


Operating and installation instructions Combination steam oven



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

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Warning and Safety instructions

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

Read the operating and installation instructions carefully before using the combination steam oven. They contain important information on safety, installation, use and maintenance. This prevents both personal injury and damage to the combination steam oven.

In accordance with standard IEC/EN 60335-1, Miele expressly and strongly advises that you read and follow the instructions in the chapter on installing the combination steam oven as well as the safety instructions and warnings.

Miele cannot be held liable for injury or damage caused by non-compliance with these instructions.

Keep these instructions in a safe place and pass them on to any future owner.

Warning and Safety instructions

Correct application

- ▶ This combination steam oven is intended for use in the home and in similar environments, for example
 - in shops, offices and similar work settings
 - by the guests in hotels
 - in motels, bed & breakfasts and other typical home settings.This appliance is not intended for outdoor use.
- ▶ This combination steam oven is not intended for outdoor use.
- ▶ The combination steam oven is intended for domestic use only to steam-cook, bake, roast, grill, defrost and reheat food. All other types of use are not permitted.
- ▶ This combination steam oven may only be used by people with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they are supervised whilst using it. They may only use it unsupervised if they have been shown how to use it in a safe manner. They must be able to recognise and understand the dangers of misuse.
- ▶ The oven compartment is equipped with special lamps to cope with particular conditions (e.g. temperature, moisture, chemical resistance, abrasion resistance and vibration). These special lamps must only be used for the purpose for which they are intended. They are not suitable for room lighting. Replacement lamps may only be fitted by a Miele authorised technician or by your Miele dealer.
- ▶ The combination steam oven contains 3 light sources corresponding to energy efficiency class E.

Safety with children

- ▶ Activate the system lock to ensure that children cannot switch the combination steam oven on by mistake.
- ▶ Children under 8 years of age must be kept away from the combination steam oven unless they are constantly supervised.
- ▶ Children aged 8 and older may only use the combination steam oven without supervision if they have been shown how to use it in a safe manner. Children must be able to understand and recognise the possible dangers caused by incorrect operation.
- ▶ Children must not be allowed to clean or maintain the combination steam oven unsupervised.
- ▶ Children should be supervised in the vicinity of the combination steam oven. Never allow children to play with the combination steam oven.
- ▶ Risk of suffocation due to packaging material. Whilst playing, children may become entangled in packaging material (such as plastic wrapping) or pull it over their head, presenting the risk of suffocation.
Keep packaging material away from children.
- ▶ Risk of injury caused by hot surfaces and steam. Children's skin is far more sensitive to high temperatures than that of adults. External parts of the combination steam oven such as the door glass, control panel and the vent become quite hot. Do not let children touch the combination steam oven when it is in operation.
Keep children well away from the combination steam oven until it has cooled down and there is no risk of injury.
- ▶ Risk of injury from the open door.
The oven door can support a maximum weight of 10 kg. Children could injure themselves on an open door.
Do not let children sit on the open door, lean against it or swing on it.

Warning and Safety instructions

Technical safety

- ▶ Unauthorised installation, maintenance and repairs can cause considerable danger for the user. Installation, maintenance and repairs must only be carried out by your Miele dealer.
- ▶ Damage to the combination steam oven can compromise your safety. Check the combination steam oven for visible signs of damage. Do not use a damaged combination steam oven.
- ▶ Temporary or permanent operation on an autonomous power supply system or a power supply system that is not synchronised with the mains power supply (e.g. island networks, back-up systems) is possible. A prerequisite for operation is that the power supply system complies with the specifications of EN 50160 or an equivalent standard.

The function and operation of the protective measures provided in the domestic electrical installation and in this Miele product must also be maintained in isolated operation or in operation that is not synchronised with the mains power supply, or these measures must be replaced by equivalent measures in the installation. As described, for example, in the current version of BS OHSAS 18001–2 ISO 45001.

- ▶ The electrical safety of this combination steam oven can only be guaranteed when correctly earthed. It is essential that this basic safety requirement is fulfilled. If in doubt, the electrical installation should be checked by a qualified electrician.
- ▶ The connection data (voltage and frequency) on the data plate of the combination steam oven must match the mains electricity supply in order to avoid the risk of damage to the oven. Compare this before connecting the appliance to the mains. If in any doubt, consult a qualified electrician.
- ▶ Multi-socket adapters and extension leads do not guarantee the required safety of the appliance. Do not use these to connect the combination steam oven to the domestic electrical supply.
- ▶ For safety reasons, the combination steam oven may only be used when it has been built in and fully installed.

