Miele

Operating Instructions
Commercial Dishwasher
PFD 402 / PFD 402 DOS
PFD 404 / PFD 404 DOS
PFD 405 / PFD 405 DOS
PFD 407 / PFD 407 DOS

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

en-US, CA

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Contents

Guide to the manual **6**
Symbols used on the commercial dishwasher 7
Definition of terms 7
IMPORTANT SAFETY INSTRUCTIONS **8**
APPROPRIATE USE 8
Warning signs attached to the dishwasher 11
Disposal of your old dishwasher 11
Caring for the environment **12**
Machine description **13**
Appliance overview 13
Control panel 14
LEDs in the buttons 15
User profiles **16**
User groups 16
Operation tips **17**
Switching on 17
Switching off 17
Standby/Off 18
Display illustrations 18
Touch display 18
Lists 18
Setting numerical values 18
Status window 19
System messages ⓘ 19
Fault messages ⚠ 19
Commissioning **20**
WiFi setup 20
Opening and closing the door **23**
Door lock 23
Comfort Door Lock 23
Pull-open lock 24
Filling the container for reactivation salt **25**
Water hardness 25
Setting the water hardness 25
Salt refill indicator 27
Reactivation notification 27
Machine blocked if salt is not available 27
Cleaning agent and rinsing agent **29**
Dispensing systems 29
Dispenser module 29
Process chemicals 30
Filling the door dispenser 30
Tips for the Rapid program 31
Refill indicator 32
Replacing the media canister 32

Rinse aid ... 33
Refill indicator ... 33
Filling the door dispenser ... 33
Refill indicator ... 34
Replacing the media canister ... 34
Loading the dishwasher ... **35**
Preparing the wash items ... 35
It is recommended ... 36
Upper basket ... 36
Adjusting the upper basket ... 37
Lower basket ... 38
Use of plastic trays ... 39
Operation ... **40**
Switching on ... 40
Selecting a program ... 40
Starting a program ... 40
Starting the program using a timer ... 40
Program sequence display ... 41
End of the program ... 42
Switching off ... 42
Unloading the dishware ... 42
Interrupting a program ... 42
Canceling a program ... 43
Machine functions ... **44**
Menu structure ... 44
Filter interval ... 45
Dispensing systems ... 45
Filling dispensing paths ... 45
Rinsing dispensing paths ... 46
Dry+ ... 47
Program selection ... 47
Extension ... 47
AutoOpen ... 48
AutoClose ... 48
Settings ... **49**
Menu structure ... 49
Time of day ... 50
Date ... 50
Display brightness ... 51
Volume ... 51
Welcome tone ... 52
Button reaction ... 52
Temperature unit ... 52
Additional settings ... **53**
Menu structure ... 53
Filter program lock ... 55
Standby/Off ... 55
Log book ... 56
Program release ... 56
Set Favorites ... 57

Contents

Program parameters 57
Selecting a program 57
Wash temperature 58
Main wash holding time 58
Final rinse temperature 58
Final rinse holding time 58
Increased water level 59
Changing the name 59
Interim rinse 59
Resetting parameters 59
A0 value display 60
Dispensing systems 60
Selecting a dispensing system 60
Door dispenser 61
Activating dispensing from the media canister 61
Deactivating dispensing from the media canister 61
Dispensing concentration 62
Filling dispensing paths 62
Rinsing dispensing paths 62
Cycles until empty 62
DOS program lock 62
Water hardness 63
Reactivation notification 63
Memory 63
PIN code 64
Entering a PIN code 64
Blocking further settings or making them available 64
Changing the PIN code 65
Safe mode 65
Exiting Safe mode or adjusting settings while in Safe mode 65
Door lock code 66
Networking/Wi-Fi 66
WiFi setup 66
Connection via WPS 67
Soft AP 67
Connecting via Soft AP 67
RemoteUpdate 68
Demo mode 68
Software version 68
Data plate 68
Factory default settings 69
Legal information 69

Cleaning and care **70**
MAINTENANCE 70
Wipe lock 70
Cleaning the control panel 70
Cleaning the machine front 71
Cleaning the wash cabinet 71
Cleaning the door and the door seal 71
Cleaning filters in the wash cabinet 71

Changing the air filter (depending on the model) ... 73
Removing the plastic support ... 73
Replacing the filter ... 73

Troubleshooting ... **74**
Technical faults ... 74
Faults with water inlet or drainage ... 75
Cancel with fault code ... 75
Door ... 77
General problems with the dishwasher ... 78
Noises ... 79
Poor cleaning results ... 80

Frequently asked questions ... **82**
Cleaning the water inlet filter ... 82
Cleaning the drain pump and non-return valve ... 82

Miele Service ... **83**

Program chart ... **84**

INSTALLATION INSTRUCTIONS ... **86**

Installation ... **87**
Installation ... 87
Undercounter installation ... 87
Hose holder ... 87
Adjustable toe-kick panel (depending on the model) ... 88
Leveling and securing the dishwasher ... 88
Moving the dishwasher's installation site ... 89

Electrical connection ... **90**
GROUNDING INSTRUCTIONS ... 90
Peak-load negotiation ... 90

Plumbing ... **91**
Connecting the water inlet ... 91
Connecting the water drainage system ... 92

Technical details ... **93**

Warnings

⚠ Warnings contain information related to safety. This alerts you to the potential danger of injury to people or damage to property. Read the warnings carefully and follow the instructions and directions.

Notes

Notes contain information that is particularly important to follow.

Additional information and comments

Additional information and comments are contained in a simple frame.

Operating steps

Instructions on operation are identified by specially marked operating steps. They explain the procedure step by step. Operating steps are indicated by a black square bullet point.

Example:

■ Open the door.

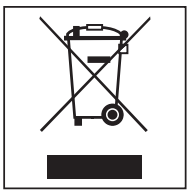
Display

Information that is shown in the Commercial Dishwasher display appears in a special font similar to the display text.

Example:

Select ⚙ Settings and confirm your choice with the *OK* button.

Symbols used on the commercial dishwasher

Symbol	Legend
	For warnings and safety notes; see “IMPORTANT SAFETY INSTRUCTIONS”
	ETL mark
	Do not dispose of electrical machines in household waste; they need to be disposed of separately, see “Disposal of your old machine”
	Manufacturer

Definition of terms

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

Wash items The term “wash items” is used wherever the items to be reprocessed are not defined in any further detail.

Wash water The term “wash water” refers to water or to a mixture of water and process chemicals.

Process chemicals All media dispensed during a program sequence are generally referred to as process chemicals, e.g., cleaning agents.

Cycle Machine-based cleaning and reprocessing procedures are generally referred to as cycles.

IMPORTANT SAFETY INSTRUCTIONS

APPROPRIATE USE

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

WARNING:
When using your dishwasher, follow basic precautions, including the following:
Read the operating instructions carefully before using the Commercial Dishwasher for the first time. They contain important information on the safety, use, and maintenance of the machine. Keep these operating instructions in a safe place and pass them on to any future user.

▶ This Miele Dishwasher with its short program cycle times and powerful cleaning performance is intended for commercial use, for example in:

- senior living facilities
- hospitals (NSF 3 classified dishwashers only)
- restaurants and pubs
- hotels and guesthouses
- similar commercial environments

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

▶ This machine is designed exclusively for use as a “dishwasher” for cleaning wash items as described in these instructions. Conversions, modifications, and any other use are not permitted.

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

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

▶ This dishwasher is not intended to be used to clean medical devices or products.

▶ 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 while using it or have been shown how to use it in a safe way and understand and recognize the consequences of incorrect operation.

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

▶ Children should be supervised in the vicinity of the dishwasher. Never allow children to play with the dishwasher. There is a danger that children might shut themselves in the dishwasher.

▶ Children must not use the dishwasher.

Proper installation

▶ Do not install the machine in an area where a danger of explosion or of freezing temperatures may be present.

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

▶ In order to reduce the risk of damage from condensation, the cabinetry in the area around the dishwasher should be designed for commercial use.
Delicate cabinetry can be protected using the damp protection set, which is available as an optional accessory.
The vapor barrier film needs to be adhered to the underside of the countertop where the dishwasher door is opened.

Technical safety

▶ This dishwasher should be installed, commissioned, repaired, and maintained by Miele Service, a dealer, or a suitably qualified specialist. Unauthorized installation, maintenance, and repairs can cause considerable danger for the user.

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

▶ Do not operate your dishwasher unless all enclosure panels are properly in place. Before using the dishwasher, check it for any externally visible damage. Do not use a damaged dishwasher. This could be dangerous.

▶ In the event of a damaged or leaking dishwasher, switch off at the power supply immediately and call Miele Technical Service, a Miele dealer, or a suitably qualified service technician.

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

▶ WARNING – Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded. Do not modify the plug provided with the appliance, if it will not fit the outlet, have a proper outlet installed by a qualified electrician.

▶ Please follow the advice on installation in these operating instructions and the installation plan.

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

▶ WARNING - Fire hazard! Do not cover or crush the plug of the appliance. Ensure that the cabinet opening for the dishwasher provides ample space for the plug and cord. Installing the dishwasher in a tight space may crimp the power cord or put pressure on it. See “Electrical connection”.

▶ Do not use an extension cord to connect this machine to electricity. Extension cords do not guarantee the required safety of the machine (e.g., danger of overheating).

▶ Do not open the casing of the dishwasher. Any contact with live connections or tampering with the electrical or mechanical components of the dishwasher will endanger your safety and may lead to machine malfunctions.

▶ The dishwasher must not be used if the wire is damaged. A damaged wire may only be replaced by a suitable wire of the same type. For safety reasons, such replacement should only be carried out by Miele Technical Service or a qualified service technician.

▶ Before servicing the appliance, disconnect it from the power supply.

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

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

Correct use

▶ This dishwasher is designed for operation with water and cleaning agents suitable for use in dishwashers only. Organic solvents and flammable liquid agents must not be used. This could cause an explosion, damage rubber or plastic components in the dishwasher, and cause liquids to leak out of it.

▶ Only use cleaning agents formulated for use in dishwashers. Unsuitable cleaning agents could adversely affect components of the dishwasher or the wash items.

▶ Do not sit, stand, or lean on the opened door or dish rack. This could tip or damage the dishwasher.

▶ After any plumbing work, the water pipework to the dishwasher will need to be vented. If this is not done, components can be damaged.

IMPORTANT SAFETY INSTRUCTIONS

▶ Please be aware that the dishwasher may be operating at high temperatures. When the door is opened there is a risk of burning or scalding. Wash items, baskets, and inserts must be allowed to cool down before they are unloaded. Any water remaining in containers could still be very hot. Empty them into the wash cabinet before taking them out.

▶ The water in the wash cabinet is NOT safe to drink!

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

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

▶ Depending on the properties of the flooring and footwear worn on it, liquids can cause a slipping hazard. Keep the floor dry where possible and take care to clean up any liquid spills straight away. Take the necessary precautions when cleaning up hazardous substances and hot liquids.

▶ When using cleaning agents and specialized products, it is essential that the manufacturer's instructions are followed. Cleaning agents must only be used for the purpose they are designed for by the manufacturer to avoid any material damage or the occurrence of strong chemical reactions (e.g., oxyhydrogen explosion).

▶ Under certain conditions, hydrogen gas might be produced in a hot-water system that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot-water system has not been used for such a period, before using the dishwasher turn on all hot-water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

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

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

▶ Do not clean the dishwasher or its near vicinity with a hose or a pressure washer.

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

▶ Be careful when sorting items with sharp pointed ends and positioning them in the dishwasher so that you do not hurt yourself or create a danger for others. Cutlery should be placed in baskets in such a way that no injuries can occur.

▶ Arrange sharp and pointy utensils so that they cannot damage the door seal.

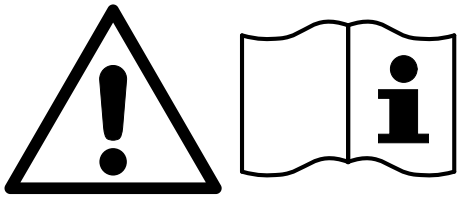
▶ The grille of dishwashers with active drying must not be blocked or sealed.

Accessories

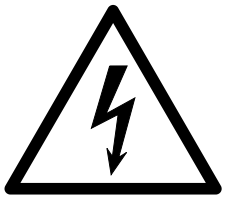
▶ Only use genuine Miele original spare parts and accessories with this dishwasher. Miele will provide you with the article designations of the accessories.

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

Warning signs attached to the dishwasher



Attention:
Observe the operating instructions!



Attention:
Danger of electric shock!



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



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

Disposal of your old dishwasher

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

▶ Remove or disable the door lock, so that children cannot become trapped inside. Ensure a safe removal and proper disposal of the dishwasher (see “Caring for the environment”).

Transport

▶ Only transport the dishwasher in an upright position so that no water flows into the electrical controls, as this would cause faults.

▶ If you wish to transport the dishwasher, empty it and securely fasten all loose parts such as baskets, hoses, and cords.

After use

▶ Remove the door to the washing compartment when removing an old dishwasher from service or discarding it.

Miele cannot be held liable for damage caused by failure to comply with these IMPORTANT SAFETY INSTRUCTIONS.

SAVE THESE INSTRUCTIONS

Caring for the environment

Disposal of the packing material

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

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

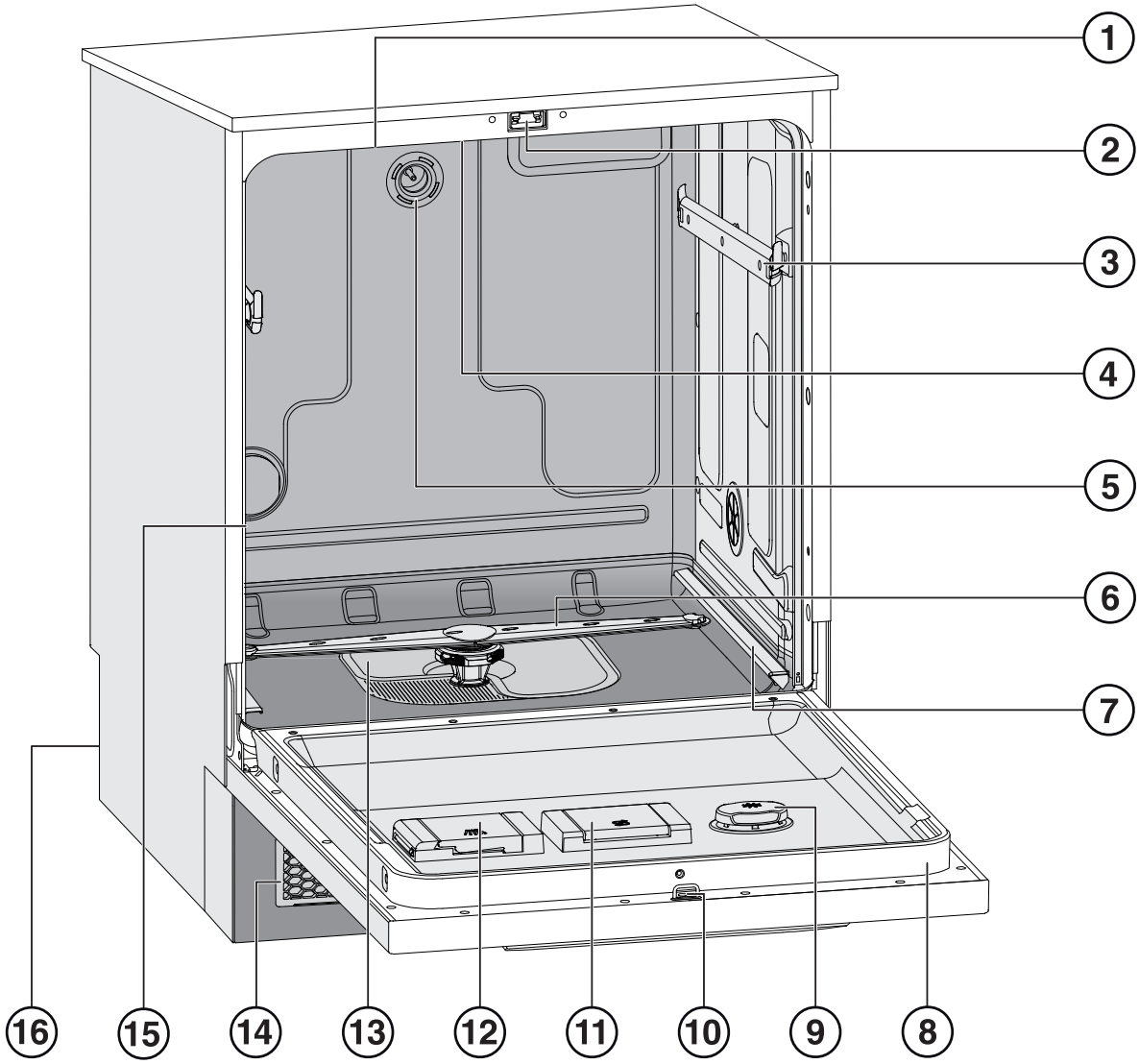
Disposal of your old appliance

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



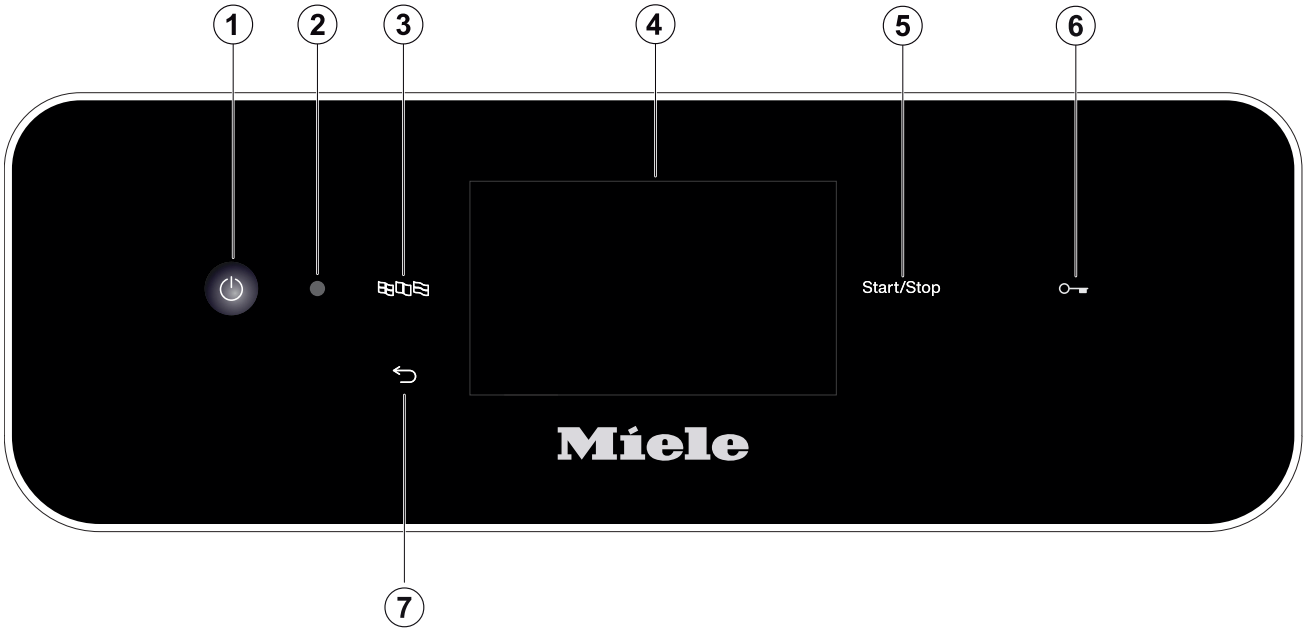
Consult with local authorities, dealers or Miele in order to dispose of and recycle electrical and electronic appliances. Miele assumes no responsibility for deleting any personal data left on the appliance being disposed. Please ensure that your old appliance is kept away from children until removal.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

Appliance overview



① Air inlet for fresh air (depending on the model)
② Door lock
③ Upper basket runners
④ Top machine spray arm
⑤ Upper basket water connection
⑥ Lower machine spray arm
⑦ Lower basket runners
⑧ Data plate
⑨ Rinsing agent container
⑩ Door lock latch
⑪ Container for reactivation salt
⑫ Container for powder cleaning agents
⑬ Filter combination
⑭ Air outlet and inlet grille with filter for fresh air (depending on the model)
⑮ Outlet for wash cabinet air (depending on the model)
⑯ Rear:
- electrical and water connections
- suction wand(s) for external containers (depending on the model)
- connections for external dispenser modules (DOS modules)

Control panel



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

② Service interface
Testing and transmission point for Miele Service

③ button (language selection)
For selecting the display language

④ Touch display
For displaying and selecting control elements

⑤ *Start/Stop* button
For starting or canceling a program

⑥ (Depending on the model)
button (door release)
For opening the door

⑦ ⮌ button (cancel or back)
For canceling a process in the user interface (not for canceling programs)

LEDs in the buttons

Light-emitting diodes are incorporated in the buttons. They indicate the status of the dishwasher.

Button	LED	Display	Status
Display (Reaction to ⏻ On/Off switch)		**ON**	The dishwasher is switched on.
		OFF	The dishwasher is switched off.
Start/Stop button	**Pulsing**	**OFF**	The dishwasher is in standby mode.
		ON	A program has been selected, but has not yet started.
		ON	A message has appeared on the display.
	Flashes red		A fault has occurred (see the fault message on the display and the “Problem solving guide”).
	ON		A program is running.
	OFF		A program has finished.
(Depending on model)			
⊶ button (door button)	**ON**		A program has been selected, but has not yet started.
			A program is running.
	FLASHING		A program has finished and the door is closed.

User profiles

User groups

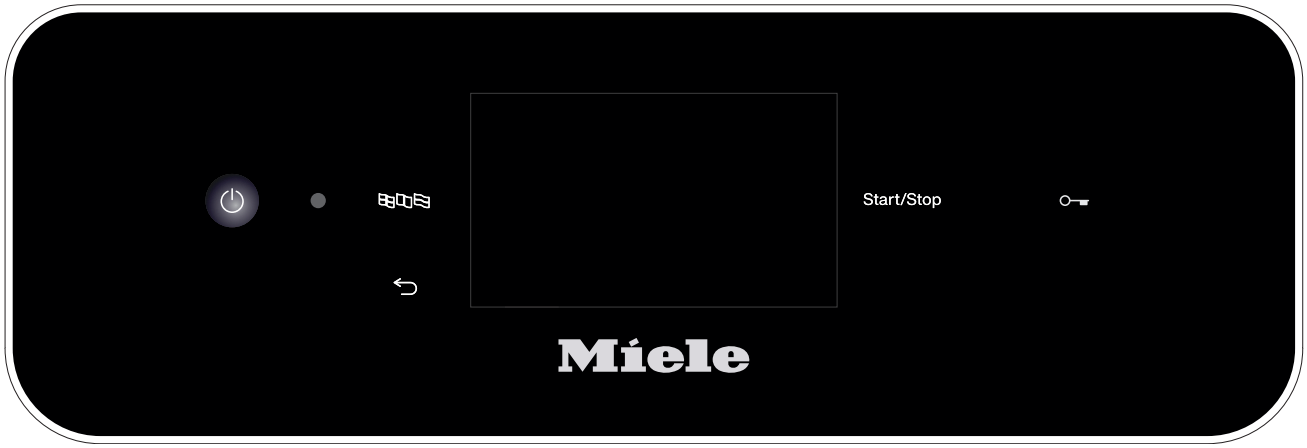
Users can be divided into two groups:

- **Daily operators**

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

- **Experienced operators**

  Experienced operators can additionally block access to programs and modify program parameters. These functions are stored in a PIN code-protected area of the control unit.



Operation

Operation is carried out via the touch display as well as via the buttons on the control panel.

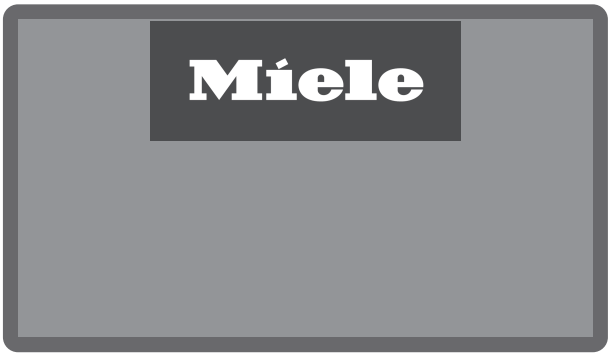
The sensor controls on the control panel and the buttons on the display react to finger tip contact. Every touch on the sensor controls is confirmed by a keypad tone. You can adjust the volume of the keypad tone or switch it off (see “Settings/Volume”).

The control panel with sensor controls and the touch display can be scratched by pointed or sharp objects, e.g., pens.
Only touch the control field with your fingers.

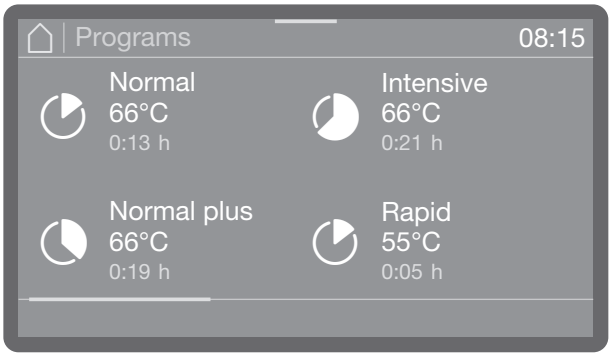
Switching on

The dishwasher needs to be connected to the electricity supply.

