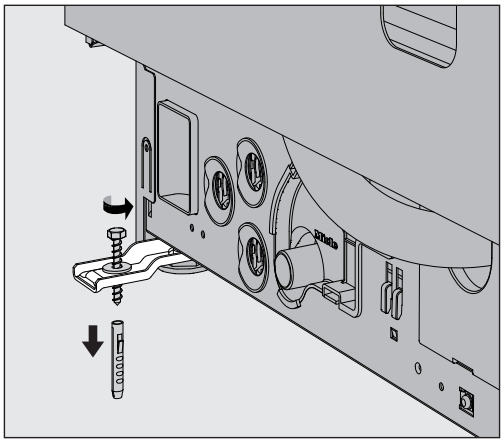
With stainless steel or stone worktops the dishwasher must be secured at the sides to the left and right adjacent cupboards with two screws on each side.
Special screws (4 x 27 / Torx T20) are supplied in the accessory pack. Holes must be drilled in the side wall in front of the door seal for this.

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 securly anchored to the floor by the two rear feet to prevent it slipping or tipping.



- Attach the dishwasher to the floor using the floor anchoring kit supplied on both rear appliance feet.
- Ensure that the fixings used are suitable for the flooring.
- Push the dishwasher into the slots in the floor anchors.

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 cut-out

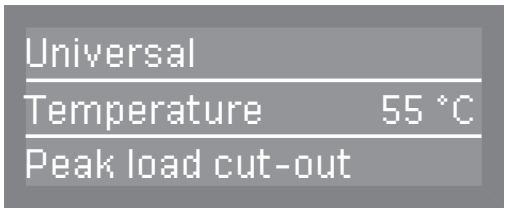
The dishwasher is suitable for use in an energy management system. To do so it has to be technically adapted and the controls reset by Miele service.

Please contact Miele Service for further information.

Peak-load management

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

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



Connection to the water supply

⚠ The water in the dishwasher must not be used as drinking water.

– The dishwasher must be connected to the water supply in strict accordance with current local and national water authority regulations.

– The water used must at least comply with European regulations for drinking water quality. If the water supply has a high iron content there is a danger of corrosion occurring on items being cleaned in the dishwasher, as well as the machine itself. If the chloride content of the water exceeds 100 mg/l the risk of corrosion to items being cleaned in the dishwasher will be further increased.

– UK only: To comply with water regulation requirements, this dishwasher must be connected to the potable water supply via the check valve supplied with the machine.

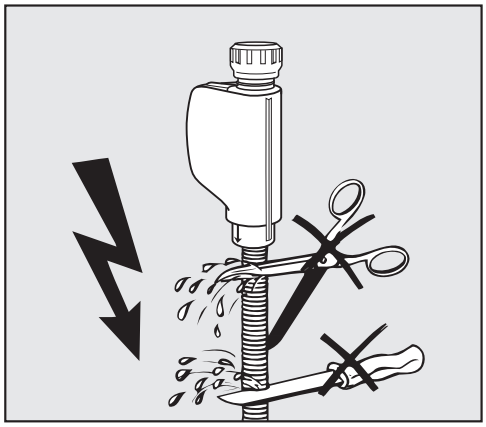
– Water pressure (flow pressure) must be at least 2 bar (200 kPa). If water (flow) pressure is below 2 bar (200 kPa), water intake times will automatically be lengthened. The maximum permissible static pressure is 10 bar (1000 kPa). If water pressure is not in the range of 2 - 10 bar (200 - 1000 kPa) contact Miele for advice.

– The dishwasher is supplied as standard for connection to cold water (blue coded hose) **and** hot water up to 65 °C (red coded hose). Connect the inlet hoses to the stopcock valves for cold and hot water.

– If there is no hot water supply available, the inlet hose coded **red** must also be connected to the cold water supply.

– A stopcock valve with a 3/4" male thread must be provided on site. It should be easily accessible so that the water supply can be turned off when the appliance is not in use.

– The DN 10 inlet hose is approx. 1.7 m long terminating in a 3/4" female thread. A 1.5 m long flexible metal extension hose pressure tested to 140 bar (14 000 kPa) is available as an optional accessory if required. On no account may the inlet filter be removed.



⚠ 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	820 mm (adjustable + 60 mm)
Height with lid	835 mm (adjustable + 60 mm)
Width	598 mm
Depth with door open	580 mm 1180 mm
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 pressure
Recommended flow pressure: Cold and hot water connection	 200 kPa
Minimum flow pressure: Cold and hot water connection	 40 kPa
Delivery head	min. 0.3 m, max. 1.0 m
Drainage length	max. 4.0 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 59 dB (A) 47 dB (A)
Test certificates awarded	EMC, VDE, radio and television suppressed
CE-mark	2006/42/EC Machine guidelines
Manufacturer's address	Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany

International Service Contacts
America: +1 866 694 5849
Australia, Asia, Oceania: +61 3 9764 7880
Europe, Africa, Middle East: +49 5241 89 66 877
E-mail: service@miele-marine.com

www.miele.com/marine-service

Manufacturer: Miele & Cie. KG, Carl-Miele-Straße 29, 33332 Gütersloh, Germany

Alteration rights reserved / Publication date: 2016-08-31 M.-Nr. 10 437 971 / 00

CE