Warning and Safety instructions

- ▶ This combination steam oven must not be used in a non-stationary location (e.g. on a ship).
- ▶ Risk of injury due to electric shock. Any contact with live connections or tampering with the electrical or mechanical components of the combination steam oven will endanger your safety and may lead to appliance malfunctions.
Do not open the housing of the combination steam oven under any circumstances.
- ▶ While the combination steam oven is under warranty, repairs should only be undertaken by a Miele authorised technician. Otherwise the warranty will be invalidated.
- ▶ Miele can only guarantee the safety of the appliance when genuine original Miele replacement parts are used. Faulty components must only be replaced by Miele spare parts.
- ▶ If the plug is removed from the mains supply cord or if the mains supply cord is supplied without a plug, the combination steam oven must be connected to the electrical supply by a qualified electrician.
- ▶ If the mains supply cord is damaged, it must be replaced with a special mains supply cord (see “Electrical connection” in the “Installation” chapter).
- ▶ During installation, maintenance and repair work, the combination steam oven must be completely disconnected from the mains electricity supply. To ensure this, do one of the following:
 - Disconnect the mains fuse
 - Completely unscrew the screw-out fuse (in countries where this is applicable)
 - Pull out the plug (if one is present) at the wall socket. To do this, pull the plug and not the mains supply cord.


Warning and Safety instructions

- ▶ If the combination steam oven is built in behind a furniture front (e.g. a door), do not close the furniture door while the oven is in use. Heat and moisture can build up behind the furniture front when closed. This can result in damage to the combination steam oven, the housing unit and the floor. Leave the furniture door open until the combination steam oven has cooled down completely.
- ▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the appliance and its surroundings clean at all times. Any damage caused by cockroaches or other vermin will not be covered by the warranty.

Correct use

- ▶ Risk of injury caused by hot surfaces and steam. The combination steam oven gets hot during operation. You could burn yourself on the steam, heater elements, oven compartment, accessories or food. Use oven gloves when placing hot food in the appliance or removing it and when working in the hot oven compartment.
- ▶ Risk of injury caused by hot food. Food may spill or splash around when placing it into the oven or removing it. The food can cause burns. When placing cooking containers into the oven or removing them, make sure that the hot food does not spill.
- ▶ Heating up food in closed containers, such as tins or sealed jars, will result in an increase in pressure, which can cause them to explode. Do not heat up unopened tins or jars of food in the oven.
- ▶ Plastic dishes that are not suitable for use in an oven will melt and may ignite at high temperatures, and can damage the combination steam oven. Use only plastic containers that are suitable for use in an oven. Follow the instructions from the crockery manufacturer. If you wish to use plastic containers for steam cooking, make sure that these are heat-resistant to 100 °C and able to withstand hot steam. Other plastic containers can melt or become fragile and brittle.

Warning and Safety instructions

- ▶ Food which is left in the oven compartment can dry out and the moisture released can lead to corrosion damage in the combination steam oven. Do not leave food in the oven compartment and do not use any cooking containers which are susceptible to corrosion.
- ▶ Risk of injury from the open door. You could bang into the open door or trip over it. Avoid leaving the door open unnecessarily.
- ▶ The door can support a maximum load of 10 kg. Do not lean or sit on the door when open, or place heavy items on it. Make sure that nothing gets trapped between the door and the oven compartment. This could damage the combination steam oven.
- ▶ Oils and fats can ignite if allowed to overheat. Never leave the combination steam oven unattended when cooking with oil or fats. Never attempt to put out oil or fat fires with water. Switch the combination steam oven off and extinguish the flames by leaving the door closed.
- ▶ Due to the high temperatures radiated, objects left near the combination steam oven could catch fire. Do not use the combination steam oven to heat up the room.
- ▶ Grilling food for excessively long cooking durations can cause it to dry out with the risk of catching fire. Do not exceed the recommended cooking durations.
- ▶ Certain foods dry out quickly and may catch fire due to high grill temperatures.
Never use grill modes to finish baking partially baked rolls or bread or to dry flowers or herbs. Use the Fan plus  or Conventional heat functions instead.
- ▶ To avoid fuelling any flames, do not open the combination steam oven door if there is smoke inside the oven compartment. Interrupt operation by switching the combination steam oven off and disconnecting it from the electricity supply. Do not open the door until the smoke has dispersed.

Warning and Safety instructions

- ▶ Never line the floor of the oven compartment with aluminium foil or oven liners. Do not place any crockery or any pans, pots or baking trays directly on the floor of the oven compartment.
If you want to use the floor of the oven compartment as an extra surface, place the rack on the floor of the oven compartment with the rack surface facing up and the cooking container on top. In doing so, ensure that the filter in the floor of the oven is not moved.
- ▶ The oven compartment floor can become damaged by the rack being pushed around on it.
Do not push the rack around on the oven compartment floor.
- ▶ Larger deposits of food can block the drain and pump. Always make sure that the filter in the floor of the oven is inserted.
- ▶ When using a electrical appliance, e.g. a hand-held blender, near the combination steam oven, ensure that the mains connection cable of the appliance cannot get trapped in the combination steam oven door. This could damage the insulation on the cable.
- ▶ The steam could reach live electrical components and cause a short circuit. This could also destroy the electrical components. Do not use the combination steam oven if it does not have a lamp cover.