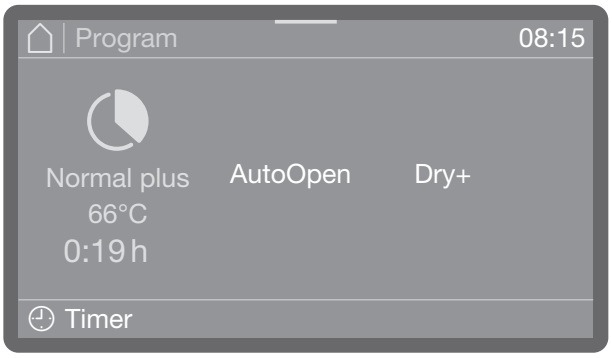
- Press and hold the ⏻ button until the following appears on the display:



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



If the Memory function is activated, the most recently started program is displayed, e.g.:



Switching off

- Press the ⏻ button.

The dishwasher remains in standby mode for about one minute before it switches off completely.

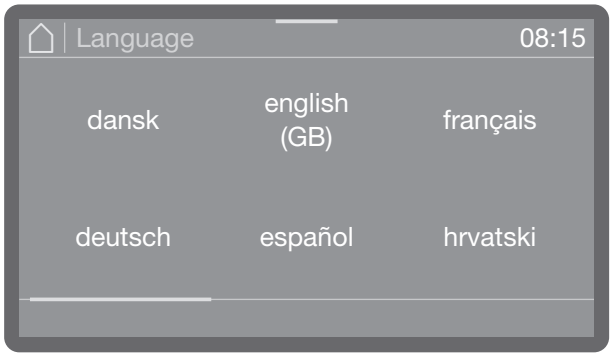
Standby/Off

If the dishwasher has not been used for 10 minutes, it can be set to standby or switched off automatically.

In standby mode, the dishwasher remains switched on and the *Start/Stop* button flashes. The dishwasher can be reactivated by pressing the *Start/Stop* button, touching the display, or opening the door.

After automatic switch-off, the dishwasher is switched off and can be switched on again by pressing the ⏻ button.

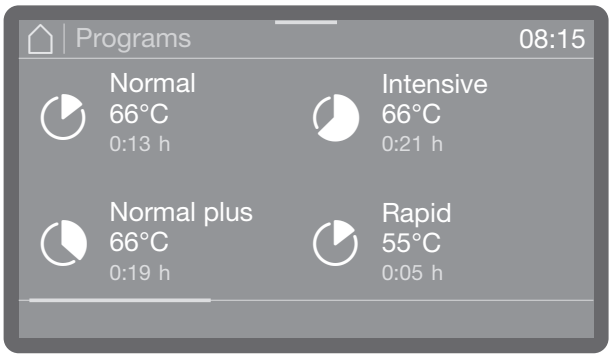
Display illustrations



All display illustrations shown in these operating instructions are examples which can be different from the actual display screens shown.

Touch display

Lists

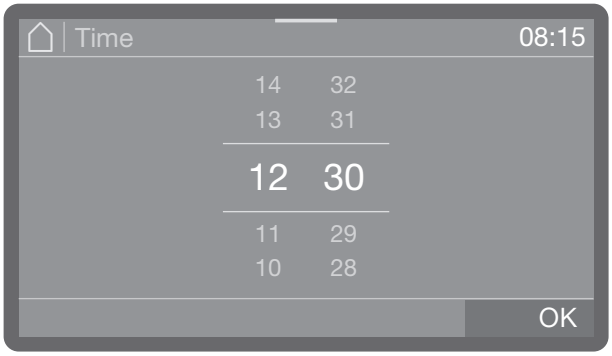


You can scroll to the right or the left by swiping your finger across the screen. To do this, place a finger on the touch display and swipe it in the direction you want.

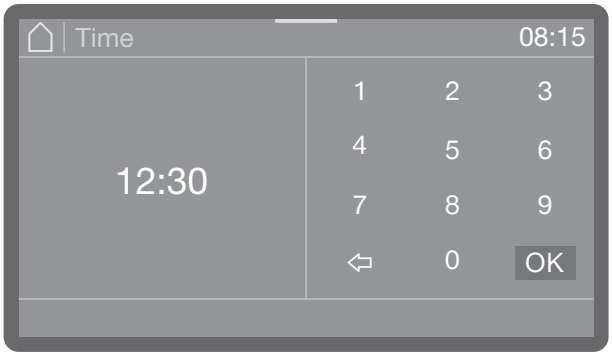
The colored scroll bar shows that there are further options to choose from.

Setting numerical values

Numerical values can be entered in 2 different ways.



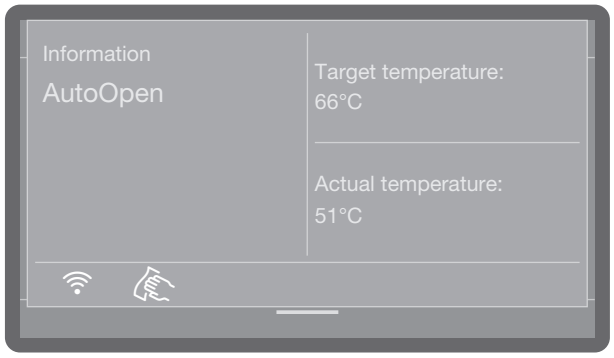
Firstly, you can place a finger on the numbers highlighted in color and change them by swiping up or down.



Secondly, you can call up a numerical keypad by briefly tapping the numbers highlighted in color and then entering the numbers directly.

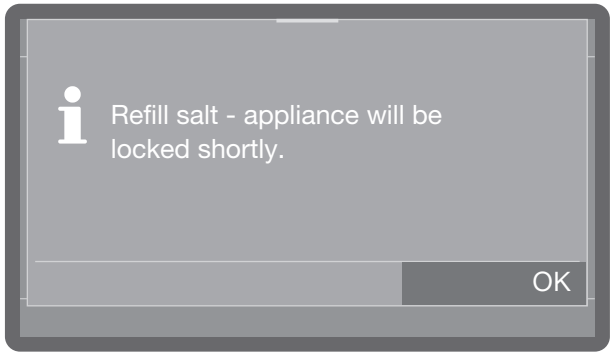
Depending on the context, numbers entered directly may be rounded up or down. If, for example, it is only possible to enter values in increments of 10 (10, 20, 30, etc.), the value is rounded down to 10 when you enter 12, and rounded up to 20 when you enter 15.

Status window



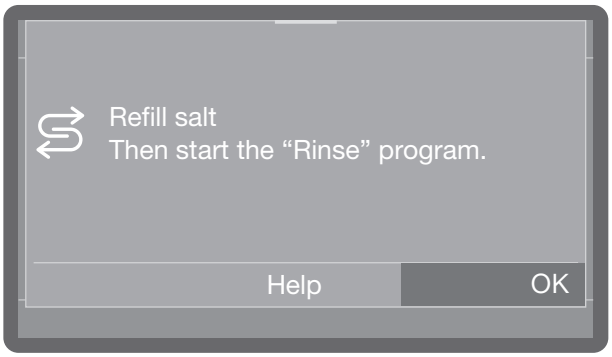
A colored bar is shown at the top of the display. If you tap this and drag it down, a status window opens. You can use this to display various status messages, e.g., about the program in progress.

System messages i



The i symbol denotes system messages. These give information about current processes and the status of the machine. System messages are displayed at the end of the program. If there is more than one system message, they are shown one after the other and must be acknowledged individually by pressing OK.

Show me how



If you are notified of a fault or defect when switching on the machine or at the end of the program and the Help button is presented to you, you can tap the Help button to be guided through the individual steps to be carried out in order to eliminate the fault or defect.

Fault messages ⚠



In the event of a fault, a warning symbol ⚠ appears on the display and the *Start/Stop* button flashes red in rapid succession. If audible signals are activated, a warning tone will also sound.

- Acknowledge the fault by tapping on the warning symbol. Then follow the instructions on the display and in the “Frequently asked questions”.

Installation and connection

Before commissioning, the dishwasher must be securely installed, and the water inlet, drain hoses, and the power cord correctly connected. Follow the instructions in “Installation”, “Water connection”, and “Electrical connection” as well as the installation plan.

Process

The commissioning process requires a set period of time which cannot be interrupted.

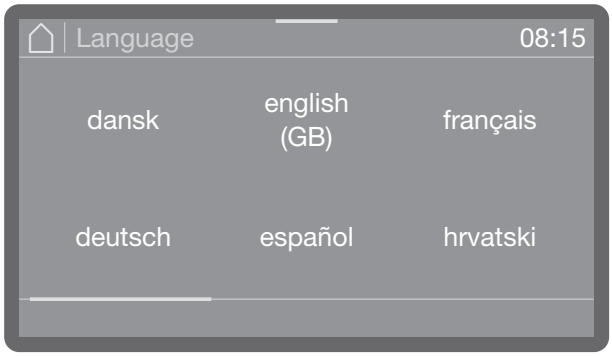
All settings, except for water connections, can be retrospectively altered via the Machine functions, Settings, and Extended settings menus.

Switching on

- Press the ⏻ button.

Selecting the language

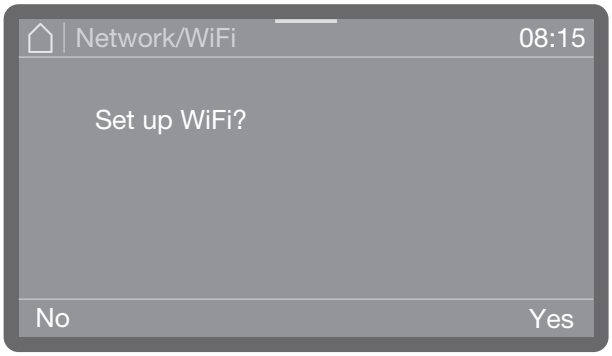
Commissioning starts with the selection of the display language.



- Scroll to the language you want and select it by tapping on it.

WiFi setup

In the next step, you can connect your dishwasher to the WiFi network.



- Select No if you do not want to integrate the dishwasher into the WiFi network or want to do it later.
- If you select Yes, the next steps will guide you through the process to set this up. Please refer to “Additional settings, Networking/WiFi”.

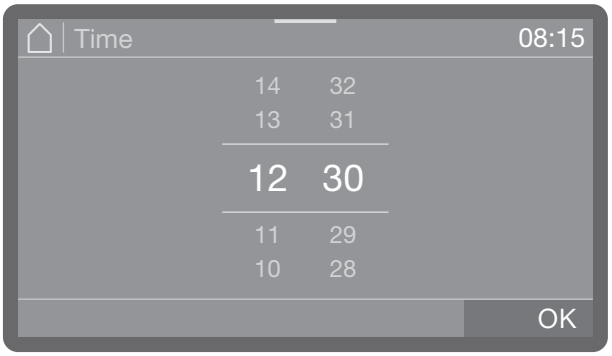
Setting the date



- Set the date. The order of year, month, and day is the same regardless of the date format set.
- Press OK to save the setting.

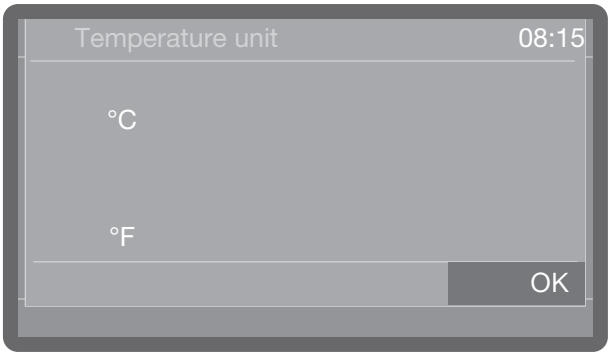
Setting the time of day

The time of day is set in the set time of day format.



- Set the time of day and confirm your selection with the OK button.

Setting the temperature unit



- °C

  Temperature display in Celsius.

- °F

  Temperature display in Fahrenheit.

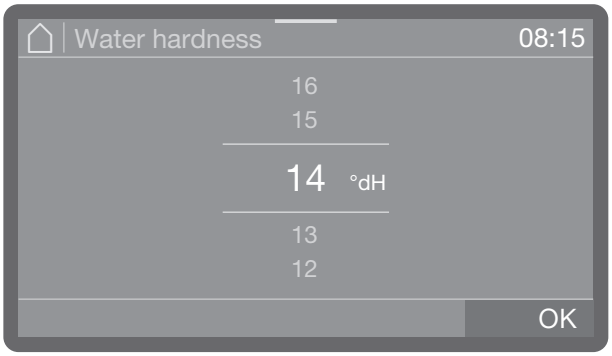
- Select the temperature unit you want and confirm your selection with the OK button.

Setting the water hardness

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

With varying water hardness, always set the highest level. If the water hardness fluctuates between, for instance, 8.3 and 17.7 gpg (8 and 17°dH), the water hardness must be set to 17.7 gpg (17°dH).

The water hardness setting values can be found in the chart in “Filling the salt container”.



- Set the water hardness.
- Press OK to save the setting.

It is useful to know your water hardness so that you can provide the service technician with this information in the event of any subsequent service calls. Document the water hardness in “Filling the salt container”.

Selecting water connections

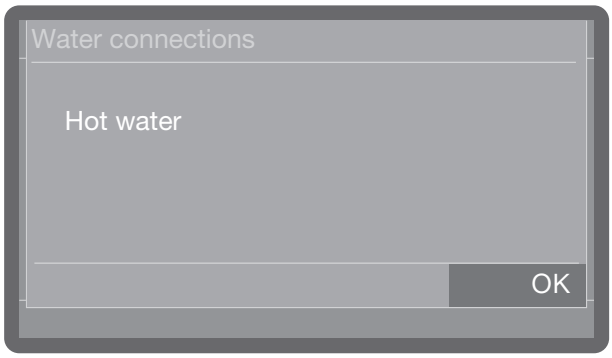
All available water connections are activated in the control system at the factory. Individual water connections can be subsequently deactivated, e.g., if no connection options are available for them.

Following commissioning, the water connections can be reinstated by Miele Service.

■ Select one of the available water connections, e.g.:

- Hot water

Hot water connection



The activated water connection is highlighted in color. Tapping the connection removes the color and permanently deactivates the water connection.

■ Select OK to confirm your choice.

Commissioning completed

Your machine has been successfully commissioned once you see the following message.



■ Confirm the message with OK.

The dishwasher is now ready for operation.

Door lock

Depending on the model, the dishwashers are equipped with a Comfort Door Lock with electronic door lock or a pull-open lock. Dishwashers with a Comfort Door Lock have a ⊶ door button on the control panel. This button is not available on machines with a pull-open lock.

Comfort Door Lock

The door of the wash cabinet is equipped with a Comfort Door Locking Mechanism. When the door is closed, the Comfort Door Locking Mechanism automatically pulls the door into the closed position and thus ensures it is sealed. The door is locked electronically.

For opening the door

A door that has been locked electronically can be opened under the following circumstances:

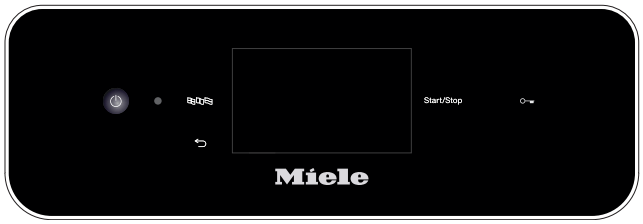
- The machine is connected to the power supply and switched on (the ⏻ LED is lit up).
- The ⊶ LED is lit.

■ Press the ⊶ button to open the door.

If the temperature in the wash cabinet exceeds 153°F (67°C), a message is shown on the display: Hot wash cabinet: Risk of injury, take care when opening the door..
Press the ⊶ button again to open the door.

The Comfort Door Lock opens the door slightly. The LED in the button goes out as soon as the door is unlocked.

The control panel of the machine is also a door handle.



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

Close the door.

■ Make sure that no objects or wash items protrude into the closing area of the door.

⚠ Risk of injury caused by crushing.
Do not put your hand inside the door as it is closing. Risk of crushing.

■ Raise the door upward until the catch engages.

The door will be drawn into its final close position if the AutoClose function is activated (see “AutoClose”).

Opening the door using the emergency release

The emergency release may only be used when it is no longer possible to open the door normally, e.g., in the event of a power failure.

⚠ Danger of scalding, burning, and chemical burns!
If the emergency release is operated during a program sequence, hot water and process chemicals can escape.
Only open the door using the emergency release when strictly necessary.

The emergency release mechanism is located on the right beside the door lock in the gap between the door and the lid of the machine or the countertop.
There should be 3/8" (1 cm) between the right edge of the tool and the right edge of the display.

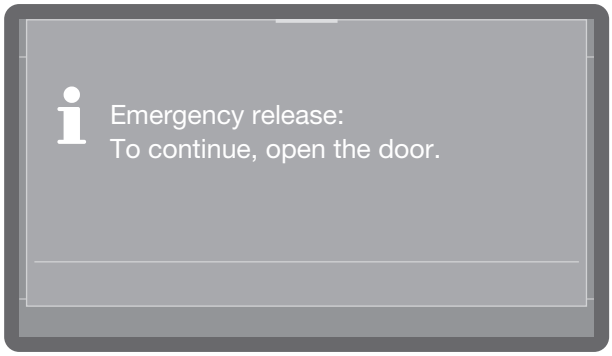
■ Press against the door to release the emergency release mechanism.



■ Insert the tool from the accessory pack horizontally into the gap between the door and the lid or countertop.

■ Press the tool against the release mechanism until you hear the door open. Continue to press the tool against the release mechanism and fully open the door.

If the machine is switched on, the following message is shown on the display when the emergency release is triggered:



The message is acknowledged when the door is closed.

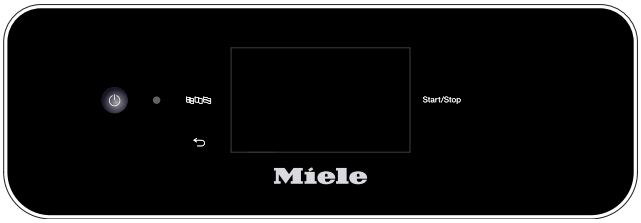
Pull-open lock

In the case of dishwashers with a pull-open lock, the door can be opened at any time, even during a program sequence. In the latter case, special caution is needed.

Opening the door

⚠ Danger of scalding, burning, and chemical burns!
If the door is opened during a program sequence, hot water and process chemicals can escape. The program in progress is also interrupted and, under certain circumstances, even canceled.
Do not open the door if a program is running.

The dishwasher control panel also serves as a door handle.



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

Close the door.

- Make sure that no objects or wash items protrude into the closing area of the door.

⚠ Risk of injury caused by crushing.
Do not put your hand inside the door as it is closing. Risk of crushing.

- Raise the door upward until the catch engages.

Water hardness

In order to achieve excellent cleaning results, the machine requires a supply of soft water with a low calcium content. Hard tap water results in the build-up of calcium deposits on wash items and on the wash cabinet walls.

Tap water with a water hardness of 4 gpg (4°dH) or more must be softened. This occurs automatically during a program sequence in the built-in water softener.
The water softener must be set to the exact hardness of the tap water (see “Setting the water hardness”).

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

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

_____gpg or °dH

The water softener must be reactivated at regular intervals. Special reactivation salt is required for this. Reactivation is carried out automatically during a program sequence.

If the water hardness level of your water is consistently less than 4 gpg (= 4°dH), salt is not required for the water softener. The water hardness level must, however, still be set.

Setting the water hardness

Water hardness can be set between 0 and 70 gpg (0–70°dH).

The water hardness is preset to 14 gpg (14°dH) at the factory.

With varying water hardness, always set the highest level. If the water hardness fluctuates between, for instance, 8.3 and 17.7 gpg (8 and 17°dH), the water hardness must be set to 17.7 gpg (17°dH).

Water hardness setting values can be found in the chart on the next page.

The menu is saved under the following input path.

Extended settings

Water hardness



- Set the water hardness.
- Press OK to save the setting.

Filling the container for reactivation salt

Settings table

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

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

*) Factory default setting

Salt refill indicator

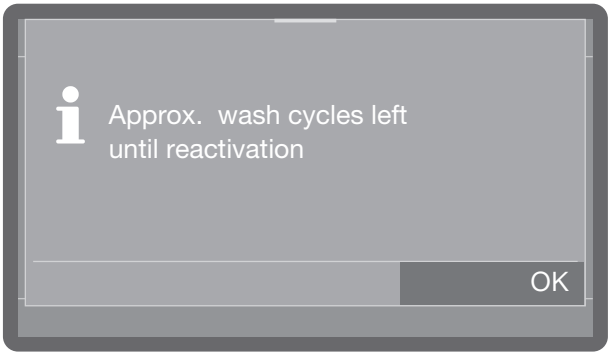
If the level in the salt container is low and a reactivation is carried out, the following message appears on the display:



- Confirm the message with *OK*.
- Fill the salt container as described.

If the message is being displayed for the first time, further program runs may be possible depending on the set water hardness. If no salt is added, the message is displayed again at the end of every program.

Reactivation notification



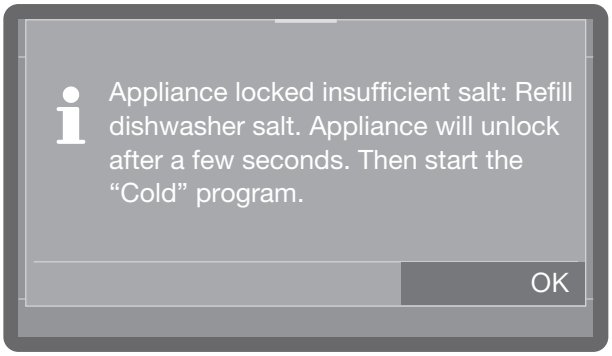
You can set how many cleaning cycles in advance you want to be notified of the upcoming reactivation; see “Extended settings”, “Reactivation notification”.

Machine blocked if salt is not available

If the salt in the water softener has been used up, a fault appears on the display and the machine blocked from performing further applications.



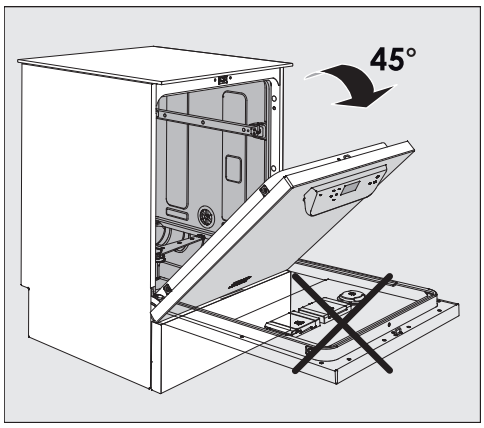
Acknowledge the fault by tapping on the warning symbol. Then follow the instructions on the display:



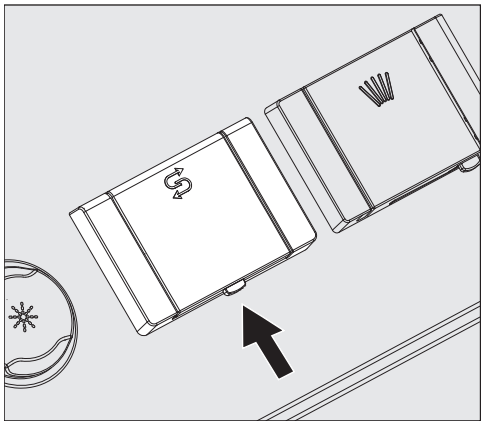
- Fill the salt container as described.

The machine lock is lifted with a delay of a few minutes once salt has been added.

Filling the container for reactivation salt

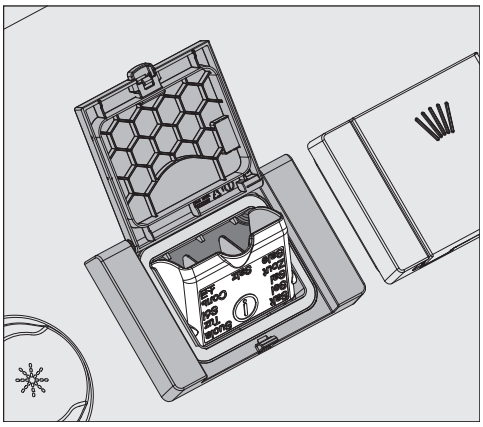


- When filling the salt container, **only open the door halfway** to ensure that all the salt gets into the container.



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

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



- Add salt into the container until the funnel is full but still closes easily. The salt container will take approx. 4.4 lb (2 kg) of salt on the first fill depending on the degree of coarseness.
  Subsequent refills may take less salt, as there may still be salt remaining in the container.

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

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

Dispensing systems

⚠ Risk to health due to process chemicals.
Some process chemicals may be corrosive and irritant. Swallowing process chemicals can cause chemical burns in the mouth and throat or lead to asphyxiation. If process chemicals get into the eyes, they can irritate or burn them.
Observe the relevant safety regulations issued by the process chemical manufacturers when handling process chemicals and take all the protective measures stipulated by the process chemical manufacturers.

Depending on the model, dishwashers are equipped with multiple dispensing systems for process chemicals:

- **Cleaning agent**

  Cleaning agent can be dispensed in powder form, as a tab, or in liquid form. Powder cleaning agent and tabs are dispensed via the door dispenser with the //||\\ symbol. Depending on the model, liquid cleaning agent is dispensed either via an internal dispensing system or via an external dispenser module (DOS module).

- **Rinsing agent**

  Depending on the model, rinsing agent can be dispensed via the door dispenser with the ✳ symbol or via an external dispenser module (DOS module).

External dispenser modules (DOS modules) can be retrofitted at any time by Miele Service, provided that corresponding DOS module connections are available.

Dispenser module

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

Labeling of the suction wands

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

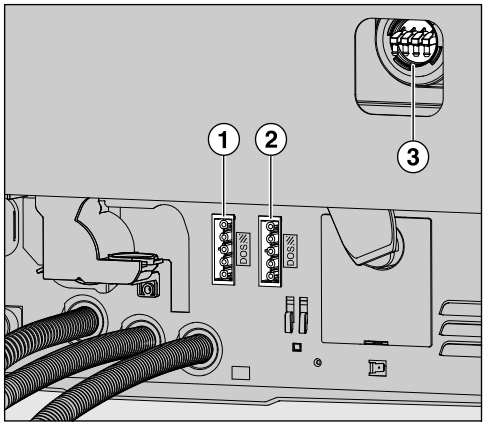
Specific types of soiling may require different combinations of cleaning agents and additives. Miele Customer Service will be able to advise you.

DOS modules

In the case of dishwashers without an internal dispenser pump for liquid cleaning agent, up to two additional, external dispenser modules for liquid process chemicals can be installed retrospectively.
In the case of dishwashers with an internal dispenser pump for liquid cleaning agent, one additional, external dispenser module for liquid process chemicals can be connected.

External dispenser modules can be retrofitted by Miele Customer Service or by a suitably qualified specialist. Internal dispensing systems cannot be installed retrospectively.

The dispenser module comes with separate installation instructions.



① Power supply connection for DOS 1, cleaning agent (depending on the model).

② Power supply connection for DOS 4, rinsing agent.

③ Connections for dispensing hoses.

⚠ Damage caused by incorrect voltage.
Before fitting the dispenser module, compare the connection data (voltage and frequency) on the data plate with that on the data plate of your machine. If the data does not match, the module could sustain damage.
If in any doubt, consult a qualified electrician.

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

Blank off unused connectors for dispensing hoses with safety caps to prevent the leakage of wash water.

Process chemicals

Only use cleaning agent suitable for commercial dishwashers.
Suitable products are available from the Miele Professional product range.

Cleaning agent can be dispensed in powder form, as a tab, or in liquid form.

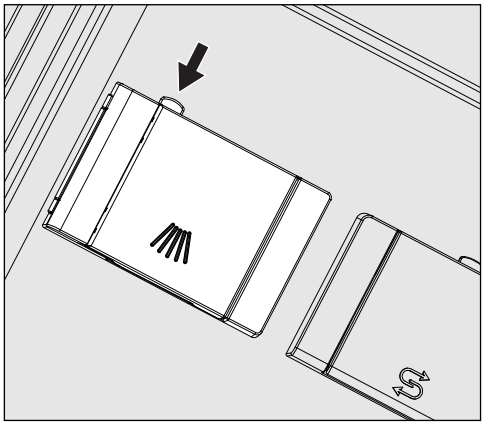
Powder cleaning agent and tabs are dispensed via the door dispenser with the //\\\ symbol.

Only use cleaning agent tabs that are quick-dissolving. Suitable tabs are available from the Miele Professional product range.

Filling the door dispenser

⚠ Risk to health due to dust production.
When dispensing powder cleaning agents and tabs, dust from fine cleaning agents can be stirred up. If this dust gets into the mouth, throat, or eyes, it can cause irritation or burns.
When dispensing powder cleaning agents and tabs, avoid the production of dust as much as possible.

Add powder cleaning agent or a tab to the powder cleaning agent dispenser before every wash program (except Rapid, Rinse, Reactivation, and Drain). Follow the tips on the Rapid program.

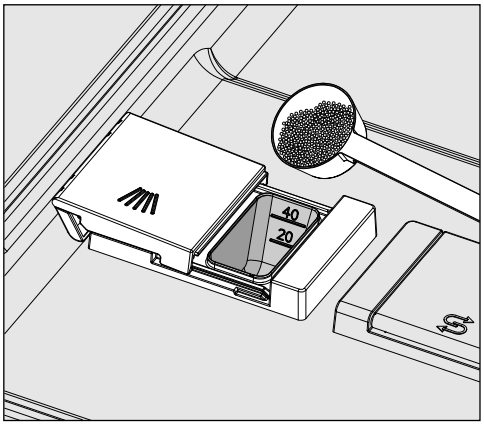


- Press the yellow button on the dispensing canister with the //\\\ symbol.

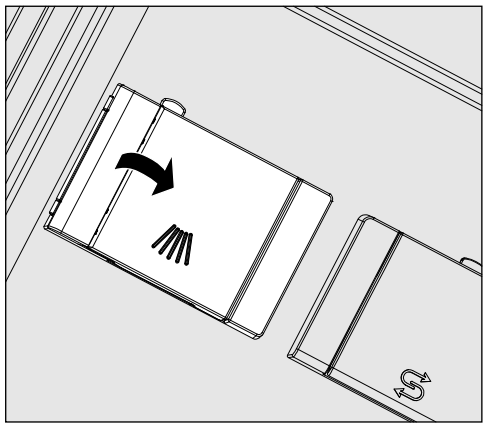
The flap will spring open. The flap is always open at the end of a program cycle.

The level markers in the powder dispensing canister with the door in the horizontal position equate to the amount dispensed in milliliters (ml). The max. capacity is approx. 60 ml of cleaning agent.
The amount in ml equates to approx. the amount normally recommended in grams (g) for proprietary powder cleaning agents. Powder density can affect this amount.

Dispensing example:
Approx. 8.5 liters of water are taken into the machine for the main wash. With a cleaning agent concentration of approx. 3 g/l, you will need approx. 25 g of cleaning agent. Please observe the manufacturer's recommendations, which may vary!



- Add cleaning agent to the dispensing canister.

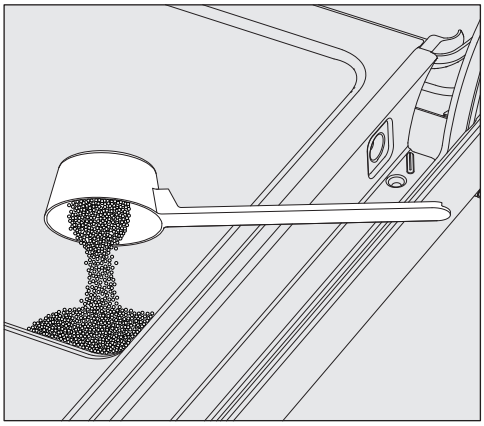


- Close the flap.

⚠ Make sure that all of the cleaning agent has dissolved at the end of the program sequence.
Repeat the program if residual cleaning agent is present.
Check whether any wash items have prevented the flushing out of the dispensing canister and rearrange the wash items if necessary.

Tips for the Rapid program

With the Rapid program, the final rinse water is not pumped away at the end of the program in order to achieve short program runtimes in continuous use.
Cleaning agent cannot be rinsed out of the dispenser during the short program runtime.



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

To avoid corrosion or discoloration, start the wash program immediately after dispensing cleaning agent directly onto the inside of the door.

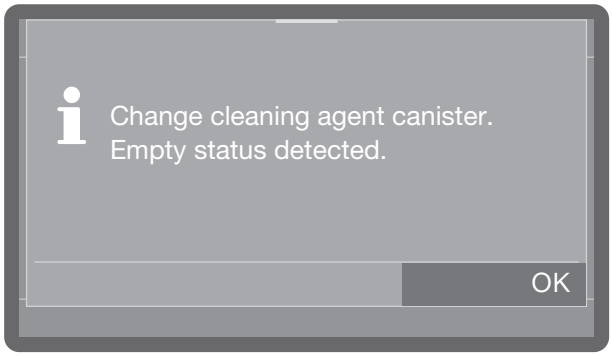
Cleaning agent and rinsing agent

Liquid cleaning agent is dispensed from an external media canister via a suction wand.

Depending on the model, liquid cleaning agent is dispensed either via an internal dispenser pump or via an external dispenser module. Dispenser modules are installed by Miele Customer Service and can be retrofitted at any time.

Refill indicator

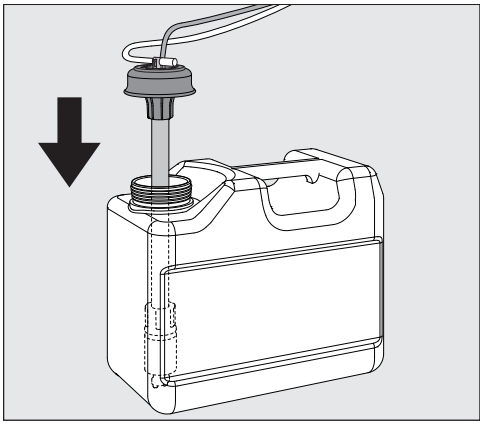
When the fill level in the cleaning agent canister is low, you are reminded to change the media canister.



- Confirm the prompt with *OK* and change the cleaning agent canister.
- Fill the dispensing path (see “Machine functions”)

Replacing the media canister

- Place the liquid cleaning agent container (note the color marking) on the open wash cabinet door or on a surface which is robust and easy to clean.
- Take the lid off the media canister and remove the suction wand. Place the suction wand on the open wash cabinet door.
- Replace the empty container with a full one.



- Push the suction wand into the opening of the container and secure the lid. Observe the color coding.
- Feed the suction wand into the container until it reaches the bottom.
- Wipe up any spilled process chemical thoroughly.

Rinse aid

Rinsing agent is necessary to ensure water does not cling and leave marks on wash items, and to help wash items dry faster after the final rinse.

The rinsing agent concentration must be adjusted in the following circumstances:

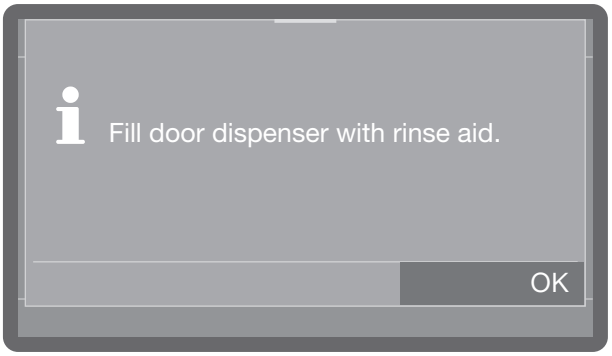
- If there are spots of water left on wash items after reprocessing, then the dispensing concentration is set too low.
- If clouding or smearing appears on wash items after reprocessing, the dispensing concentration is set too high.

The rinsing agent is dispensed in the Final rinse program stage. The container needs to be filled for this purpose.

In the Glasses program (depending on the model), the final rinse is carried out with cold water and without rinsing agent.

Refill indicator

When the fill level in the rinsing agent container is low, you are reminded to refill the dispensing canister, e.g.:

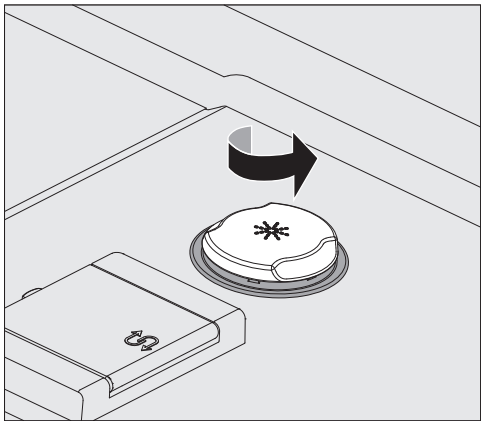


- Confirm the prompt with *OK* and top up the rinsing agent as described.
- Fill the dispensing path (see “Machine functions”)

Filling the door dispenser

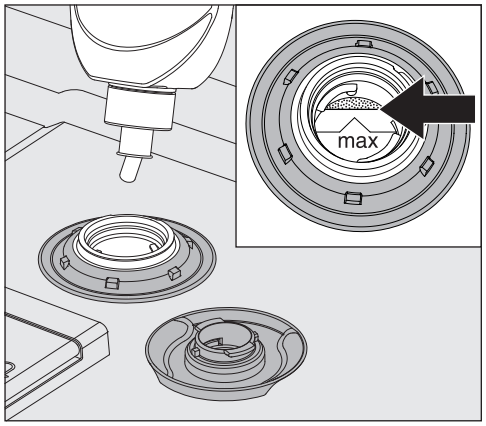
⚠ Never add cleaning agent.
This will always destroy the rinsing agent container!
Only fill the rinsing agent container with rinsing agent for commercial dishwashers.

- Open the door fully.

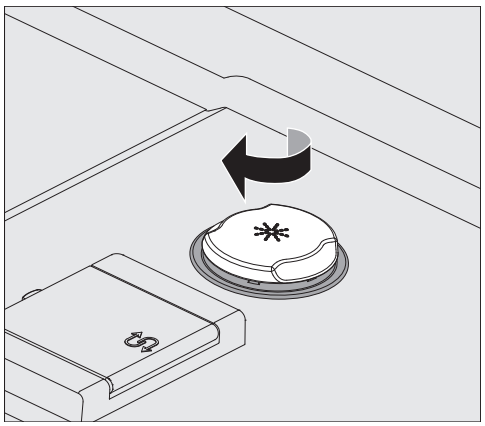


- Unscrew the yellow lid with the ✳ symbol in the direction of the arrow.

The container holds approx. (10 oz) 300 ml.



- Add rinsing agent only until it is up to the “max.” mark on the edge of the funnel.

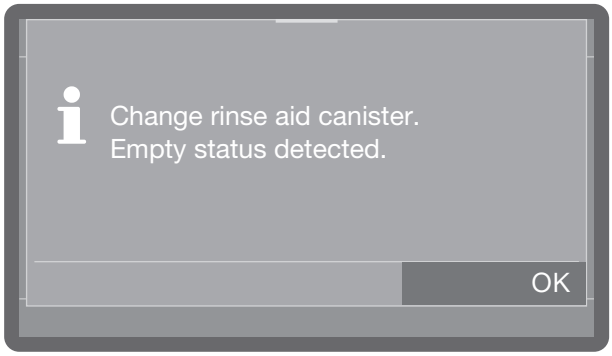


- Close the container.

- Wipe up any spilled rinsing agent thoroughly. This prevents over-foaming during the next program.
  Alternatively, you can start the Rinse program to rinse off any spilled rinsing agent.

Refill indicator

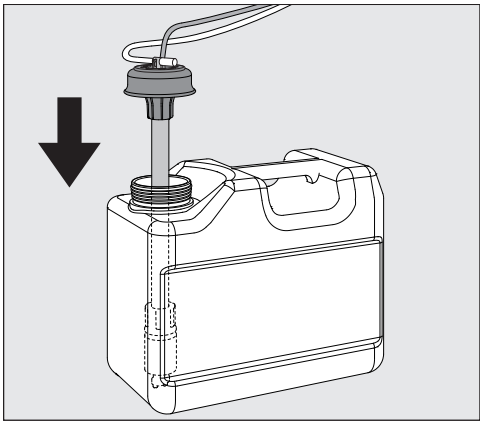
When the fill level in the rinsing agent container is low, you are reminded to change the media canister, e.g.:



- Confirm the prompt with *OK* and change the rinsing agent canister as described.
- Fill the dispensing path (see “Machine functions”)

Replacing the media canister

- Place the rinsing agent container (note the color marking) on the open wash cabinet door or on a surface which is robust and easy to clean.
- Take the lid off the media canister and remove the suction wand. Place the suction wand on the open wash cabinet door.
- Replace the empty container with a full one.



- Push the suction wand into the opening of the container and secure the lid. Observe the color coding.
- Feed the suction wand into the container until it reaches the bottom.
- Wipe up any spilled process chemical thoroughly.

Preparing the wash items

Remove coarse food residues from dishware.

There is no need to pre-rinse items under running water!

Tips

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

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

Load dishware and utensils into the appropriate places in the baskets. The following notes should be observed:

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

Wash items not suitable for dishwashers

- Wooden cutlery and dishware or items with wooden parts may discolor or fade. Furthermore, the glue used in these items is not dishwasher safe. Wooden parts may come loose after being washed in a dishwasher.
- Craft items, antiques, valuable vases, and decorative glasses are not dishwasher-safe.
- Plastic items which are not heat resistant may melt or lose shape.
- Copper, brass, tin, and aluminum items: these may discolor or become matte.
- Colors painted over a glaze may fade after a number of rinses.
- Delicate glasses and glassware containing crystal may become cloudy over time.

It is recommended

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

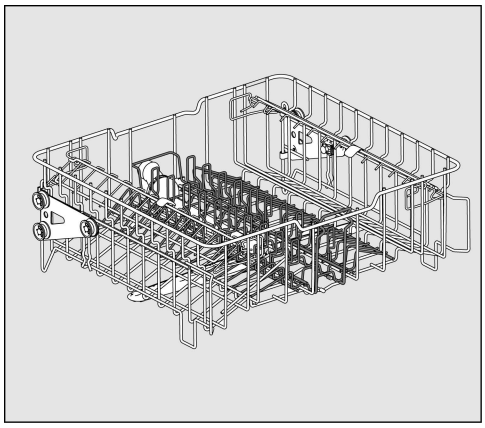
Please note:

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

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

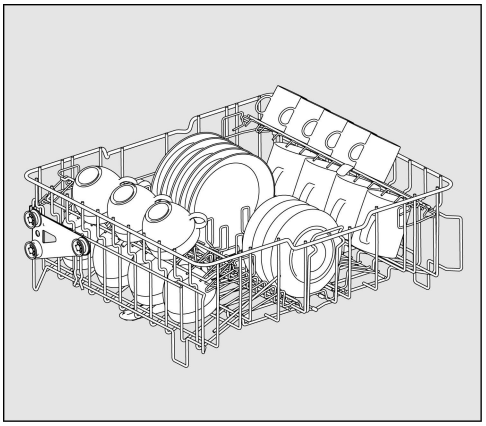
Upper basket

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



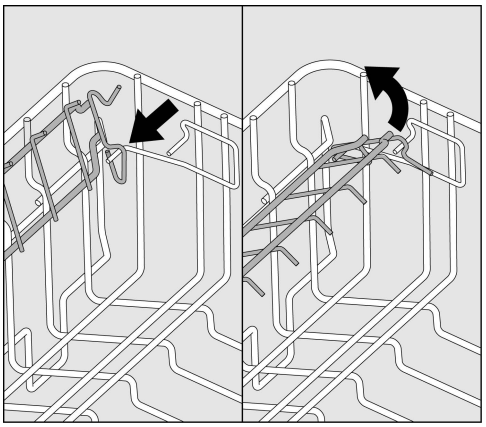
APFD 215 Upper Basket with APFD 415 Insert

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



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

FlexCare cup rack



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

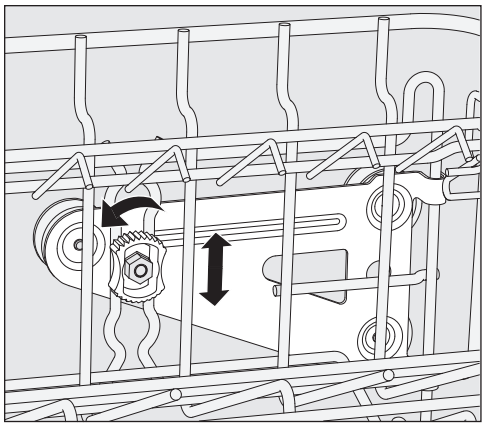
■ Fold up the FlexCare cup rack.

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

Adjusting the upper basket

In order to obtain more space for taller items in the lower or upper basket, the upper basket can be adjusted between two vertical positions that are approx. 2" (5 cm) apart.

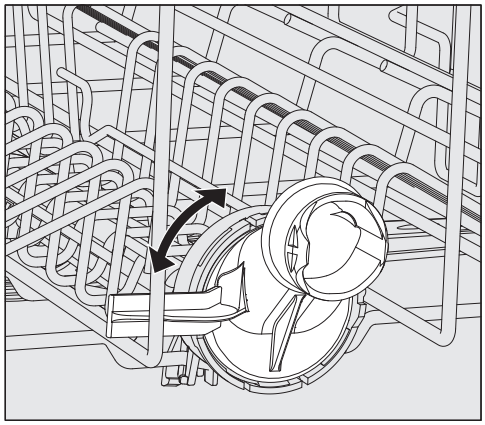
- Pull out the upper basket.



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

The upper basket must be level in both positions.
If the upper basket is inclined, a water connection is not possible.

⚠ Damage caused by the water connection being positioned incorrectly.
The position of the water connection needs to be adjusted after the height of the upper basket has been changed.
When changing the height of the upper basket, always adjust the water connection accordingly before pushing the upper basket back in.



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

Depending on the position of the upper basket, the following plate dimensions can be accommodated:
Example with APFD 215 Upper Basket:

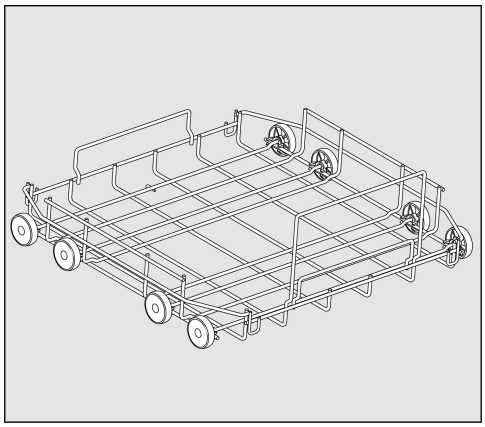
Upper basket position	Upper basket plate Ø	Lower basket plate Ø
Top	Max. 5 7/8" (15 cm)	13" (33 cm)*
Bottom	Max. 7 7/8" (20 cm)	9 3/4" (25 cm)

* The E 816 Plate Insert is required in the lower basket.

Lower basket

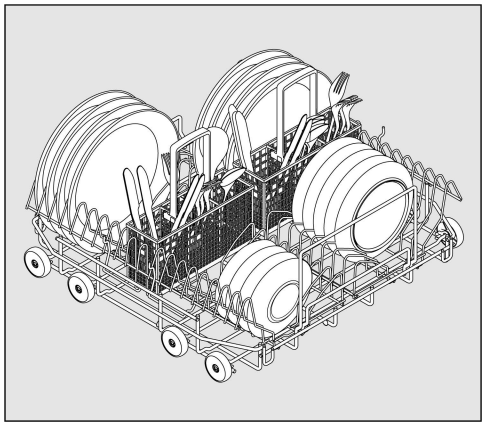
Place larger and heavier wash items such as plates, serving platters, pots, bowls, etc. in the lower basket.
Only place thin, delicate glasses in a suitable insert or lower basket.

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



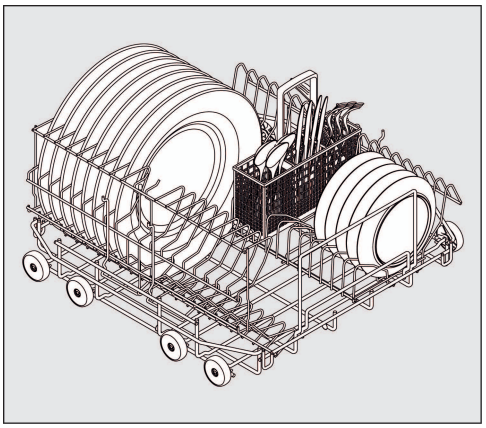
APFD 220 lower basket carrier

For plastic baskets, various inserts, and cutlery baskets.



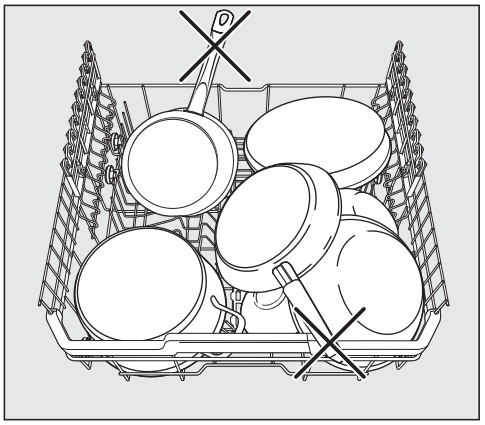
APFD 220 lower basket with 2 x E 816 inserts and 2 x APFD 420 cutlery baskets

32 plates each with Ø 9 3/4" (25 cm) and various items of cutlery can be loaded. Without cutlery baskets, 38 plates each with Ø 9 3/4" (25 cm) can be loaded into the E 816 inserts.



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

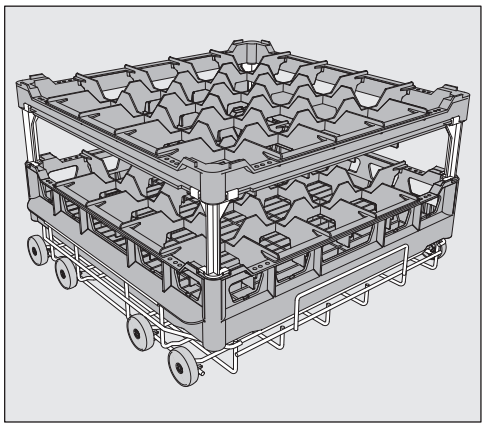
With the APFD 420 cutlery baskets, 32 plates each with Ø 13" (33 cm) and various items of cutlery can be loaded. Without the cutlery baskets, 38 plates each with Ø 13" (33 cm) can be loaded into the rotated E 816 insert.



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

Use of plastic trays

The APFD 220 Lower Basket Carrier can be loaded with plastic trays measuring 19 3/4" x 19 3/4" (500 x 500 mm).

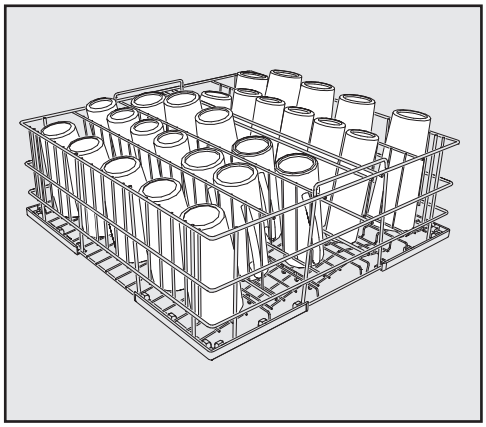


The special O 885 Upper Basket Carrier is required for loading plastic trays in the upper basket (max. loading height for wash items 5" (130 mm)).

The special U 876 Lower Basket Carrier is required for loading taller wash items in the lower basket.

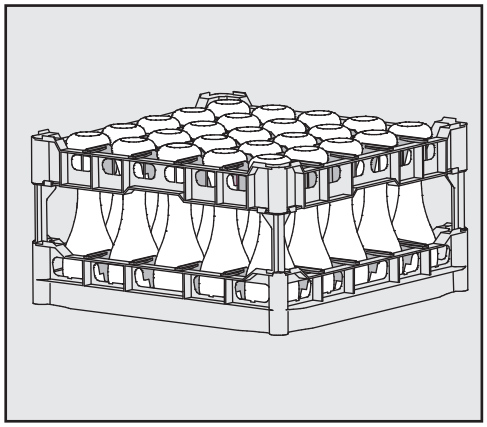
Which basket combination to use will depend on the type, shape, and size of the wash items.
For further information on baskets, please contact your Miele dealer or Miele Customer Service.

Examples: (lower baskets)



U 525/5-Row Wire Basket

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

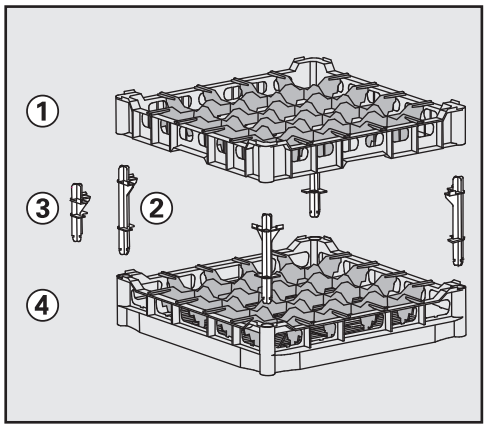


U 534–U 537 Plastic Trays with compartments for different glass heights

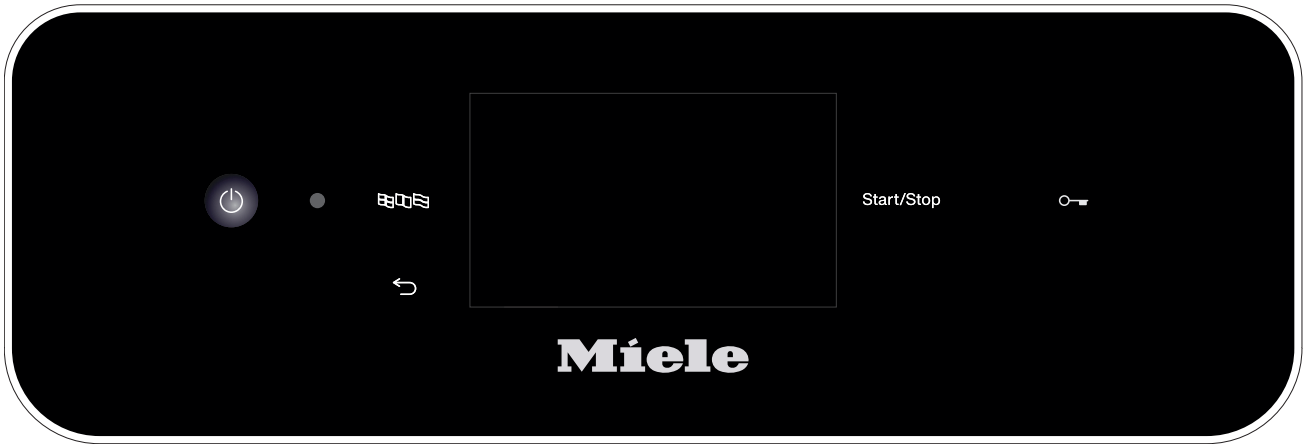
In this example, the plastic tray is connected to the top frame by long extenders.
(For assembly in U 876 Lower Basket Carrier only)

Assembling a plastic tray

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



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

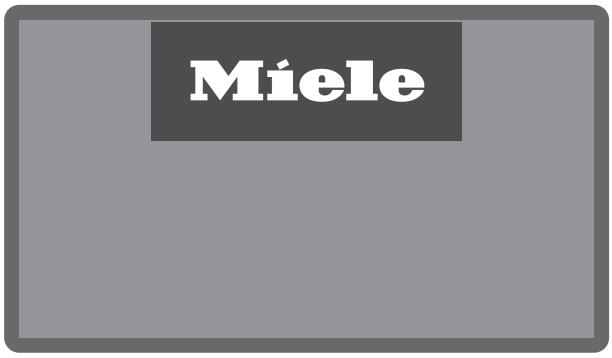


Switching on

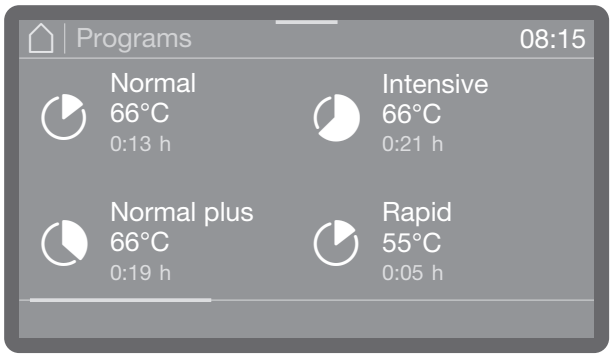
- Switch on the water supply faucet if it is off.

The dishwasher needs to be connected to the electricity supply.

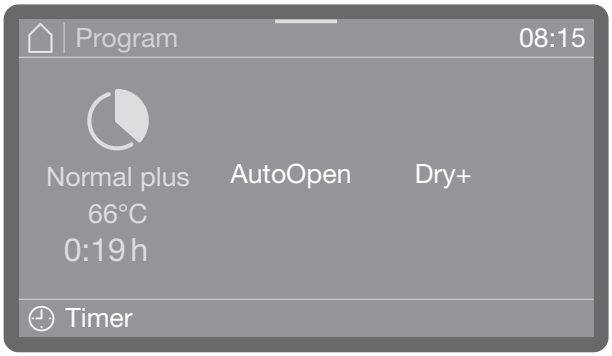
- Press and hold the ⏻ button until the following appears on the display:



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



If the Memory function is activated, the most recently started program is displayed, e.g.:



Selecting a program

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

As soon as you have selected a program, the LED for the *Start/Stop* button starts to flash.

Use the ⮌ button to return to the program selection screen before the program starts, e.g., to select a different program. This is no longer possible once the program has started. If necessary, you must cancel the program (see “Canceling a program”).

Starting a program

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

Once it has been started, a program can no longer be changed.
You can interrupt (see “Interrupting a program”) or cancel (see “Canceling a program”) the program in progress.

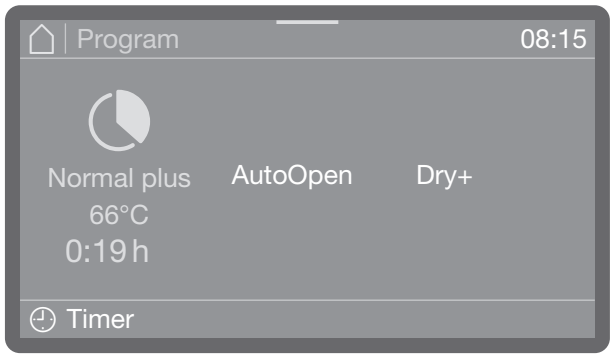
Starting the program using a timer

The start of a program can be delayed; for example, to benefit from economy rates of electricity at night. You can set a start time at which the program should start (Start at)

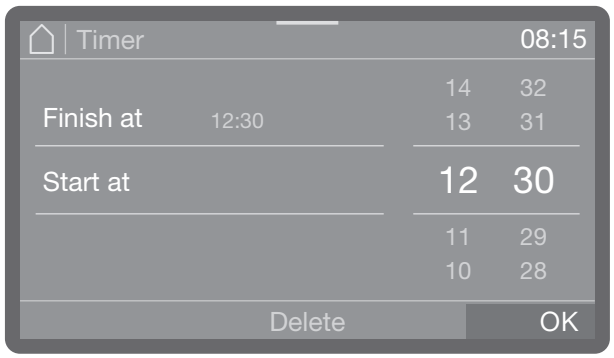
or a finish time by which the program should end at the latest (Finish at). The times are set based on the set time of day; see “Time of day”.

Setting the timer

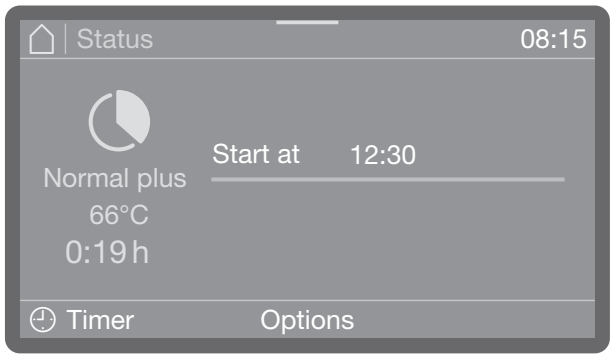
- Select a program.



- Tap on Timer to set the timer.



- Then select the start (Start at) or finish time (Finish at).
- Set the time.
- Confirm your entries with the OK button.



This activates the timer.

Selecting Delete allows you to delete the entries and deactivate the timer.

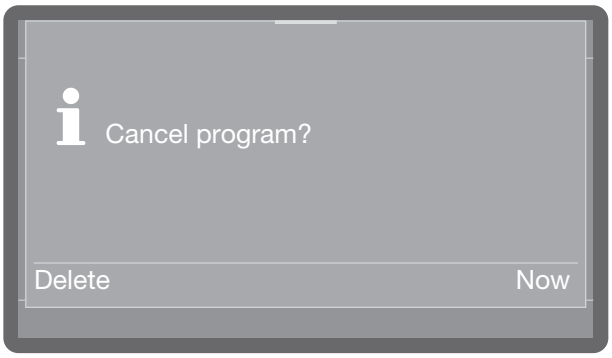
You can add or switch off functions such as AutoOpen or Dry+ for the next program via Extras (depending on the model).

Changing the timer

- If you want to change the time set for the timer, tap on Timer and enter the start or finish time.

Deleting the timer

- Press the *Start/Stop* button.

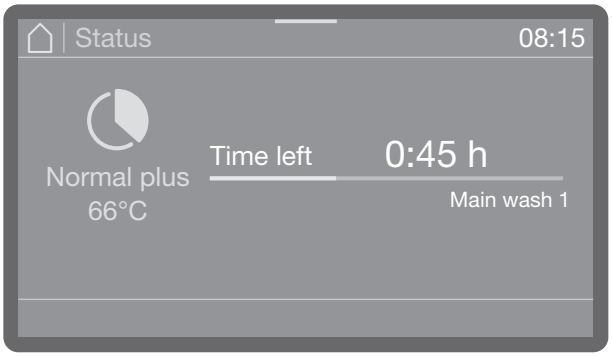


You will then be asked whether you want to start the program immediately (Now) or whether you want to delete the timer settings (Delete).

Alternatively, you can tap Timer again in the program
view and delete the timer via the settings that follow.

Program sequence display

Once a program has started, the display shows the program name, the name of the current wash phase, and the time left until the program is finished.

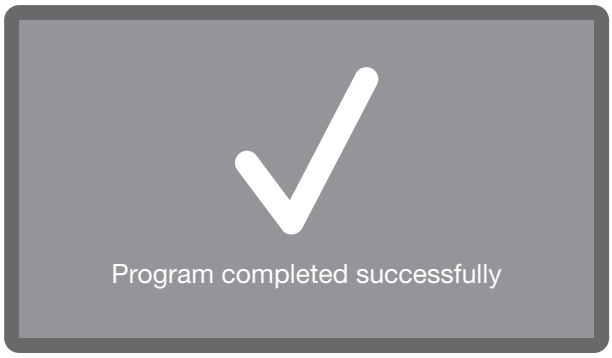


Program parameters such as the actual and target temperature can be queried during a program sequence.

- To do this, tap the colored bar in the middle of the upper edge of the display and swipe downward.

End of the program

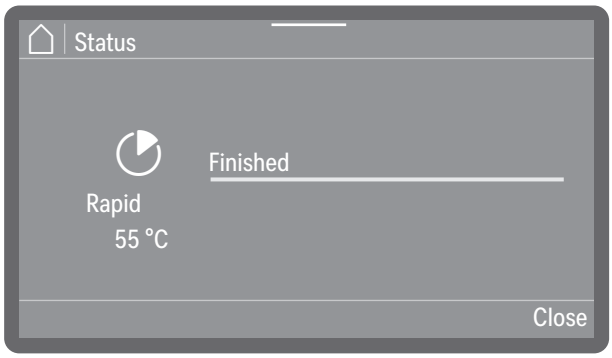
After a program has ended normally, the LED of the Start/Stop button will go out and the following will appear on the display.



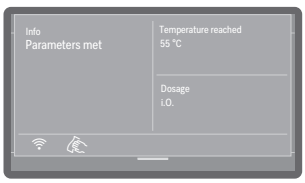
In addition to this, an audible signal will sound for approx. 3 seconds (factory default). The audible signal is repeated three times every 30 seconds. To change audible signal settings; see “Volume”.

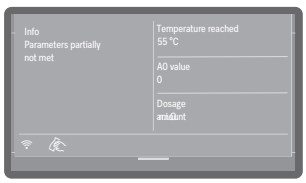
If system messages are present, they are displayed afterward, e.g., if the salt container level or the level of the liquid process chemicals containers was low during the program, or when the next service is due. Every message needs to be acknowledged individually by pressing *OK*.

- Tap to acknowledge the display, and the completed program will be displayed.



- Tap and drag the colored bar down to display the program parameters.





- The values displayed indicate whether the program parameters have been met.
- If the parameters are not met, we recommend repeating the program.

Switching off

- Press the ⏻ button until the display turns off.

Unloading the dishware

Dishware tends to break and chip more easily when it is hot. Allow the dishes to cool in the dishwasher until they are comfortable enough to handle before unloading them.

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

Unload the lower basket first, and then the upper basket. This will prevent water drops from the upper basket from falling onto the dishware in the lower basket.

Interrupting a program

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

⚠ Danger of scalding, burning, and chemical burns

The wash items, the load carrier, and the interior of the wash cabinet may be very hot.

Steam may also escape when the door is opened. Depending on the wash phase, process chemicals may be dissolved within the steam, which can cause irritation and burns in the eyes and respiratory tract.

A program should only be interrupted if strictly necessary.

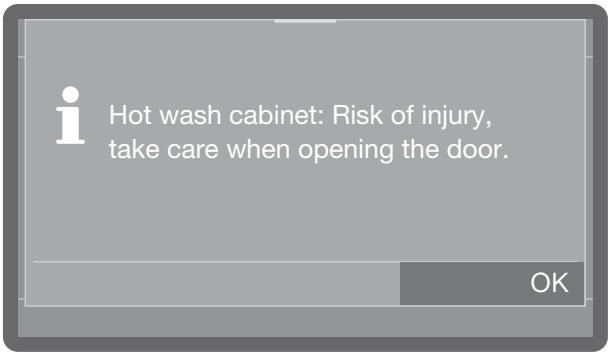
Open the door slowly and carefully and avoid contact with the steam that may escape. Touch the wash items at your own risk.

- Open the door (see “Opening and closing the door”).

If the door lock is activated, you must first enter the PIN code to unlock the door; see ▸ Extended settings ▸ Door lock code. If the lock is deactivated, you can open the door without entering a code. If you cancel the process, do not enter a PIN code, or enter an incorrect PIN code, the program will continue without interruption.

- Enter the door lock code.

If the temperature in the wash cabinet is more than 153 °F (67 °C), the following message alerts you to possible dangers when opening the door.

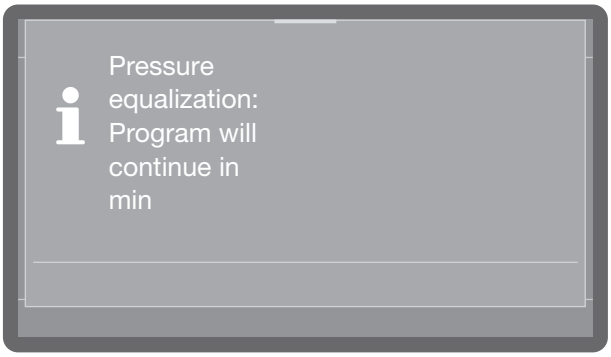


- Confirm the message with OK.
- Rearrange the wash items so that they are stable.

After the door is closed, the following message will appear in the display: Press "Start" to continue.

- Press the Start button to continue the program.

The program automatically continues from the point at which the interruption occurred.



If the temperature inside the wash cabinet is more than 120°F (50°C) at this point, the pressure is equalized first. Then the program continues.

Canceling a program

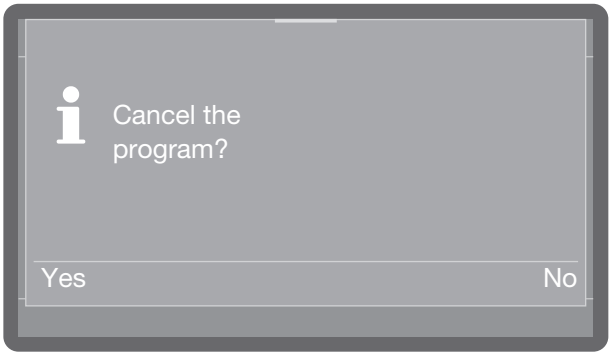
Only cancel a program which has already started if strictly necessary, e.g., if you want to change the program.

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

⚠ Risk of scalding and burning due to hot wash items.
The wash items and the wash cabinet may be very hot.
Open the door slowly, taking care not to touch the wash items or the interior cabinet.

- Press the *Start/Stop* button.

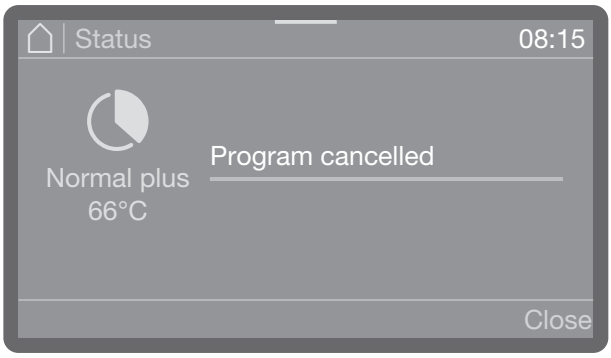
The following will appear in the display:



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

The program will only be canceled when Yes is confirmed.

The following message will appear in the display:



The door needs to be opened.

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

Machine functions

The Machine functions menu includes relevant functions to support daily routine tasks.

The factory settings are indicated by a tick ✓. A description of how to configure settings is provided after the overview.

Menu structure

- Machine functions
  - Filter interval *)
    - Filter interval
    - Reset interval
  - Dispensing systems *)
    - Fill dispensing paths
      - Cleaning agent canister
      - Rinse aid canister
    - Rinse dispensing paths
      - Cleaning agent canister
      - Rinse aid canister
  - Dry+ *)
    - Program selection
      - All programs ✓
      - Selection
    - Extend Dry+ time
      - Selection
  - AutoOpen *)
    - On ✓
    - Off
  - AutoClose *)
    - On ✓
    - Off

*) Depending on the model

Filter interval

The air filters for active drying inside the machine have a limited service life. For this reason, the filters must be replaced regularly.

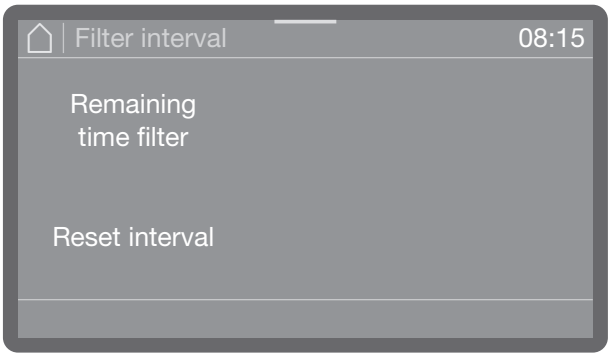
For more information on replacing the filter; see “Cleaning and care/Changing the filter”.

You can use the following menu to display the remaining life of the filter and to reset the counter after changing the filter.

The menu is saved under the following input path.

Machine functions

Filter interval*)



- Remaining time filter

  The time remaining before the filter will need to be changed.

- Reset interval

  Resets the number of operating hours before the filter will need to be changed.

■ Select an option.

⚠ The interval must only be reset when the filter has been changed.

Dispensing systems

The dispensing systems for liquid media can only dispense reliably if the dispensing system has been purged of air and contains no deposits.

Filling dispensing paths

The dispensing systems need to be topped up in the following situations:

- If the dispensing system is being used for the first time.
- If air has been sucked in or the system has been drained due to a lack of liquid media.

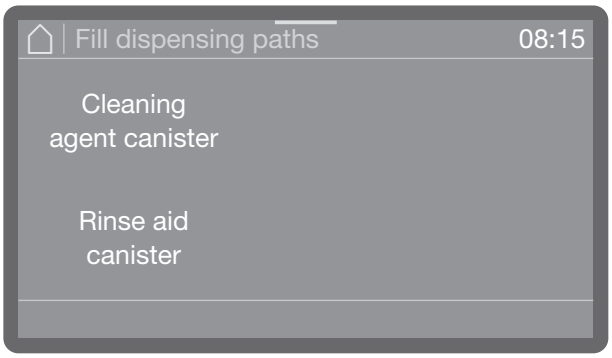
Before filling the dispensing paths, make sure that the containers are full and that the suction wands are screwed securely to the containers and that they cannot suck in air.

The menu is saved under the following input path.

Machine functions

Dispensing systems

Fill dispensing paths



- Cleaning agent canister

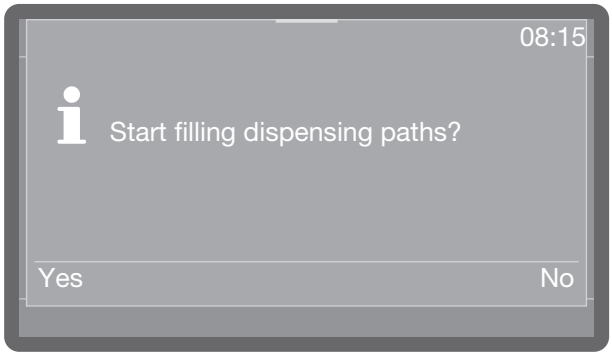
  Fill the cleaning agent dispensing system.

- Rinse aid canister

  Fill the rinse aid dispensing system.

■ Select the dispensing system that you want to fill.

You will then be asked if you want to start the filling process, e.g.:



- Select Yes to start the process.
  The dispensing system is filled automatically. The message Filling of dispensing paths completed is displayed following successful completion. If filling is interrupted prematurely, the process must be repeated.
- Cancel the process at this point by selecting No.

Rinsing dispensing paths

A dispensing system must be rinsed in the following situations:

- If a dispensing system was accidentally filled with the wrong medium.
- If deposits have formed in the dispensing paths or in the containers, which could completely or partially clog the systems. Deposits can form, for example, after long periods of downtime or when the containers are refilled instead of being replaced.

- Fill a clean container, e.g., a bucket, with clear, clean water.

⚠ Damage to the dispensing system.
Small foreign objects in the water, such as sand, lint, or similar, can be sucked in by the dispensing system and may clog or damage it.
Make sure that there are no foreign objects in the water.

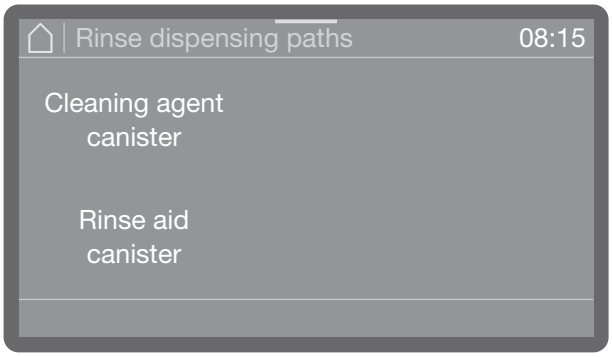
- Place the suction wand in the container with the water. The lower end of the suction wand with the suction opening must be thoroughly rinsed.
- Secure the suction wand so that it cannot tip over or fall out of the container.

The menu is saved under the following input path.

Machine functions

Dispensing systems

Rinse dispensing paths



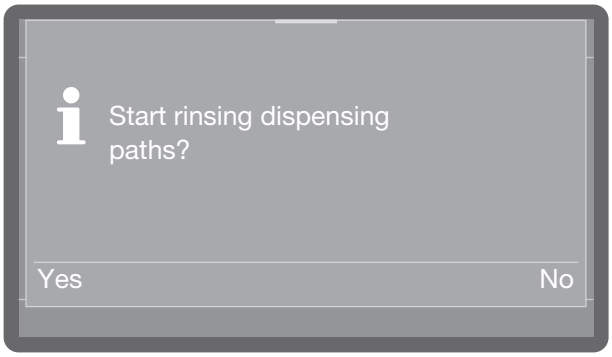
- Cleaning agent canister

  Rinse the cleaning agent dispensing system.
- Rinse aid canister

  Rinse the rinsing agent dispensing system.

- Select the dispensing system that you want to rinse.

You will then be asked if you want to start the process, e.g.:



- Select Yes to start the process.
  The dispensing system is rinsed automatically. The message Rinse dispensing paths completed is displayed following successful completion. If rinsing is interrupted prematurely, the process must be repeated.
- Cancel the process at this point by selecting No.

Dry+

Dry+ active drying is only available on dishwashers with a drying fan (depending on the model).

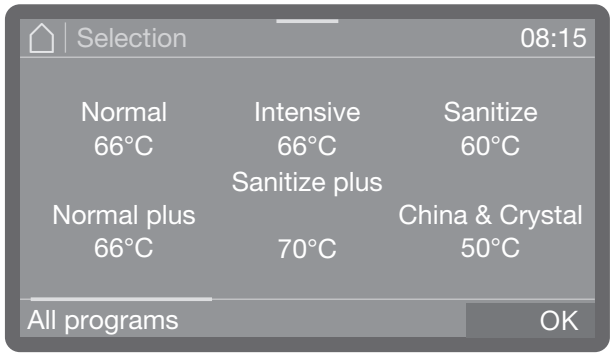
Dry+ active drying accelerates and improves the drying process at the end of the program. When the door is closed, a fan conveys filtered fresh air into the wash cabinet for active drying.

You can subsequently activate or deactivate active drying for all programs that support Dry+, as well as extend the fan cycle time and in turn adjust the drying phase for individual programs. You can find out which programs support Dry+ in “Program parameters”.

Program selection

The menu is saved under the following input path.

Machine functions
Dry+
Program selection



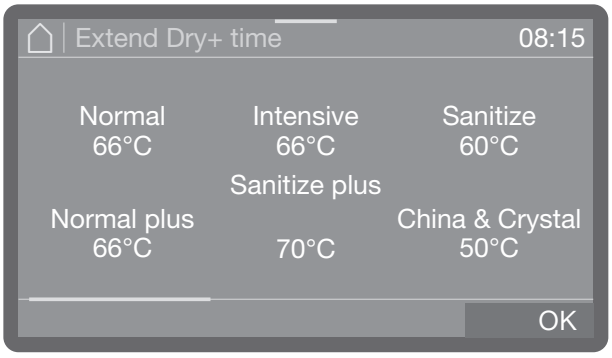
- Select the programs for which you want to activate Dry+. Activated programs are highlighted in color.
- If you want to activate Dry+ for all programs, tap on All programs.
- Press OK to save the selection.

Extension

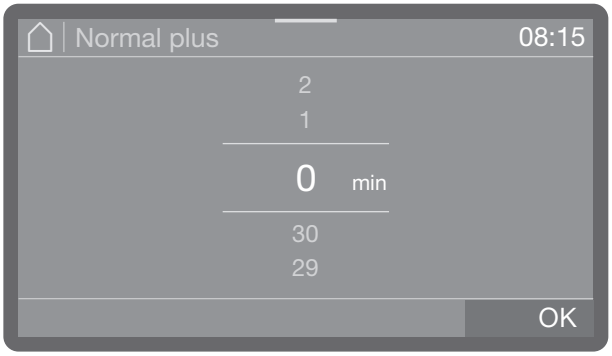
The fan cycle time is preset for each program and it is only possible to extend this cycle time or to cancel an extension. It is not possible at this point in time to shorten the preset cycle time or to switch off the fan.

The menu is saved under the following input path.

Machine functions
Dry+
Extend Dry+ time



- Scroll through the program list and select the program for which you want to extend the fan cycle time.



The program cycle time can be extended by up to 30 minutes in 1-minute increments.

- Set the program cycle time. In the lowest setting, the program cycle time corresponds to the preset baseline value.
- Press OK to save the setting.

AutoOpen

AutoOpen is an additional assisted drying function. At the end of the program, the door opens slightly to allow residual moisture to escape from the wash cabinet more quickly.

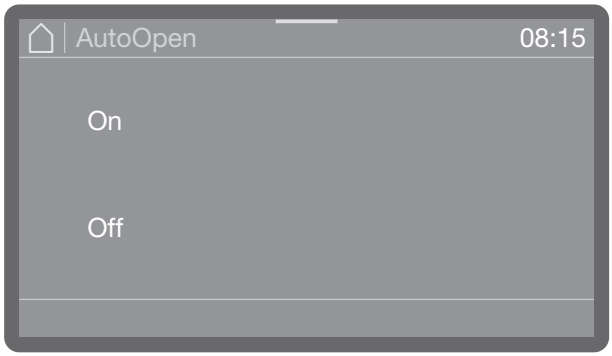
The door is opened as soon as the temperature in the wash cabinet has dropped below a certain value. Before the door is opened, a corresponding message is shown on the display and an audible signal sounds if audible signals are activated.

You can find out which programs support this function in the “Program overview”.

The menu is saved under the following input path.

Machine functions

AutoOpen



- On

  AutoOpen is activated for all programs.

- Off

  AutoOpen is deactivated for all programs.

■ Select an option.

AutoClose

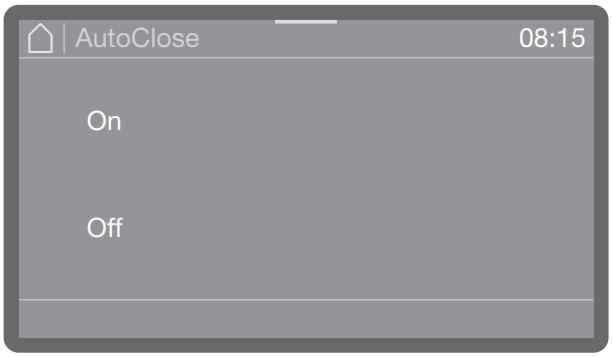
This can be used to determine whether the door should be drawn into the final closed position by the automatic door lock immediately after closing or whether it should remain slightly open.

In its final closed position, the door is mechanically locked and can be unlocked and opened again by pressing the door button ⊶.

The menu is saved under the following input path.

Machine functions

AutoClose



- On

  AutoClose is activated for all programs. The door is drawn into the final closed position and locked immediately after closing.

- Off

  AutoClose is deactivated for all programs. The door hooks into the latch and can be pulled open again without pressing the ⊶ button.

■ Select an option.

Basic parameters for machine control are stored in the Settings menu.

The factory settings are indicated by a tick ✓. A description of how to configure settings is provided after the overview.

Menu structure

- Settings
  - Time
    - Clock format
      - 12 h
      - 24 h ✓
    - Set time
  - Date
    - Date format
      - DD/MM/YYYY ✓
      - MM/DD/YYYY
      - YYYY/MM/DD
    - Set date
  - Display brightness
  - Volume
    - Buzzer tones
    - Keypad tone
  - Welcome Melody
    - On ✓
    - Off
  - Sensor reaction
    - Direct ✓
    - Language selec. delayed
  - Temperature unit
    - °C ✓
    - °F

Time of day

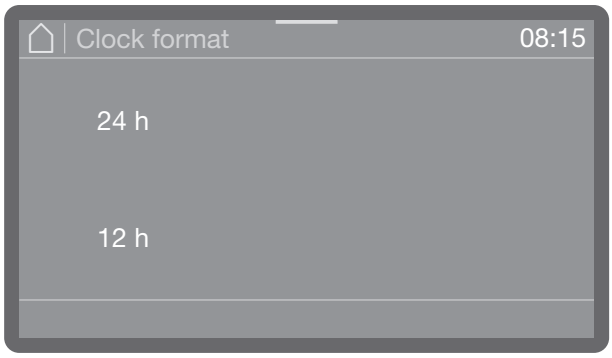
The time of day is required for the display and the delay start, for example. The date format and the current time of day have to be set.

There is no automatic adjustment between daylight savings and standard time. You need to make this adjustment yourself as necessary.

Selecting the clock format

The menu is saved under the following input path.

Settings
Time
Clock format



- 24 h

  Time of day display in 24-hour format.

- 12 h

  Time of day display in 12-hour format (am/pm).

■ Tap to select a format.

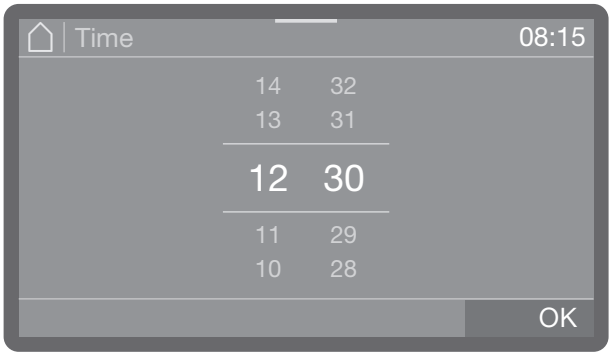
Setting the clock

To set the format for the time of day:

The menu is saved under the following input path.

Settings
Time
Set time

The time of day is set in the set time of day format.



■ Set the time of day and confirm your selection with the OK button.

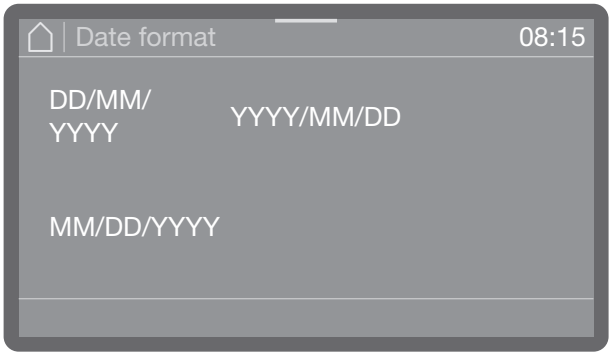
Date

The date format and the current date have to be set.

Selecting the date format

The menu is saved under the following input path.

Settings
Date
Date format



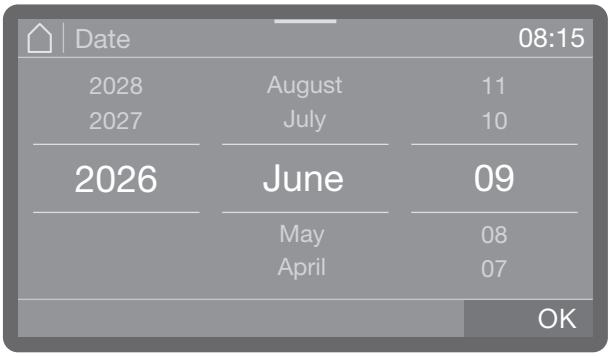
- DD is the day (D = day)
- MM is the month (M = month)
- YYYY is the year (Y = year)

■ Select the format you want.

Setting the date

The menu is saved under the following input path.

Settings
Date
Set date



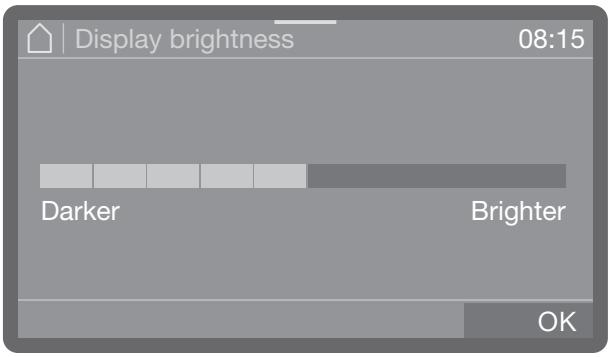
- Set the date. The order of year, month, and day is the same regardless of the date format set.
- Press OK to save the setting.

Display brightness

You can also set the brightness of the display.

The menu is saved under the following input path.

Settings
Display brightness



- Adjust the brightness of the display and save the setting by pressing OK.

Volume

An acoustic signal transmitter is integrated in the control panel, which can provide acoustic feedback in the following situations:

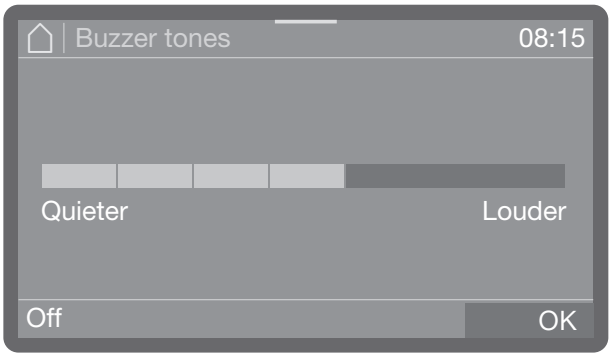
- Keypad tone when operating the buttons
- Buzzer tone at the end of the program or for system messages (notifications)

The menu is saved under the following input path.

Settings
Volume

The volume for the Keypad tone and the Buzzer tone is always set in the same way.

- Select one of the options Keypad tone or Buzzer tone.



- Set the volume. In the lowest setting, the sound is switched off and can be switched back on again if required by selecting On (displayed instead of Off).
- Press OK to save the setting.

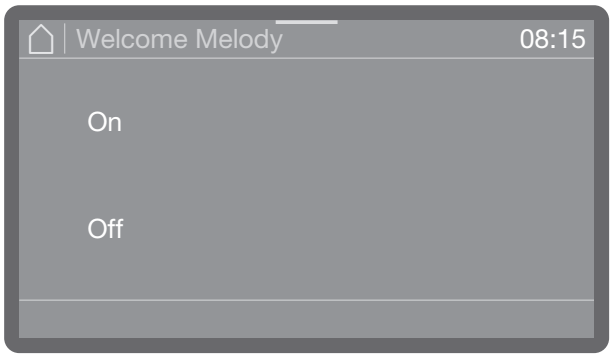
Welcome tone

There is a brief melody when the machine is switched on and off. You can use this option to switch this melody off and back on again.

The menu is saved under the following input path.

Settings

Welcome Melody



- On

  A welcome melody is played when the machine is switched on.

- Off

  The melody is switched off.

■ Select an option.

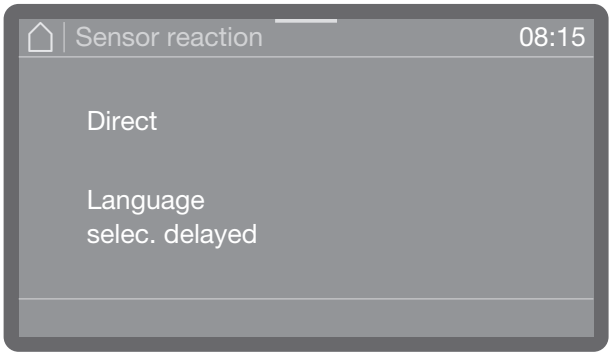
Button reaction

You can extend the response time of the language selection button on the control panel to prevent accidental activation from a brief touch.
The button responds slowly when pressed and must be held down longer each time to trigger the function.

The menu is saved under the following input path.

Settings

Sensor reaction



- Direct

  The buttons react immediately to being pressed.

- Language selec. delayed

  Only the language selection button responds slowly when pressed and must be held down longer before it responds.

■ Select an option.

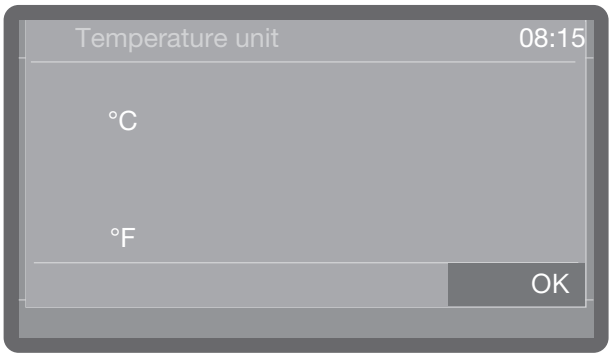
Temperature unit

The temperature can be shown on the display in °C (degrees Celsius) or °F (degrees Fahrenheit).

The menu is saved under the following input path.

Settings

Temperature unit



- °C

  Temperature display in Celsius.

- °F

  Temperature display in Fahrenheit.

■ Tap to select the option you want.

The Additional settings menu incorporates all administrative processes and settings.

Access to the Additional settings menu is protected by a PIN code.
You must enter the correct PIN code to open the menu.

Menu structure

- Extended settings
  - Program lock filter
    - On
    - Off ✓
  - Standby/Off
    - Standby/Off
    - Off after 10 min
  - Log book
    - Water
      - Consumption cold water
      - Consumption hot water
    - Consumption liquid cleaning agent
    - Rinse aid
    - Operating hours
    - Program cycles
    - Service interval
  - Release programs
    - All programs ✓
    - Selection
  - Set Favorites
  - Configure programs
    - *[Program name]*
      - Cleaning temperature
      - Main wash holding time
      - Final rinse temperature
      - Final rinse holding time
      - Increas. water quantity
      - Interim rinse
    - Change name
    - Reset
  - Ao Display A0 value
    - Ao Off ✓
    - Ao On
  - Dispensing systems
    - Cleaning agent door
    - Rinse aid door
      - Refill indicator
        - On ✓
        - Off
      - Dispens. concentration
    - Cleaning agent canister
      - Dispens. concentration
      - Fill dispensing paths
      - Rinse dispen– sing paths
      - Deactivate ✓

Additional settings

- Rinse aid canister
  - Dispens. concentration
  - Fill dispensing paths
  - Rinse dispen– sing paths
  - Deactivate ✓
- Cycles until empty
- Program lock DOS
  - On
  - Off ✓
- Water hardness
  - 2.5 mmol/l (14°dh) ✓
- Note reactivation
  - 1
- Memory
  - On ✓
  - Off
- PIN code
  - Change PIN code
- Safe mode
  - On
  - Off ✓
- Door lock code
  - Yes
  - No
- Network/WiFi
  - Set up
    - Manual
    - Via WPS
    - Via Soft AP
  - Activate
  - Deactivate
  - Connection status WLAN-SSID: IP-Address:
  - Set up again
  - Reset
  - IP configuration
    - DHCP
    - DNS Auto
  - MAC address
- RemoteUpdate
  - On
  - Off ✓
- Dealer
  - Demo mode
    - On
    - Off ✓
- Software version
  - 1-SBAE ID XXXX
  - 2-EL ID XXXX
  - 3-EFU ID XXXX
  - 5-LG ID XXXX
- Data plate
- Factory default
  - Program settings only
  - All settings
- § Legal Information

*) Depending on the model

Filter program lock

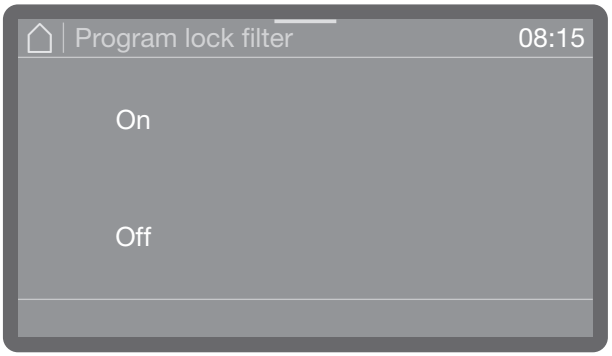
The filter combination in the wash cabinet filters coarse dirt particles out of the wash water. If dirt particles enter the circulation system, they may clog the spray arms, valves, etc.

It is possible to stop the program from starting if the micro-fine filter has been inserted incorrectly or is missing.

The menu is saved under the following input path.

Extended settings

Program lock filter



- On

  Programs are prevented from starting if the micro-fine filter has been inserted incorrectly or is missing.
  A program can only be started when the micro-fine filter is inserted correctly.

- Off

  Programs can be started regardless of the status of the micro-fine filter. A confirmation prompt is displayed, which must be confirmed if the micro-fine filter is not inserted correctly.

■ Select an option.

Standby/Off

If the dishwasher has not been used for 10 minutes, it can be set to standby or switched off automatically.

In standby mode, the dishwasher remains switched on and the *Start/Stop* button flashes. The dishwasher can be reactivated by pressing the *Start/Stop* button, touching the display, or opening the door.

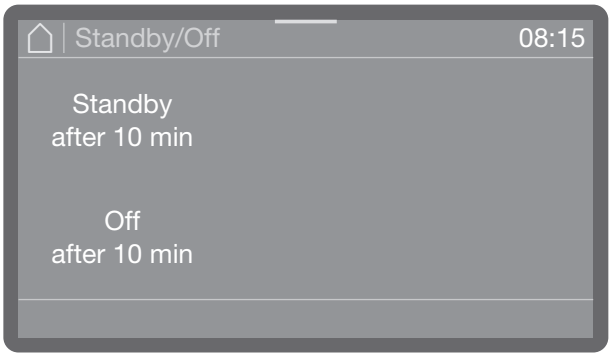
After automatic switch-off, the dishwasher is switched off and can be switched on again by pressing the ⏻ button.

The menu is saved under the following input path.

Extended settings

Standby/Off

■ Select the Standby/Off menu option.



- Standby after 10 min

  Switch to Standby mode after 10 minutes

- Off after 10 min

  Switch off after 10 minutes.

■ Select an option.

Log book

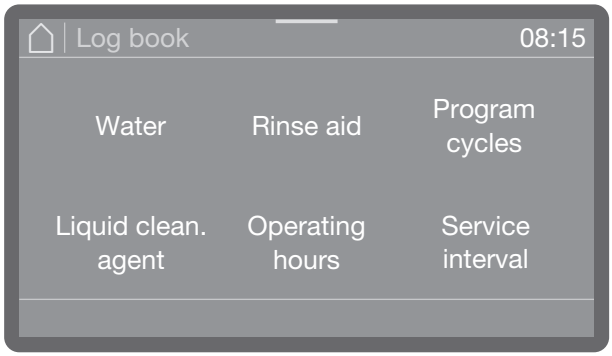
The consumption data for water and process chemicals as well as the operating hours and program sequences are logged in the log book. The entire life cycle of the machine is recorded.

Miele Service can also use the log book to calculate a recommendation for service intervals.

The menu is saved under the following input path.

Extended settings

Log book



- Water

  Display of water consumption in liters (l)
  If there are several water connections (depending on the model), the consumption is displayed according to the water type.

- Liquid cleaning agent

  Consumption of liquid cleaning agent in liters (l)

- Rinsing agent

  Consumption of rinsing agent in liters (l)

- Operating hours

  Number of operating hours

- Program sequences

  Total of all program sequences.
  The display can be broken down by program.

- Service interval

  Reminder about the next service. The date of the next service is entered by Miele Customer Service.

■ Scroll to the option you want using the ∧ and ∨ arrow buttons and select it by tapping on it.

The values in the log book cannot be changed.

■ Press the ⮌ button to exit the menu.

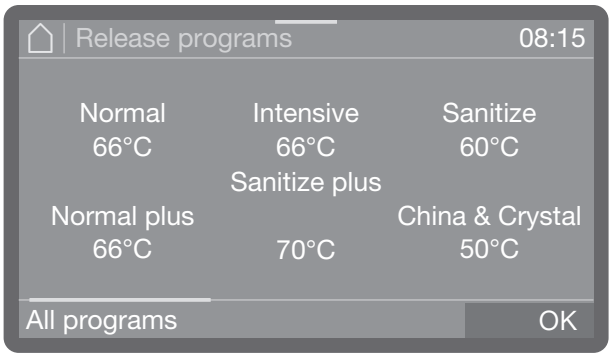
Program release

There is an option to block individual programs. Blocked programs are no longer available in the program selection screen. This ensures, for example, that only programs suitable for the wash items are used.

The menu is saved under the following input path.

Extended settings

Release programs



■ Scroll through the program list and select the programs that you want to make available to users. Multiple selection is possible. Activated programs are highlighted in color.

■ Press All programs to select all programs at once.

■ Press OK to save the selection.

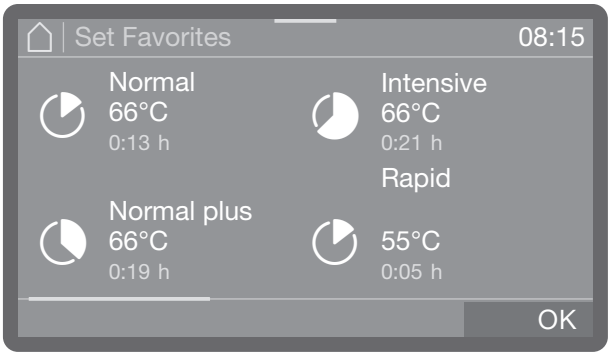
Set Favorites

Under Favorite programs, you can define the order of the programs and choose which programs should be immediately accessible in the program selection screen. You can choose from all the programs available under Approved programs.

The menu is saved under the following input path.

Extended settings

☆ Set Favorites



The program overview appears on the display.

- Select a program by tapping and holding it until a frame appears around the program.
- Drag the program to the required position and remove your finger from the display.

The frame around the program disappears and the program remains in the required position.

- Press OK to save the setting.

Program parameters

The program parameters should be adjusted to suit technical requirements and the wash items.

Additional specialist knowledge about the machine and its processes is required to modify program parameters and this should therefore be undertaken only by experienced users or by Miele Service.

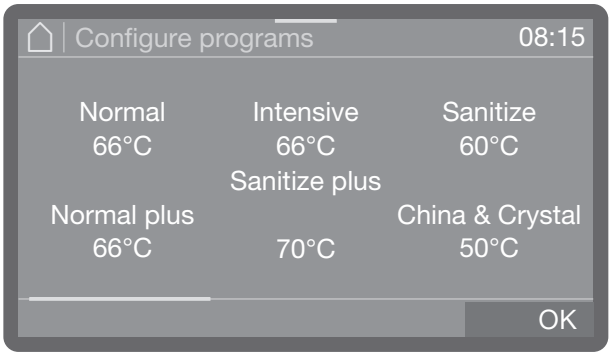
- Start by selecting the program you want to change.

Selecting a program

The menu is saved under the following input path.

Extended settings

Configure programs

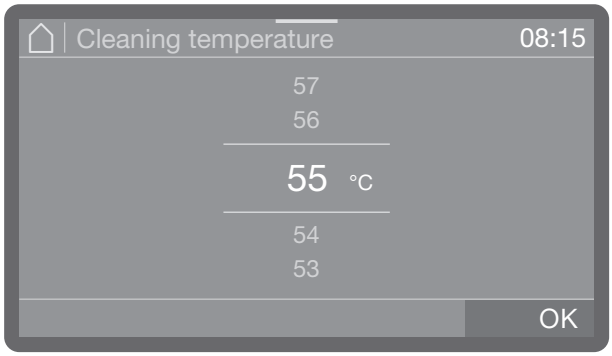


- Scroll through the program list and select the program that you want to change.
- Select a program parameter that you want to change.

Wash temperature

The wash temperature is reached by heating up the wash water. The temperature needs to be adjusted to the task.

Dispensing of process chemicals occurs at a default dispensing temperature set at the factory.

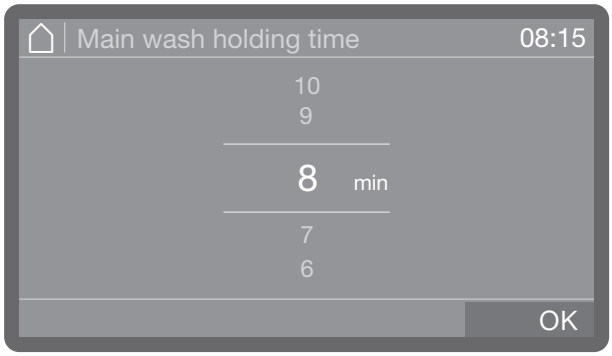


- Set the temperature. The adjustment range varies depending on the model and program.
- Press OK to save the setting.

Main wash holding time

The holding time is a period during which the temperature in the wash block is kept constant.

In the case of the Rapid program, the holding time is entered in seconds and can be adjusted in 5-second increments.

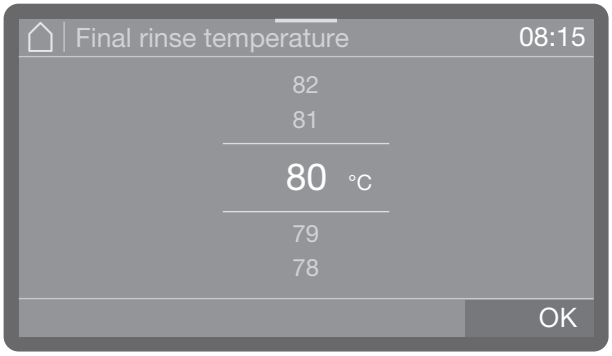


- Set the holding time.
- Press OK to save the setting.

Final rinse temperature

The final rinse temperature is reached by heating up the wash water. The temperature needs to be adjusted to the task.

This menu option is not available on dishwashers with Dry+ drying.

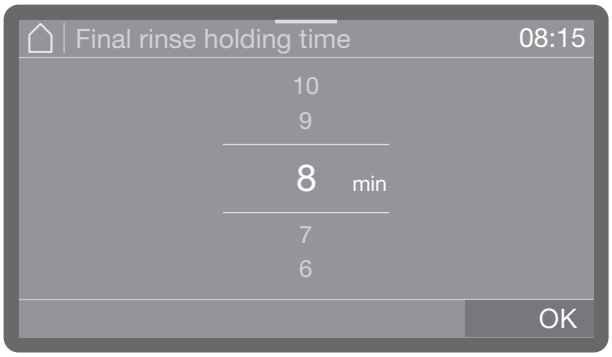


- Set the temperature. The adjustment range varies depending on the model and program.
- Press OK to save the setting.

Final rinse holding time

The holding time is a period during which the temperature in the wash block is kept constant.

In the case of the Rapid program, the holding time is entered in seconds and can be adjusted in 5-second increments.



- Set the holding time.
- Press OK to save the setting.

Increased water level

It is then advisable to increase the water level when a lot of water is absorbed due to the structure of the wash items or when the type of soiling and the process chemicals used lead to excess foam development. The additional volume of water depends on the type of basket or mobile unit used, the type of soiling, and the wash items.

If slightly soiled wash items which absorb a little water are being reprocessed, the water level can be reset to the factory default to save water and energy.



- Set the additional volume of water. In the lowest setting, the volume of water corresponds to the factory default.
- Press OK to save the setting.

Changing the name

You can change a program name if required. The preceding symbol cannot be changed.

- Select the Program name option.

Names can consist of up to 15 characters including spaces. The following options are available for naming:

- Letters from A to Z;
  each new word will automatically start with a capital letter.
- Numbers from 0 to 9.
- Spaces ␣.
- Use the 🗑 symbol to delete the last entry.
- Select Reset to reset the program names to the factory default.
- Press the ⮌ button to end the process without saving the name change.

- Enter the name.
- Confirm your entry by pressing OK.

Interim rinse

If required, an additional interim rinse block can be activated for selected programs.

You can find out which programs support this function in the “Program overview”.

- On

  Activates the additional interim rinse block for the selected program.

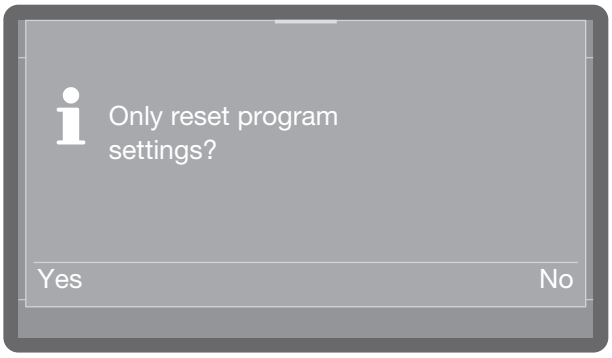
- Off

  Deactivates the additional interim rinse block.

- Tap to select an option.

Resetting parameters

You can reset individual programs to the factory default settings. The program parameters and changed program names are reset.

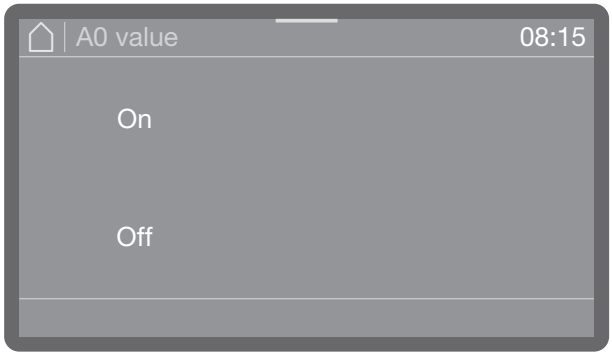


- Select Yes to reset the parameters and program names to the factory default settings.
- Select No to cancel the process.

A0 value display

The A0 value is a measure known from medical technology for the deactivation of microorganisms using moist heat (see ISO 15883); it is calculated based on temperature and holding time.
The “A0 value” information displayed at the end of the program on this dishwasher is calculated based on the temperature inside the wash cabinet and the corresponding holding time. The value displayed is only a guide value. It is not compliant with ISO 15883, as the dishwasher is not a medical device.

The A0 value is displayed at the end of the program.



- On

  A0 value measuring is switched on and the value is displayed at the end of the program

- Off

  A0 value measuring is switched off

■ Select an option.

Dispensing systems

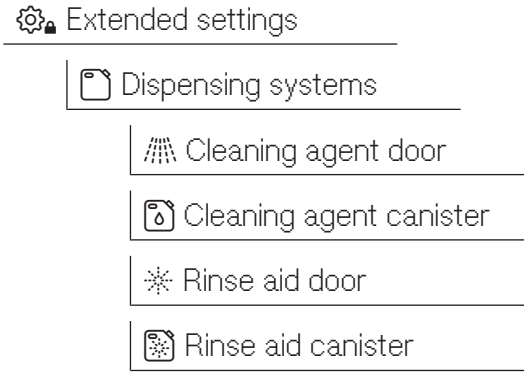
The following menu allows you to activate, fill, and rinse dispensing systems, to change their names if required, and to set the dispensing concentration for all programs.

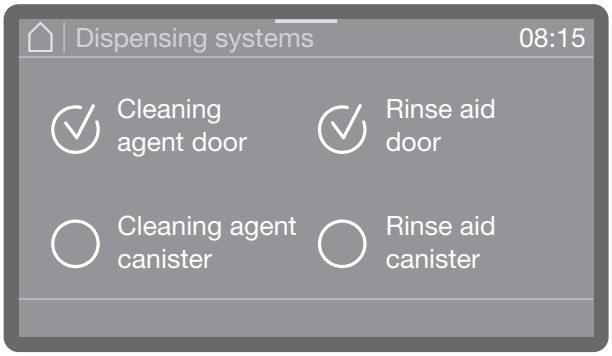
Depending on the model, various dispensing systems are available for dispensing process chemicals.

Cleaning agent and rinsing agent can be dispensed either via a corresponding door dispenser (cleaning agent, rinsing agent) or via suction wands for liquid media from an external media canister. It is not possible to activate both systems at the same time.

Selecting a dispensing system

The menu is saved under the following input path.





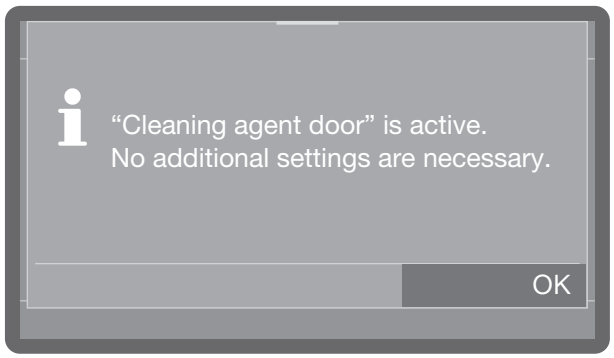
Only the available dispensing systems are displayed.

■ Select a dispensing system.

Door dispenser

Cleaning agent door

One of the following messages is displayed if you have selected Cleaning agent door.



- Door dispenser is activated

■ No further settings are possible. Confirm the message by pressing OK.

If you want to change dispensing to the powder dispenser, select "Cleaning agent door" and activate it, or select the Cleaning agent canister option and deactivate dispensing.

Rinse aid door

Refill indicator

The refill indicator indicates a lack of rinsing agent in the door dispenser. If you want to stop dispensing rinsing agent via the door dispenser, you need to switch off the refill indicator.



- On

  The display indicates a lack of rinsing agent in the door dispenser.

- Off

  The display does not indicate a lack of rinsing agent.

■ Select an option.

Activating dispensing from the media canister

To activate dispensing of liquid process chemicals from external media canisters, you must proceed as follows.

■ Start by selecting a dispensing system.

This selection is only available if the corresponding dispensing system is present (depending on the model).

Cleaning agent canister

Rinse aid canister

If a rinsing agent door dispenser ✳ or a powder dispenser //|\\ is present and activated (depending on the model), when you select Cleaning agent canister or Rinse aid canister, you will first be asked if you want to switch to dispensing from the media canister. There is no query if dispensing from the media canister is already activated.

Deactivating dispensing from the media canister

You can subsequently switch dispensing from the media canisters to the door dispensers or deactivate it completely.

■ Start by selecting a dispensing system.

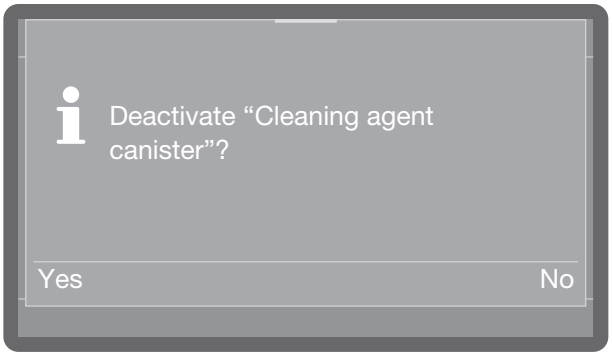
This selection is only available if the corresponding dispensing system is present (depending on the model).

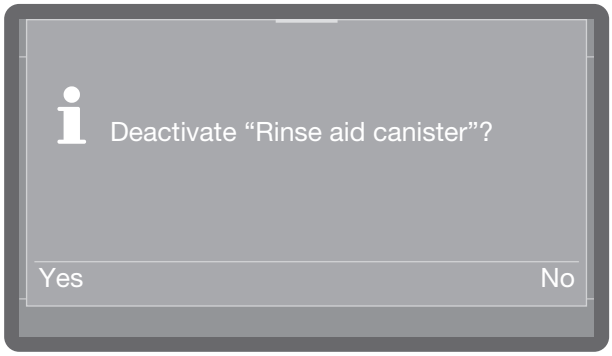
Cleaning agent canister

Deactivate ✓

Rinse aid canister

Deactivate ✓





- Select Yes to deactivate dispensing from the canister. This change will take place immediately.
- If you do not want to change the setting, press the No button.

Dispensing concentration

The dispensing concentration for liquid process chemicals is set in the same way for all dispensing systems. The setting applies to all programs.

This selection is only available if the corresponding dispensing system is present (depending on the model).

Rinse aid door

Cleaning agent canister

Rinse aid canister

- Start by selecting a dispensing system.



- Set the dispensing concentration.
- Press OK to save the setting.

Filling dispensing paths

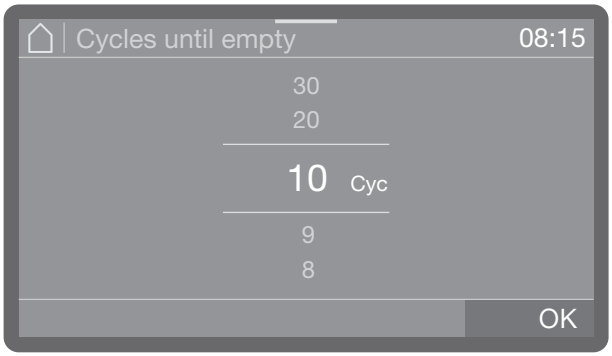
See Machine functions

Rinsing dispensing paths

See Machine functions

Cycles until empty

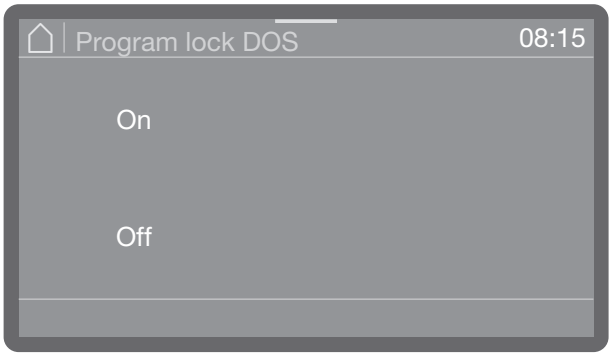
When dispensing liquid process chemicals from external media canisters, the fill level in the canister is monitored. You can use the following function to set the number of program sequences (cycles) from which you want to be warned about the almost empty media canisters. The message is displayed after switching on the machine and at the end of the program.
You can set the remaining cycles from Off to 10 in steps of 1, and from 10 to 100 in steps of 10.



- Set the number of cycles.
- Press OK to save the setting.

DOS program lock

Once the dispensing system has been drained, you can lock the dishwasher to prevent further use.



- On

  Programs cannot be started if the dispensing system is empty.
  A program can only be started if the dispensing system is filled with process chemicals.

- Off

Programs can be started regardless of the fill level of the dispensing system. A confirmation prompt is displayed, which must be confirmed if the fill level indicates that the container is empty.

- Select an option.

Water hardness

The water hardness setting is described in “Filling the salt container”.

Reactivation notification

In order to plan wash phases more effectively, you can have the remaining number of wash cycles before the next reactivation displayed as a notification.
When the set number of cycles before the next reactivation has been reached, a notification is displayed after each completed program.
You can set the number of cycles from 0–20 cycles; at 0, no notification is displayed.

The menu is saved under the following input path.

Extended settings

Note reactivation



- Set the number of cycles.
- Press OK to save the setting.

Memory

If you are always using the same program in a continuous sequence, you can use the memory function. This automatically suggests the most recently selected program so that you can start the program immediately after loading. The program selection screen is therefore not displayed, but it is still available.

The menu is saved under the following input path.

Extended settings

Memory



- On

  The most recently selected program is pre-selected before the next program starts.

- Off

  The programs need to be selected via the program selection screen.

- Select an option.

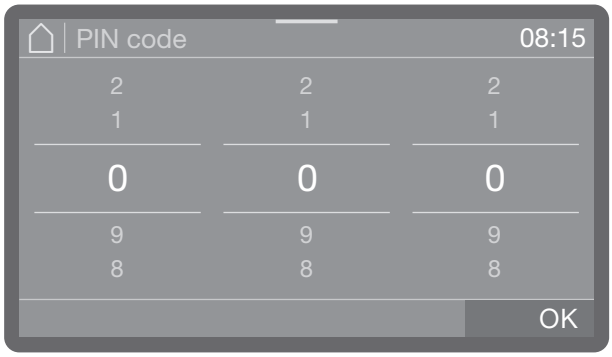
PIN code

Access to relevant system settings and machine functions that require advanced knowledge of the machine and its processes can be protected by PIN codes. A PIN code consists of 3 numbers from 0–9 in any order.

The factory-assigned PIN code is 800.

If a PIN code is lost, a new code must be issued by Miele Service.

Entering a PIN code



- Set the relevant numerical values and confirm your input with the OK button.

You can cancel the process at any time by pressing the ⮌ button.

If the PIN code was entered correctly, the protected area is made available for further use.

If it is entered incorrectly, a corresponding message is displayed and the process is canceled.

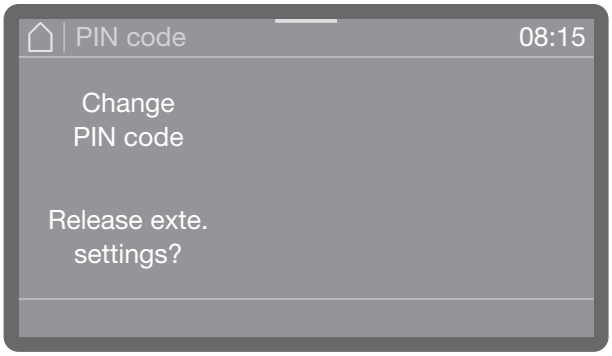
Blocking further settings or making them available

Access to the menu can be protected by a PIN code or can be made available to all users. A new code can also be assigned.

The menu is saved under the following input path.

Extended settings

PIN code



- Change PIN code

  Assign a new PIN code (see “Changing the PIN code”).

- Release exte. settings?

  The Extended settings menu is available to all users.

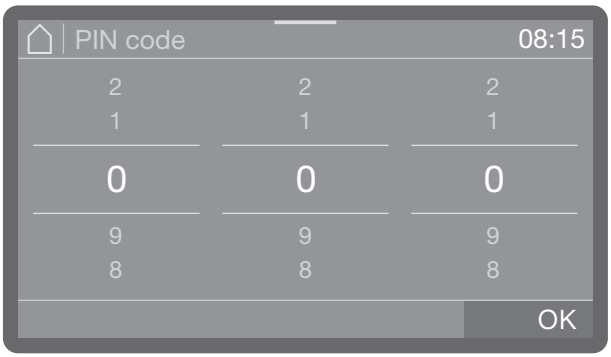
- Select an option.

Changing the PIN code

When a new PIN code is entered, the old PIN code is overwritten and is permanently deleted. It is therefore not possible to reinstate the old code.
If a PIN code is lost, a new code must be issued by Miele Service.

Assign a new PIN code by selecting the Change PIN code option in the menu.

- Follow the instructions on the display and start by entering the current PIN code.



- Set the relevant numerical values and confirm your input with the OK button.

You can cancel the process at any time by pressing the ⮌ button.

- Then enter the new code.
- Confirm the new PIN code by entering it again.

If both entries match, the old PIN code is replaced by the new code.

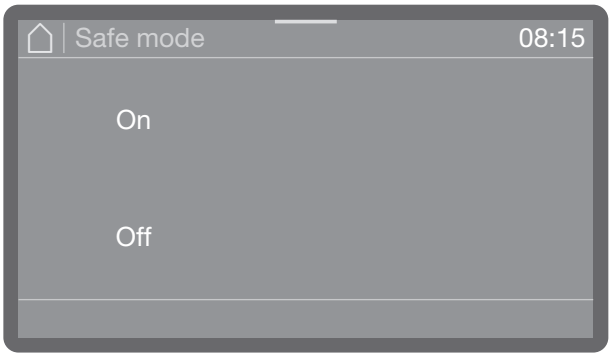
If the entries do not match, a corresponding message is shown on the display and the old PIN code remains in use.

Safe mode

When activated, Safe mode prevents incorrect operation or incorrect settings by unauthorized users.

Only released programs can be selected and started.

If the Additional settings are freely accessible, a valid code must be entered when Safe mode is activated.
The code for the Additional settings also applies to Safe mode.



- On

  The Machine functions, Settings, and Extended settings areas are protected by code and hidden.
  Only the released programs can be selected and started.
  Program modifications are also deactivated.

Safe mode only becomes active after switching the commercial dishwasher off and on again.

- Off

  All functions and setting options are enabled.
  The Extended settings can be protected by code.

- Select an option.

Exiting Safe mode or adjusting settings while in Safe mode

To render the hidden areas visible and ready for operation again, please proceed as follows:

- Switch the dishwasher off with the ⏻ button.
- Press and hold the Start/Stop button.

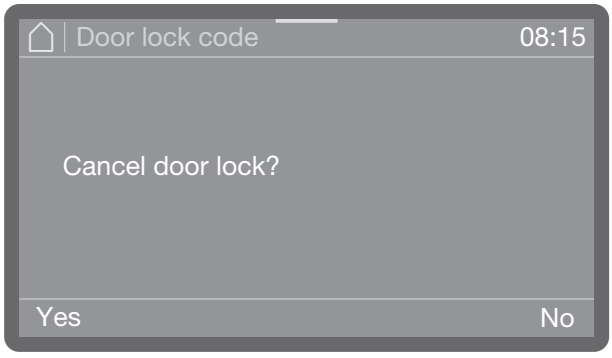
The Start/Stop button is not visible when the machine is switched off.
Press in the area of the Start/Stop button.

- Switch on the dishwasher using the ⏻ button.
- Press and hold the Start/Stop button until you are prompted to enter the code.
- Enter the code and the main menu is displayed.
- You can now adjust settings or deactivate Safe mode.

If you have made adjustments and want to leave Safe mode activated, you must switch the dishwasher off and on again.

Door lock code

Opening the door during a running program results in a program interruption. Interruptions involve certain risks for the user and can impair the cleaning result, e.g., if dirty wash items are added. For this reason, a door lock can be set up that requires a PIN code to be entered if the door needs to be opened during a program.



■ Select Yes.

Activation of the door lock, which requires a PIN code to be entered if the door needs to be opened during a running program.
You need to assign a new PIN code (see “Changing the PIN code”).

Or

■ Cancel the process by selecting No.
The menu disappears.

Networking/Wi-Fi

Your dishwasher is equipped with an integrated WiFi module.

You can connect your dishwasher to your local network in order to use digital solutions from Miele.

Once the dishwasher is connected to your local network, more menu options are added to the “Additional settings” and “Networking/WiFi” menu.

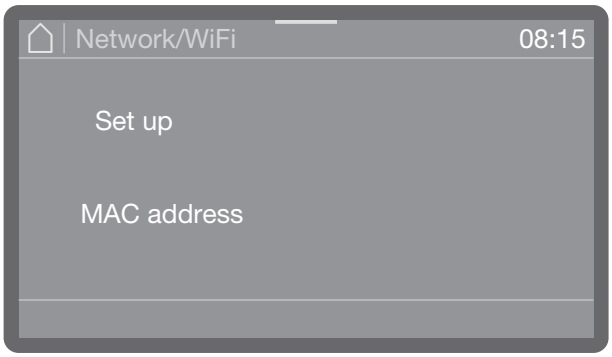
Check the settings of your WiFi router, especially when operating several machines in the WiFi network.

Make sure that your WiFi network signal strength is strong enough at the installation site of your dishwasher.
Place the dishwasher and the router at a suitable distance from each other.

The menu is saved under the following input path.

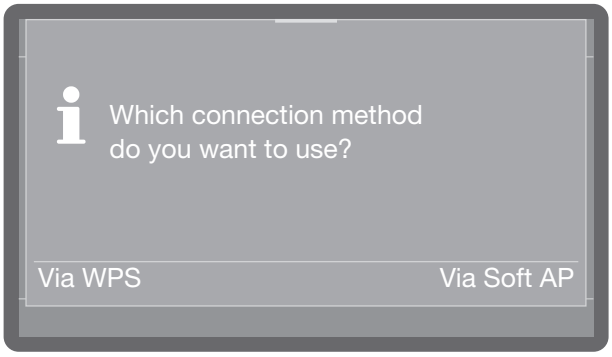
Extended settings
Network/WiFi

WiFi setup



■ Select the Set up menu option.

You can connect your dishwasher to your network using Via WPS or Via Soft AP.

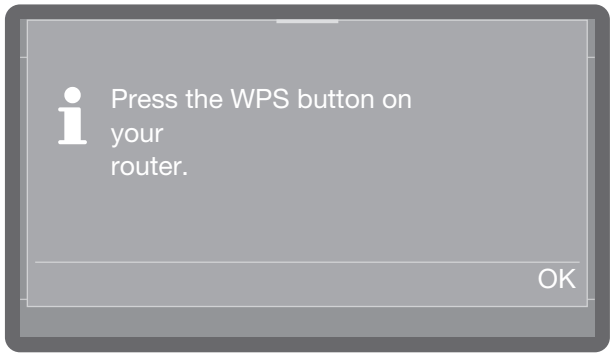


Connection via WPS

You can connect your dishwasher to your Wi-Fi network using WPS (Wi-Fi Protected Setup).

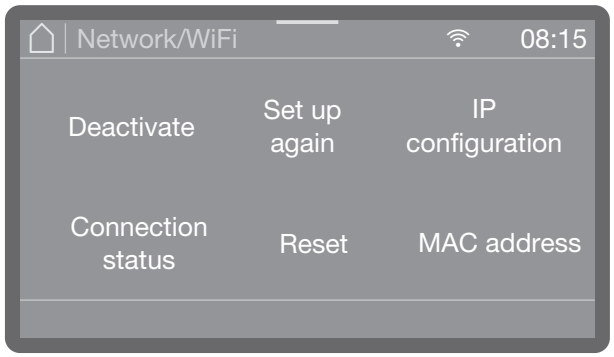
Your Wi-Fi router must support WPS.

- When asked Which connection method do you want to use?, select WPS.



- When Press the WPS button on your router. appears on the display, activate the WPS function on your router within 2 minutes.
- Once the connection has been established, Connection established will appear on the display. Confirm the message with *OK*.

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



- Deactivate

  The Wi-Fi connection is deactivated but the connection options are retained. The Wi-Fi connection can be reactivated without having to repeat the connection process.

- Connection status

  Displays the IP address and the connection status of the Wi-Fi connection.

- Set up again

  Menu option for setting up a new Wi-Fi connection.

- Reset

  Resets the Wi-Fi connection. The connection options are lost and need to be set up again.

- IP configuration

  DHCP interface configuration.

- MAC address

  The dishwasher's MAC address is displayed so you can manually add it to the network.

Soft AP

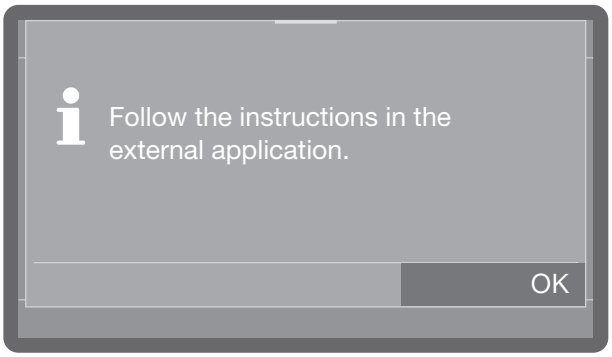
If Connection via WPS is not possible, you can connect the dishwasher to your local network Via Soft AP.

Soft AP (software-enabled access point) is a wireless access point provided by your dishwasher that can be used by other wireless machines in the vicinity.
With Soft AP, the dishwasher is not connected to the Internet. Soft AP is only used to connect two machines locally via Wi-Fi.

Connecting via Soft AP

You can connect your dishwasher to your Wi-Fi network via Soft AP (software-enabled access point).

- When asked Which connection method do you want to use?, select Soft AP.



- Confirm the message by pressing *OK* and follow the instructions in the external application.

Waiting for connection will appear on the display. This message remains active for approx. 10 minutes after selection and is then closed.

- Once the connection has been established, Connection established will appear on the display.
- Confirm the message with *OK*.

RemoteUpdate

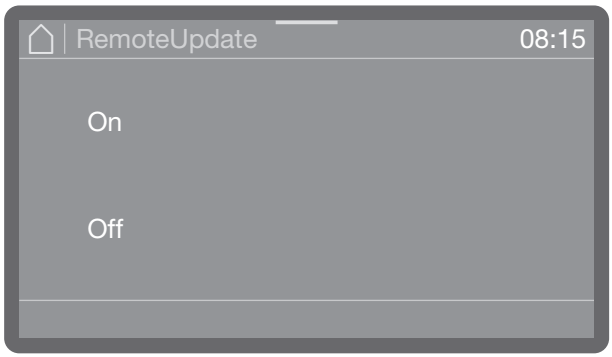
This menu option only appears if the dishwasher has been integrated into the WiFi network.

When a new version of the dishwasher control system is available, you can decide whether or not to automatically update it.

The menu is saved under the following input path.

Extended settings

RemoteUpdate



- On

  The updates are displayed and can be downloaded.

- Off

  Updates are ignored.

- Select an option.

Demo mode

For dealer demonstration purposes only.

The dishwasher is equipped with a Demo mode for dealer use.

The menu is saved under the following input path.

Extended settings

Dealer

Software version

Displays the versions of the individual software components.

The menu is saved under the following input path.

Extended settings

Software version

The relevant software version numbers appear on the display. No settings are possible.

Data plate

Display of the data plate with all important information for your dishwasher, such as the model identifier, electrical connection, etc.

The menu is saved under the following input path.

Extended settings

Data plate

The data plate appears on the display. No settings are possible.

Factory default settings

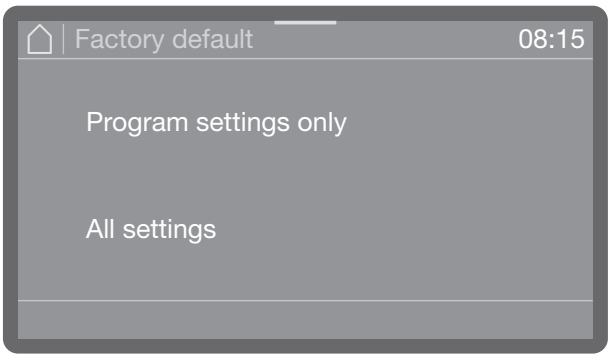
If necessary, the modified program parameters or all dishwasher parameters can be reset to the factory default settings.

The factory default settings should only be restored in consultation with Customer Service.

The menu is saved under the following input path.

Extended settings

Factory default



- Program settings only

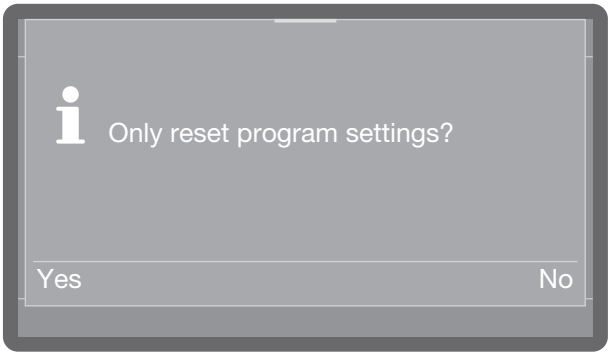
  The changes to the program settings are reset to the factory default settings.

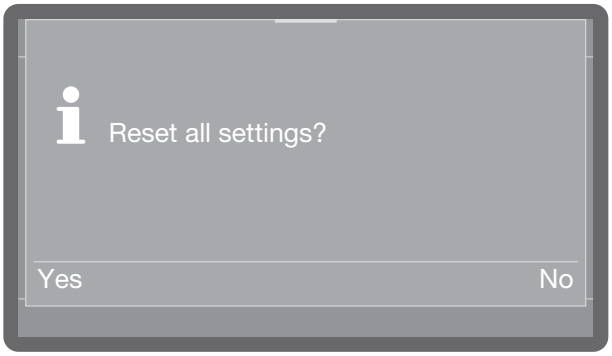
- All settings

  All changes are reset to the factory default settings.

■ Select an option.

Depending on the option you have chosen, you will be asked whether Program settings only or All settings should be reset.





■ Selecting Yes resets the program settings or all settings, depending on the option chosen.

Or:

■ If you do not want to reset, select No.

Legal information

This menu contains legal information such as the imprint, information on data protection, and the terms of use.

The menu is saved under the following input path.

Extended settings

§ Legal Information

The information appears on the display. No settings are possible.

■ Exit the menu with OK.

MAINTENANCE

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

This service work covers the following points:

- Door mechanism and door seal
- Screw connectors and connections in the wash cabinet
- Water intake and drainage
- Internal and external dispensing systems
- Spray arms
- Filter combination
- Collecting basin with drain pump and non-return valve
- All baskets and inserts

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

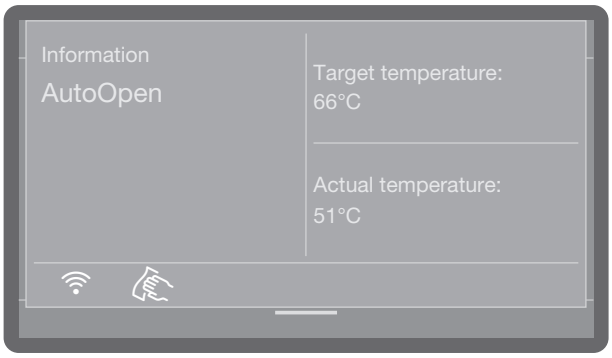
- A program will be run as a test run
- Seals will be tested for water tightness
- All relevant measuring systems will be safety tested, including fault displays
- Safety features

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

⚠ All surfaces are susceptible to scratching.
Contact with unsuitable cleaning agents can alter or discolor the external surfaces.
Only use suitable cleaning agents.

Wipe lock

- You can lock the display when cleaning the control panel and the display to prevent accidental operation during cleaning.



- Open the status window by tapping and dragging the orange bar at the top of the display.
- Tap the symbol.



The display is locked to prevent operation.

- Tap and hold the symbol for 5 seconds to end the wipe lock.

Cleaning the control panel

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

⚠ Damage to the user interface.
Abrasive cleaning agents can damage the user interface.
Do not use abrasive detergents!

Cleaning the machine front

- To clean the stainless steel front, use a damp cloth with a solution of liquid dish soap 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 care product can be used after cleaning.

⚠ Damage to the surfaces.
Cleaning agents containing ammonia and thinners can damage surfaces.
Avoid these products when cleaning.

⚠ Damage to the dishwasher caused by ingress of water.
Do not clean the dishwasher or its immediate vicinity with a hose or a pressure washer.
Make sure that water does not enter the dishwasher when it is being cleaned.

Cleaning the wash cabinet

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

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

Cleaning the door and the door seal

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

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

These surfaces are outside the wash cabinet. They are not accessed by water from the spray jets. As a result, mold fungi can develop here.

Cleaning filters in the wash cabinet

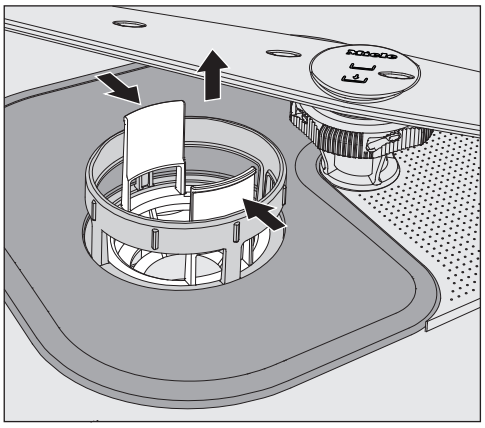
The filter combination in the base of the wash cabinet retains coarse soil from the suds solution. It prevents soiling from entering the circulation system and causing blockages in the spray arms.

When Program lock filter is activated, it is not possible to use the dishwasher without a micro-fine filter!
If the micro-fine filter is not inserted properly, it is not possible to start a program and the following fault message Program lock filter appears on the display.
Insert the micro-fine filter properly and make sure it is positioned correctly (see “Cleaning and care, Cleaning filters in the wash cabinet”).

The filter combination must be checked regularly and cleaned when necessary.

⚠ Risk of injury from glass splinters.
Glass splinters cannot always be detected in the filter straight away.
Take extra care when cleaning the filters.

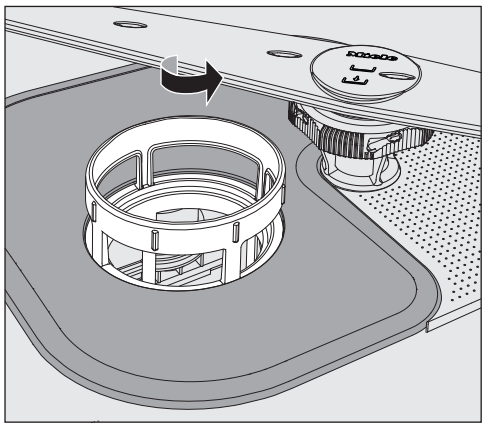
Cleaning the coarse filter



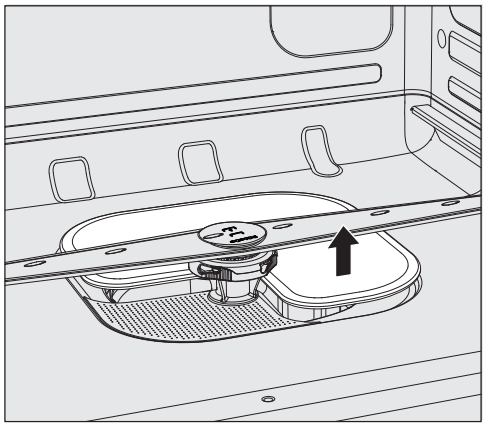
- Press the catches toward each other and remove the coarse filter.
- Rinse the filter thoroughly under running water. If necessary, use a soft cleaning brush to remove dirt.
- Replace the filter, making sure it engages correctly.

Cleaning the flat and micro-fine filters

- Remove the coarse filter as described before.



- 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 under running water. If necessary, use a soft cleaning brush to remove dirt.

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 may get blocked if the filters are not replaced correctly.
Ensure that the filters are positioned correctly.

Cleaning the spray arms

The dishwasher has three different spray arms.

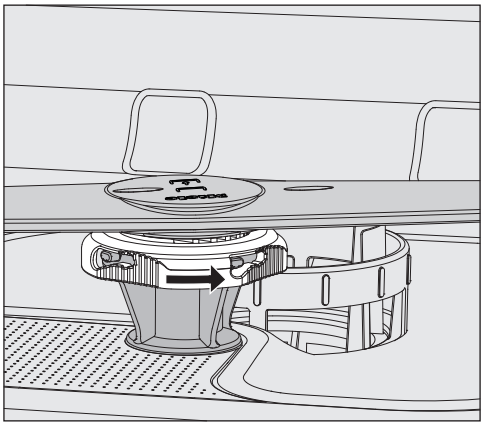
Particles of food can get stuck in the spray arm jets and bearings. The spray arms should therefore be inspected regularly.

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

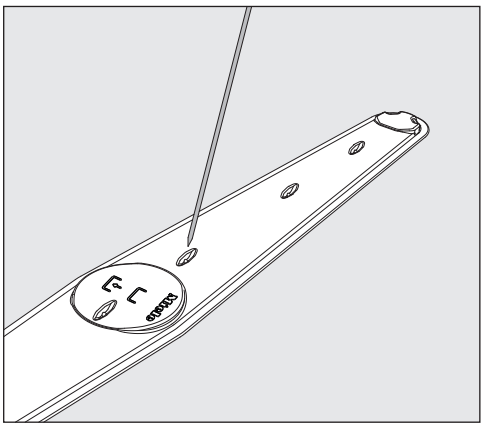
The middle and bottom spray arms are secured with a bayonet fitting.
The middle spray arm is marked with the ⌐↑¬ symbol and the lower spray arm is marked with the ⌐↓¬ symbol to avoid mixing up the spray arms when they are removed.

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 downward 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 upward to remove it.



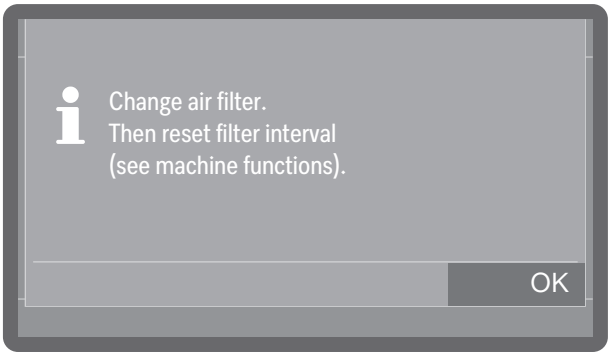
- Use a pointed object to push food particles that are stuck in the spray arm jets into the spray arm.
- Rinse the spray arms thoroughly under running water.

Reinstall the spray arms and check that they rotate freely.

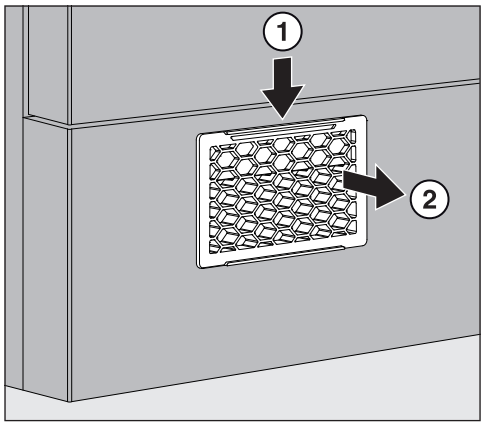
When inserting, pay attention to the symbols on the spray arms to prevent mixing them up.

Changing the air filter (depending on the model)

The air filter for Dry+ drying must be replaced at regular intervals.
A message will appear on the display when the filter needs changing.

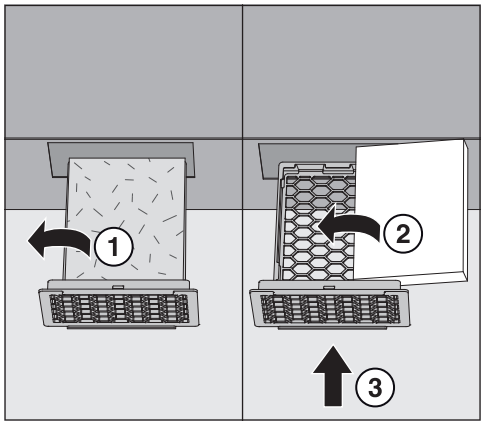


Removing the plastic support



- Push the snap-fit down ① and pull the plastic support forward to remove it ②.

Replacing the filter



- Remove the used filter from the plastic support ①.
- Insert the new filter into the plastic support with the printed side facing down ② and push the plastic support into the slot in the toe-kick until it clicks into place ③.
- Reset the filter interval (see Machine functions, Filter interval).

Troubleshooting

With the aid of the following guide, most minor problems can be corrected without contacting Miele. You can save time and money in many cases, as you do not need to contact Miele Customer Service.

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

⚠ Danger due to incorrect repairs.
Repairs by unqualified persons can cause considerable danger to users.
Repairs should only be carried out by Miele Customer Service, an authorized Miele dealer, or a suitably qualified specialist in accordance with local and national safety regulations.

Technical faults

Problem	Possible cause and solution
The display remains dark and the Start/Stop display light is not flashing after the dishwasher has been switched on with the ⏻ button.	The electrical plug is not plugged in. ■ Insert the electrical plug.
	The circuit breaker has tripped. ■ Reset the breaker (see data plate for minimum protection rating).
The dishwasher stops during a program.	The circuit breaker has tripped. ■ Reset the breaker (see data plate for minimum protection rating). ■ If the circuit breaker trips again, contact Miele Customer Service.
Power outage during operation	If a temporary power outage occurs during a program sequence, no measures are required. The program which was running continues without interruption. If the temperature in the wash cabinet drops below the minimum value required for the program block during the power outage, the program block is repeated.

Faults with water inlet or drainage

Problem	Possible cause and solution
One of the following fault messages or notifications appears on the display:	Before remedying the fault: ■ Turn the dishwasher off with the ⏻ button.
F404 Water inlet, cold too low: check water inlet. Open water supply fully. Turn appliance off and on. If fault persists, contact service. Service phone: Serial number:	Water inlet fault. ■ Open the faucet all the way. ■ Clean the water inlet filter (see “Cleaning and care”).
F541 Water drainage: Turn appliance off and on. Start “Drain” program. Clean filter combination and non-return valve. If fault persists, contact Service. Service phone: Serial number:	Water drainage fault. There may be water in the wash cabinet. ■ Clean the filter combination (see “Cleaning and care”). ■ Clean the drain pump (see “Frequently asked questions”). ■ Clean the non-return valve (see “Frequently asked questions”). ■ Remove any kinks or loops in the drain hose.

Cancel with fault code

If a program is canceled and a fault code appears, e.g., Fault F XXX (where XXX represents a number), there could be a serious technical fault.

In the event of a program being canceled and a fault code being shown:

- Turn the dishwasher off with the ⏻ button.
- Wait approximately 10 seconds before switching the dishwasher on again with the ⏻ button.
- Start the previously selected program again.

If the same fault message appears again:

- Make a note of the fault message.
- Turn the dishwasher off with the ⏻ button.
- Contact Miele Customer Service.

Please also read the notes regarding the following fault codes.

Problem	Possible cause and solution
Fault F 404 – 405	If Check water intake appears on the display, the control system is checking the water intake approx. every 30 seconds. If, after three attempts, water is not getting into the dishwasher, one of these fault codes will appear on the display and the program will be canceled. ■ Open the faucet all the way. ■ Turn the dishwasher off and back on again. ■ Select the program you want to use. ■ Press the *Start/Stop* button.

Problem	Possible cause and solution
Fault F 407–408	Water inlet fault. If the flow pressure is too low, one of these fault codes will appear on the display and the program will be canceled. ■ The flow pressure at the water connection is too low (see “Technical data”). Contact Miele Customer Service for advice.
Fault F 413–414	Water inlet fault. If the flow pressure is too high, one of these fault codes will appear on the display and the program will be canceled. ■ The flow pressure at the water connection is too high (see “Technical data”). Contact Miele Customer Service for advice.
Fault F 433	The door was obstructed when closing and cannot be drawn into the final closed position. ■ Remove the obstruction from the door area.
Fault F 438	Heavy objects in front of the machine can impede the automatic opening of the door via the Comfort Door Lock. ■ Do not place (heavy) objects in front of the door of the dishwasher.
Fault F 446	The door lock is defective. ■ Contact Miele Customer Service.
Fault F 492, 541	The program has not started properly. There may be water in the wash cabinet. ■ Clean the filter combination (see “Cleaning and care”). ■ Clean the non-return valve (see “Frequently asked questions”).
Fault F 550	The Waterproof system has reacted. ■ Close the faucet. ■ Contact Miele Customer Service.
Fault F 578	The peak-load negotiation has lasted longer than 2 hours. ■ Have your electrical system and your energy management system tested by a specialist.

Door

Problem	Possible cause and solution
The door opens again after being closed.	If the door is closed with too much force, the Comfort Door Lock will open it again. ■ Guide the door into the door lock with less force.
Hot wash cabinet: Risk of injury, take care when opening the door.	The temperature in the wash cabinet is over 153°F (67°C) when the ⚷ button is pressed. ⚠ When the door is opened, hot steam and process chemicals can escape. ■ Open the door only when strictly necessary.
The door is open a fraction and cannot be closed using the ⚷ button.	This is not a fault. The Comfort door lock has opened the door slightly at the end of the program. ■ Open the door. The door can now be closed completely again using the ⚷ button.
F433 Door blocked: Remove blockages in door area. Turn appliance off and on.	A protruding wash item is obstructing the door. ■ Sort the wash items so that that they do not obstruct the door. ■ Close the door.
	The Comfort Door Lock is blocked. ■ Try to open the door carefully (without using force) by pulling on the door handle. If the door is still blocked: ■ Open the door using the emergency release. ■ Close the door and try to open it again using the ⚷ button. If it is still blocked: ■ Contact Miele Customer Service.
Anti-trap guard: To continue, open door	This is not a fault. The door is locked while the door locking mechanism retracts to the lock position. ■ Open the door and wait until the door locking mechanism reaches its final position.

Troubleshooting

General problems with the dishwasher

Problem	Possible cause and solution
The dishwasher does not respond to any button. The indicator lights and the display are dark.	The dishwasher is switched off after 10 minutes to save energy. ■ Press the ⏻ button to switch the dishwasher back on.
The display is dark and the *Start/Stop* button is flashing.	The dishwasher is switched to standby mode after 10 minutes to save energy. ■ Press any button to exit standby mode.
The following fault message appears on the display before the program starts: Salt container lid: check fit.	The salt container is not closed properly. ■ Close the container properly.
	Salt residues are preventing it from closing. ■ Remove the salt residues from the refilling funnel, the lid, and the seal. Do **not** use running water to rinse away salt residues as this can cause the container to overflow. ■ Close the container properly.
The following fault message appears on the display: F553 Salt container: Turn appliance off and on. Close flap in the door correctly. If fault persists, contact service. Service phone: Serial number:	The salt container flap has sprung open during a program. ⚠ When the door is opened, hot steam and process chemicals can escape! ■ Open the door and close the container flap.
The following fault message appears on the display: Program lock filter	The filter combination in the base of the wash cabinet is not inserted correctly. The program does not start. ■ Open the door and insert the entire filter combination correctly; see “Cleaning and care, Cleaning filters in the wash cabinet”.
The dispenser cover cannot be closed.	Detergent residue is blocking the latch. ■ Remove the detergent residue.
The inside of the door and/or the interior walls are wet after a program has finished.	This is not a fault. It is caused by the drying system. The moisture will dissipate after a short while.
Water remains in the wash cabinet at the end of the program. **(This does not apply to the Rapid program)**	Before remedying the fault: ■ Turn the dishwasher off with the ⏻ button.
	The filter combination in the wash cabinet is clogged. ■ Clean the filter combination (see “Cleaning and care”).
	The drain pump or non-return valve is blocked. ■ Clean the drain pump or the non-return valve (see “Frequently asked questions”).
	The drain hose is kinked. ■ Remove any kinks from the drain hose.
	The on-site drain siphon is blocked. ■ Check and clean the drain siphon.

Problem	Possible cause and solution
Peak-load negotiation: Heating mode temporarily disabled.	This is not a fault. Your energy management system has detected a peak load in the power supply. Some components in the dishwasher stop operating for the duration of the peak-load negotiation.
Cycles until empty	This is not a fault. The level of process chemicals has reached the value specified for the remaining wash cycles and this is indicated on the display.
Temperature compensation after door opened: Program will continue in min	This is not a fault. If the door is opened during a program sequence and the temperature in the wash cabinet is above 140°F (60°C), pressure equalization takes place once the door is closed.

Noises

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

Troubleshooting

Poor cleaning results

Problem	Possible cause and solution
The dishware is not clean.	The dishware was not loaded correctly. ■ Please observe the instructions in “Application technology, Preparing the wash items”.
	The program was not suitable for the requirements. ■ Select a more suitable program (see “Program overview”).
	Not enough cleaning agent was dispensed. ■ Use more cleaning agent.
	The cleaning agent used is not suitable for the type of soiling present. ■ Switch to another cleaning agent.
	Items are blocking the path of the spray arms. ■ Carry out a rotation check and if needed rearrange the items so that the spray arms can rotate freely.
	The filter combination in the wash cabinet is not clean or was incorrectly installed. This may have caused the spray-arm jets to become blocked. ■ Clean and/or install 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 “Frequently asked questions”).
	If necessary, alter the temperature and/or the holding time of the program being used. ■ Change the relevant parameters for the program. (see “Additional settings, Additional functions”)
Smearing appears on glassware and cutlery. There is a bluish sheen on the surface of glassware; film can be wiped off.	The rinse aid dosage is set too high. ■ Reduce the dosage (see “Additional settings, Additional functions, Dispensing systems”).
Dishware is not dry or cutlery and glasses are spotty.	The rinse aid dosage is set too low or the rinse aid reservoir is empty. ■ Replenish the rinse aid, increase the dosage or change the brand of rinse aid used (see “Adding rinse aid”).
The drying result is unsatisfactory for a dishwasher with Dry+.	Not a fault. The drying time was not sufficient for the dishware. ■ Extend the active drying time (see “⚙ Settings, Dry+”).

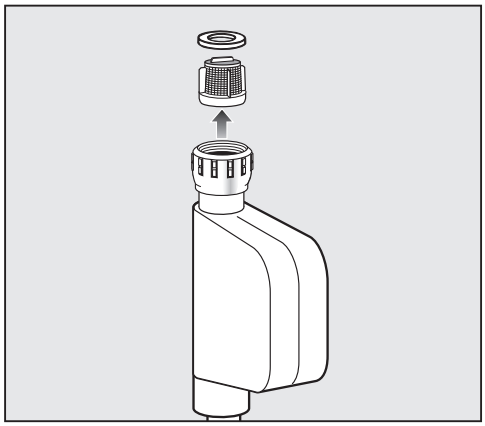
Problem	Possible cause and solution
White residue is visible on the dishware. Clouding occurs on glassware and cutlery; the deposit can be wiped off.	The rinse aid dosage is too low. ■ Increase the quantity dispensed (see “Additional settings, Additional functions, Dispensing system”).
	The salt reservoir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

Cleaning the water inlet filter

A filter is incorporated in the screw connection to protect the water intake valve. If the filter is soiled, insufficient water flows into the wash cabinet.

⚠ Risk of electric shock from voltage.
The plastic housing of the water connection contains an electrical valve.
The housing must not be dipped in water.

- Disconnect the dishwasher from the power supply.
  To do this, turn off the dishwasher and disconnect the electrical plug.
- Close the faucet.
- Unscrew the water intake valve.



- Take the seal ring out of the screw connection.
- Using needle-nose pliers, take hold of the plastic filter bar and pull it through the filter.
- Rinse the filter under running water.
- Re-assemble in reverse order.

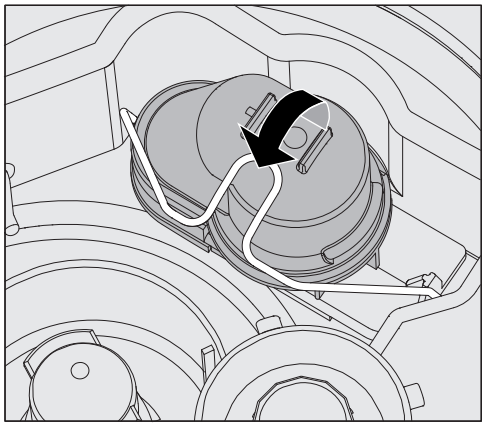
Screw the screw connection securely back onto the faucet. Slowly open the faucet. If water drips out, tighten the connection.

Never forget to put the filter back in place after cleaning.

Cleaning the drain pump and non-return valve

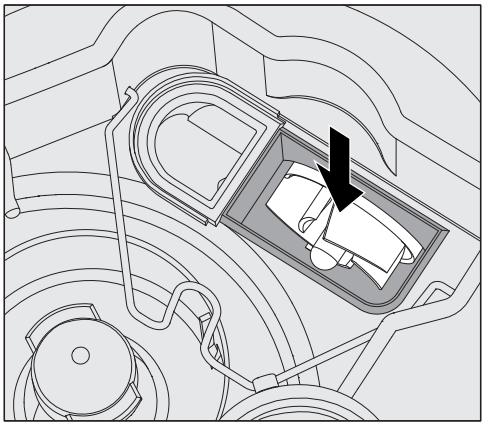
If the water has not been pumped away at the end of a wash program (excluding the Rapid program), there may be a foreign object blocking the drain pump or the non-return valve. These are easy to remove.

- Disconnect the dishwasher from the water supply and the power supply (switch the dishwasher off, unplug the electrical plug, or disconnect or disable the breaker).
- Take the filter combination out of the wash cabinet (see “Cleaning and care”).



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

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



- Check for foreign objects blocking the drain pump before replacing the non-return valve.
- Carefully replace the non-return valve and secure it with the clamp.

Customer Service

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

- your Miele dealer, or
- Miele Customer Service

Contact details for Miele Customer Service can be found at the back of these operating instructions.

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

Both are shown on the data plate, located at the top of the door.

Program chart

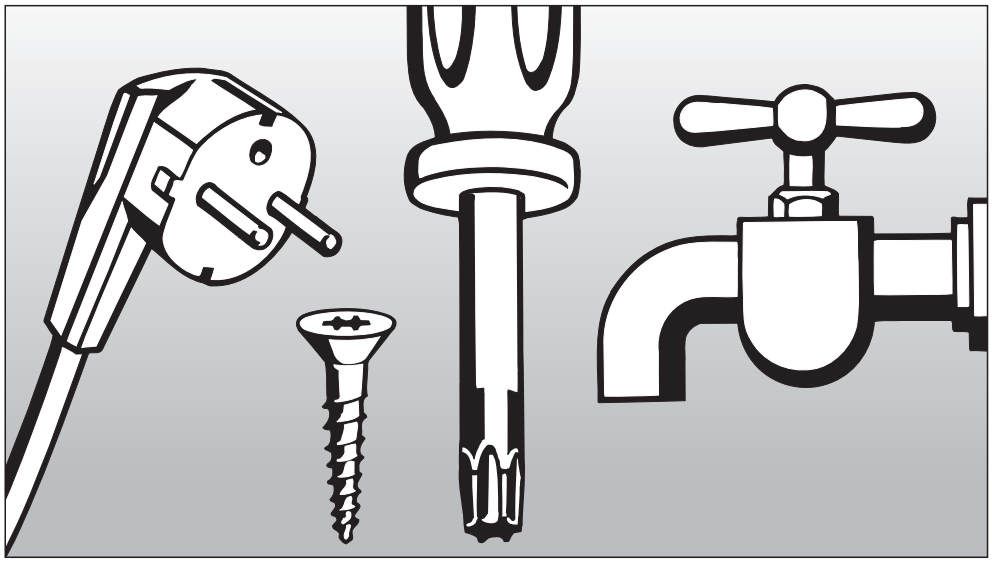
Program	Application	Powder cleaning agent (if liquid cleaning agent is **not** dispensed) The following dosages are based on Miele cleaning products. **Please follow manufacturer's instructions.**
Normal	Program for regular use to completely wash a full load of normally soiled dishes	20–25 g or 1 detergent tab
Normal plus	For more soiled wash items.	20–25 g or 1 detergent tab
Intensive	For heavily soiled wash items.	20–25 g or 1 detergent tab
Reactivation	Manual reactivation. This can be run to avoid being forced to run a reactivation program during busy periods.	
Rinse	Use for rinsing heavily soiled wash items and to prevent soiling from drying on. Also used for flushing salt residues out after refilling the salt container.	
Drain	For pumping away the water when, for example, the water for the Super Short program needs to be renewed or a program has been canceled.	

Program sequence							
1. Pre-wash 1	2. Pre-wash 2	3. Main wash 1 ①, ②	4. Interim rinse 1	5. Interim rinse 2	6. Final rinse 1 ①, ②	7. Dry+ $\underline{\{\{\{}^{+}$	8. AutoOpen
X		X 151°F (66°C) 1 min		(X)	X 185°F (85°C) 1 min	–	–
X		X 151°F (60°C) 2 min	X	(X)	X 185°F (85°C) 1 min	–	–
X	X	X 151°F (66°C) 3 min	X	(X)	X 185°F (85°C) 1 min	–	–
Reactivation sequence			X				
	X						

X = stages included in a program
(X) = optional stages which can be selected (see “Additional settings, Additional functions”)

(1) Temperature ranges from 85–185°F (30–85°C) (see “Additional settings, Additional functions”).
In the Super Short program, the temperature can only be increased to a maximum of 160°F (70°C).
(2) Holding time ranges from 0–10 minutes (see “Additional settings, Additional functions”).
The holding time range in the Super Short program is 0–300 seconds.
(3) Runs with cold water and without rinsing agent.
(4) Temperature increase with Dry+ active drying (depending on the model).

INSTALLATION INSTRUCTIONS



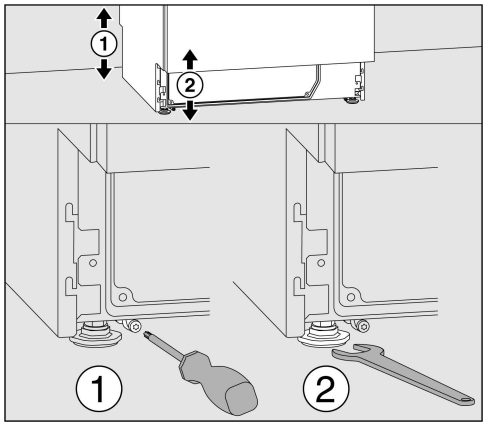
Please refer to the Installation Diagram supplied with these instructions.
To comply with IEC sound testing protocols, please contact Miele for additional instructions.

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

Installation

⚠ Damage caused by condensation.
In order to reduce the risk of damage from condensation, the cabinetry in the area around the dishwasher should be designed for commercial use.
Only use cabinetry that is designed for commercial use.

The dishwasher must be stable and horizontal. Any unevenness in the floor level and height of the machine can be compensated for by adjusting the four feet.



The machine height can be adjusted from 32 5/16–34 5/8" (820–880 mm) using the machine feet. Dishwashers with lids have an additional 9/16" (15 mm) in height.
The front machine feet can be adjusted with a wrench (wrench size 13); the rear ones can be adjusted via the supplied skids with a T20 Torx screw.
If the skids of the rear adjustable feet are not installed, the adjustable feet can also be adjusted with the wrench.
They are adjusted upward when turned clockwise and downward when turned counterclockwise.

When using the skids, be sure to distinguish between right and left.

If the dishwasher is to be installed next to other machines and cabinetry or in a recess, an installation space measuring at least 23 5/8" (600 mm) in width and 23 5/8" (600 mm) in depth is required.

Dishwashers with active drying require a space measuring 22 3/4" (580 mm) in depth.

Undercounter installation

⚠ Risk of the machine tipping.
To ensure stability, an undercounter dishwasher must only be installed beneath a continuous countertop that is bolted to the adjacent cabinetry.
Install the dishwasher underneath a bolted continuous countertop.

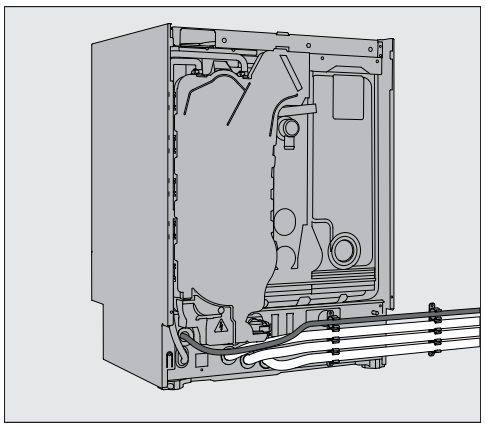
If the dishwasher is to be installed beneath a continuous countertop, an installation space measuring at least 23 5/8" (600 mm) wide, 23 5/8" (600 mm) deep, and 32 5/16" (820 mm) high is required.
Dishwashers with active drying require an installation space measuring 22 3/4" (580 mm) in depth.

Dishwashers with a plinth return are supplied with a toe-kick filler panel. This can be installed instead of a toe-kick board.

When adjusting the dishwasher height, the feet must not be unscrewed by more than 2 3/8" (60 mm).

Hose holder

The supplied hose holders can be used to lay the power cord and the hoses for supply and waste water in a way that saves space. The hose holder prevents hoses from kinking or crushing when installing the machine in tight recesses.
The power cord and hoses can be laid either on the left or the right, depending on the connection situation.



Adjustable toe-kick panel (depending on the model)

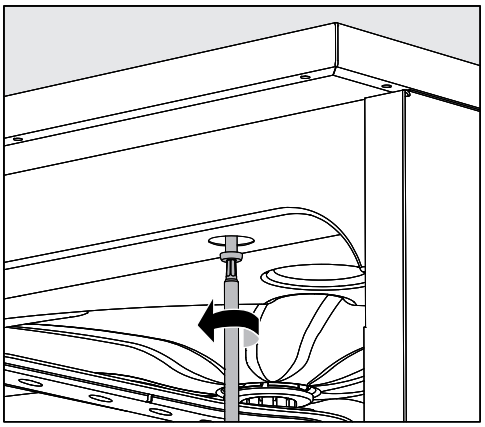
Dishwashers with internal dispensing or active drying have an adjustable toe-kick panel.

- Level the dishwasher.
- Open the dishwasher door halfway and loosen the two screws now visible at the top of the toe-kick panel.
- Pull the toe-kick panel upward first and then forward.
- Loosen the two screws on the right and left of the toe-kick behind the panel.
- Pull the inside of the toe-kick down to the floor.
- Tighten the two screws again.
- Reassemble the toe-kick panel by following the instructions above, but in reverse order.

Removing the machine lid

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

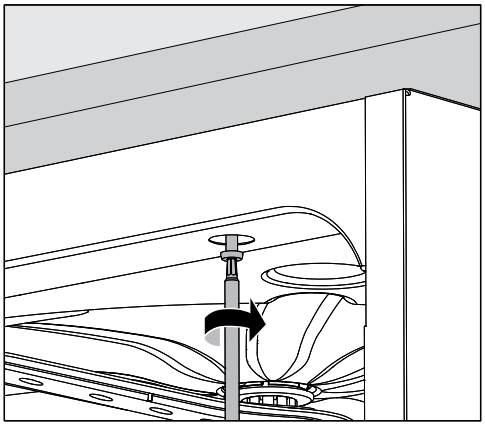
- Remove both securing screws on the back of the dishwasher with a screwdriver.
- Open the door.



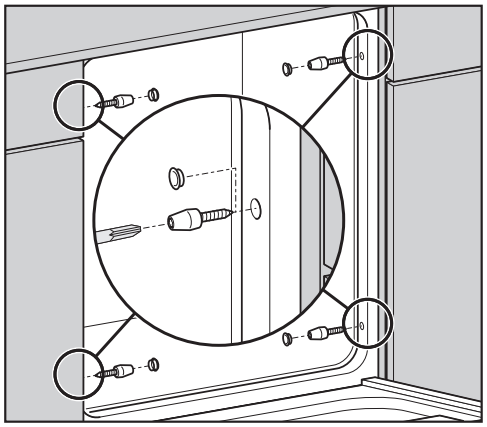
- Unscrew the left and right fastening screws with a screwdriver.
- Lift the machine lid upward to remove.

Leveling and securing the dishwasher

To guarantee stability, the dishwasher must be secured to the countertop after leveling.



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



With stainless steel or stone countertops, the dishwasher must be secured at the sides to the left and right adjacent cabinetry 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 these.
In the case of undercounter dishwashers, the holes are already provided in the side walls.

The gaps between undercounter dishwashers and adjacent cabinets or machines must not be filled with silicone sealant as this could compromise the ventilation of the circulation pump.

Depending on the undercounter situation, the cover foil supplied can be attached to the lower edge of the countertop. The cover foil protects the lower edge of the countertop from steam damage.

Moving the dishwasher's installation site

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

⚠ Component damage caused by carrying.
Do not lift the dishwasher by any protruding components, e.g., the control panel. These parts could break off.
Do not hold onto protruding components when moving the dishwasher.

⚠ Damage caused by transportation using a hand truck.
Using a hand truck to subsequently move the dishwasher may cause damage to the machine.
Only transport the dishwasher on a hand truck in its original packaging. For subsequent moves, the dishwasher must be placed on a continuous base to avoid damage.

Electrical connection

⚠ Danger caused by improper electrical connection
All electrical connection work must be carried out by a qualified electrician in accordance with local and national safety regulations.
Ask a qualified specialist to complete the electrical connection work.

- The electrical installation must be in compliance with current local and national safety regulations!
- The connection to the power supply must comply with national regulations (plug and socket must be accessible after the machine has been installed). An electrical safety test can be carried out after any service or maintenance work.
- If the dishwasher is hard-wired to the power supply, a circuit breaker capable of disconnecting the dishwasher at all poles must be installed in accordance with local codes.
- If necessary, equipotential bonding must be carried out.
- The power cord should only be replaced with an original Miele spare part.
- For technical data, see the data plate or the attached wiring diagram.

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

WARNING
THIS APPLIANCE MUST BE GROUNDED

GROUNDING INSTRUCTIONS

For a grounded, cord-connected appliance:

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

For a permanently connected appliance:

This appliance must be connected to a grounded metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment-grounding terminal or lead on the appliance.

Peak-load negotiation

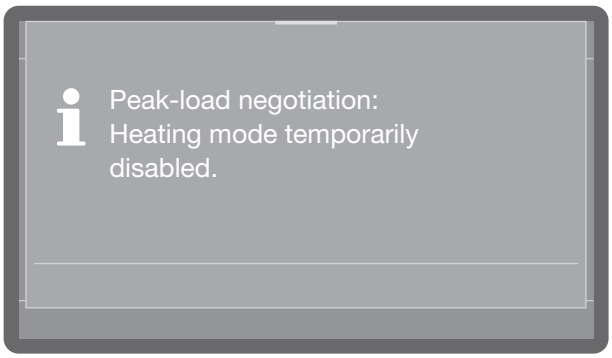
The dishwasher is suitable for use in an energy management system. For this purpose, the dishwasher must be technically adapted and the controls reset by Miele Customer Service.

Please contact Miele Customer Service for additional information.

Load management

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

Load negotiation is indicated by the following message, e.g.:

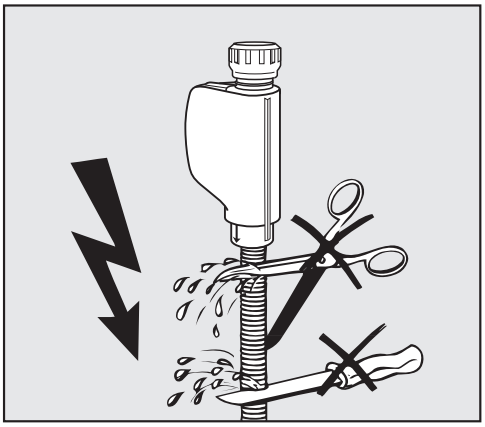


Connecting the water inlet

⚠ Health risk posed by process chemicals
Water in the dishwasher must not be used as drinking water.
Do not drink water from the dishwasher.

Do not re-use removable sets of hoses. Use the sets of hoses supplied with the dishwasher.

- The dishwasher must be connected to the water supply in strict accordance with current local and national water authority regulations.
- The water used must at least comply with national codes for drinking water quality. If the water supply has a high iron content, there is a risk of corrosion occurring on wash items in the dishwasher, as well as the dishwasher itself. If the chloride content of the water exceeds 100 mg/L, the risk of corrosion to wash items being cleaned in the dishwasher will be further increased.
- In certain regions (e.g., mountainous regions), the water composition may cause precipitates to form, requiring the use of softened water for the dishwasher.
- The dishwasher complies with all valid European standards on the protection of drinking water.
- To improve electrical safety, the water supply pipe must be connected to an equipotential bonding system; see the installation plan.
- The water pressure (flow pressure) must amount to at least 29 psi (200 kPa) overpressure (100 kPa = 1 bar = 14.5 psi). At a water pressure (flow pressure) below 29 psi (200 kPa), the water inlet time extends automatically. The maximum permissible static pressure amounts to 145 psi (1,000 kPa) (overpressure). If the water pressure does not lie in the 29–145 psi (200–1,000 kPa) range, contact Miele Service for advice.
- The dishwasher is supplied as standard for connection to cold water (blue coded hose) **and** hot water up to max. 150°F (65°C) (red coded hose). Connect the water inlet hoses to the supply valves for cold and hot water.
- If no hot water supply is available, the inlet hose with the **red** marking must also be connected to the cold water supply.
- A faucet with a 3/4 inch male thread must be provided on site. This should be easily accessible, since the water inlet should be shut off whenever the machine is not in use.
- The DN 10 water inlet hose is approx. 67" (1.7 m) long, terminating in a 3/4 inch female thread. A 59" (1.5 m) long flexible metal extension hose (tested to 140 bar) is available as an optional accessory if required. The inlet filter in the female thread must not be removed under any circumstances.



⚠ Damage caused by shortening the hose.
Do **not** shorten or otherwise damage the water inlet hoses supplied with the machine.
Do not shorten the water inlet hoses.

Please also refer to the installation plan provided.

Connecting the water drainage system

- The dishwasher drainage system has a non-return valve, which prevents dirty water from flowing back into the dishwasher via the drain hose.
- The dishwasher drainage hose should be connected to a **separate** on-site drainage system for the dishwasher only. If no separate drain is available, we recommend connecting it to a dual-chamber siphon. The on-site connection must be between 12" (0.3 m) and 39" (1 m) in height, measured from the lower edge of the machine. If the connection is lower than 12" (0.3 m), the drain hose must be placed in an arc at least 12" (0.3 m) high.
- The dishwasher is supplied with an approx. 59" (1.5 m) flexible drain hose with an internal diameter of 7/8" (22 mm). Hose clips are supplied with the dishwasher.
- The drain hose must not be shortened. The hose can be extended using a connection piece to attach a further length of hose. The drainage length must not be longer than 13 ft (4 m).
- The drainage system must be able to handle a discharge rate of at least 4.2 gpm (16 l/min).

⚠ Damage caused by incorrect routing.
Make sure that there are no kinks in the drain hose, and that it is not crushed or stretched.
Make sure that there are no kinks in the drain hose and that it is not crushed or stretched.

Please refer to the installation plan provided.

	Imperial	Metric
Height with machine lid Height without machine lid	32 7/8" adjustable + 2 1/4" 32 5/16" adjustable + 2 1/4"	835 mm adjustable + 60 mm 820 mm adjustable + 60 mm
Width	23 1/2"	598 mm
Depth Depth with door open	23 1/2" 47 1/4"	580 mm 1,180 mm
Weight (net)	Approx. 154 lbs	Approx. 70 kg
Voltage, rated load, fuse rating	See data plate	See data plate
Power cord	Approx. 1.7 m	Approx. 1.7 m
Water connection water temperature: Cold water/steam condenser (optional) Hot water	 Max. 68°F Max. 149°F	 Max. 20°C Max. 65°C
Static water pressure	1.000 kPa overpressure	1.000 kPa overpressure
Minimum water connection flow pressure: Cold water/steam condenser (optional) Hot water	 14.5 psi 5.8 psi	 100 kPa overpressure 40 kPa overpressure
Recommended water connection flow pressure: Cold water/hot water Steam condenser (optional – connection via cold water)	 29 psi 14.5 psi	 ≥ 200 kPa overpressure ≥ 200 kPa overpressure
Water inlet hose	Approx. 1.7 m	Approx. 1.7 m
Drain hose	Approx. 1.5 m	Approx. 1.5 m
Delivery head	Min. 1', max. 3' 3"	Min. 0.3 m max. 1.0 m
Drainage length	Max. 13' 1"	Max. 4.0 m
Operating conditions: Ambient temperature Maximum relative humidity Linear decrease to Minimum relative humidity	 40 - 104°F 80 % for temperatures up to 88°F 50% for temperatures up to 104°F 10%	 5°C to 40°C 80% for temperatures up to 31°C 50% for temperatures up to 40°C 10%
Storage and transportation conditions: Ambient temperature Relative humidity Air pressure	 -4°F to 140°F 10% to 85% 7.25 psi to 15.37 psi	 -20°C to 60°C 10% to 85% 500 hPa to 1060 hPa
Altitude above sea level (according to IEC/EN 60335)	Up to 6,561 ft*	Up to 2,000 (m)*
Protection category (according to IEC 60529)	IP21	IP21
Noise emission values Sound power in LwA Sound pressure in LpA	Undercounter installation with wooden trim in front of toe-kick, Short program 59 dB (A) 47 dB (A)	Undercounter installation with wooden trim in front of toe-kick, Short program 57 dB (A) 45 dB (A)
Wi-Fi standard	802.11 b/g/n	
WiFi frequency band	2,400-2,483.5 MHz	
Maximum WiFi transmission power	< 100 mW	
Certification marks	Intertek approval	
Manufacturer's address	Miele & Cie. KG, Carl-Miele-Strasse 29, 33332 Gütersloh, Germany	

* If installation site is above 6.561 ft (2,000 m), the boiling point of the wash water will be lower. For this reason, the program parameters may have to be adjusted.

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

U.S.A.

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