Cleaning and care

- ▶ Risk of injury due to electric shock. The steam from a steam cleaning appliance could reach live electrical components and cause a short circuit. Do not use a steam cleaner to clean the appliance.
- ▶ Scratches on the door glass can result in the glass breaking. Do not use abrasive cleaners, hard sponges, brushes or sharp metal tools to clean the door glass.
- ▶ The side runners can be removed (see “Cleaning and care – Cleaning the side runners”). Refit the side runners correctly.
- ▶ Try to avoid the interior walls being splashed with food or liquids containing salt. If it does happen, wipe these away thoroughly to avoid corrosion to stainless steel surfaces inside the cabinet.

Accessories

- ▶ Only use genuine original Miele accessories and spare parts with this appliance. Using accessories or spare parts from other manufacturers will invalidate the guarantee, and Miele cannot accept liability.
- ▶ Miele will guarantee to supply functional spare parts for a minimum of 10 years and up to 15 years following the discontinuation of your combination steam oven.

Caring for the environment

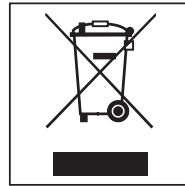
Disposing of the packaging material

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

Recycling the packaging material reduces the use of raw materials. Your Miele dealer will take the packaging material away.

Disposal of your old appliance

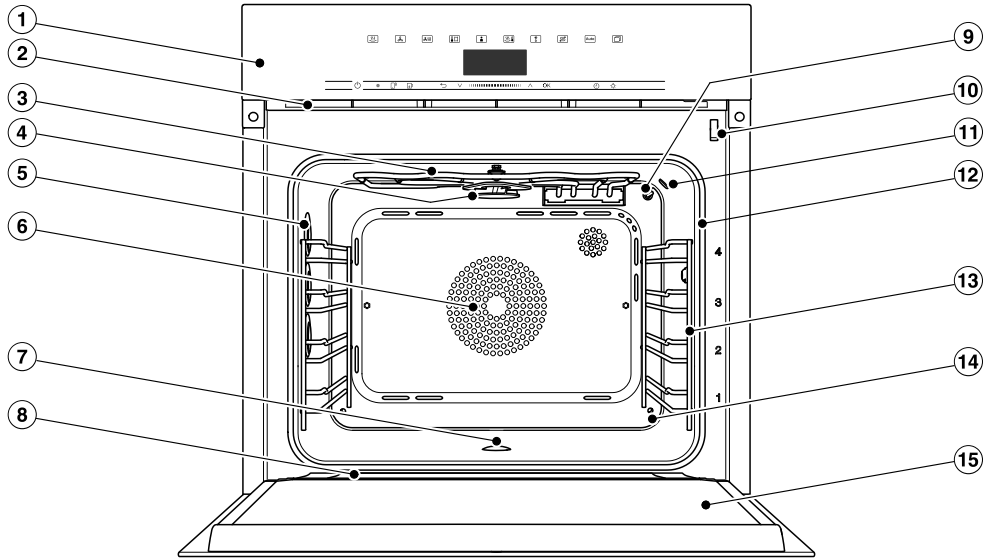
Electrical and electronic appliances often contain valuable materials. They also contain materials which, if handled or disposed of incorrectly, could be potentially hazardous to human health and to the environment. They are, however, essential for the correct functioning of your appliance. Please do not therefore dispose of it with your household waste.



Please contact your Miele dealer. They will provide support for its disposal.

Ensure that it presents no danger to children while being stored for disposal.

Combination steam oven



- ① Control elements
- ② Ventilation outlet
- ③ Top heat/grill element
- ④ Distribution wheel for HydroClean cleaning
- ⑤ Oven interior lighting
- ⑥ Air inlet for the fan with ring heating element behind it
- ⑦ Oven compartment floor with bottom heater element and floor filter underneath it
- ⑧ Drip channel
- ⑨ Temperature sensor
- ⑩ Door lock for HydroClean cleaning
- ⑪ Moisture sensor
- ⑫ Door seal
- ⑬ Side runners with 4 shelf levels
- ⑭ Steam inlet
- ⑮ Door

Guide to the appliance



- ① Condensate container
- ② Condensate container compartment
- ③ Compartment for water container
- ④ Water container

A list of the models described in these operating and installation instructions can be found on the back page.

Data plate

The data plate is located on the top of the housing.

The data plate states the model identifier, the serial number as well as connection data (mains voltage, frequency and maximum rated load).

The model identifier and the serial number (SN) can also be found on the small plate at the top on the opened control panel.

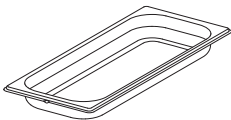
Please have this information to hand, should you need to contact your Miele dealer regarding any questions or problems.

Accessories supplied

The accessories supplied with your appliance as well as a range of optional ones are available to order from your Miele dealer (see „Optional accessories“).

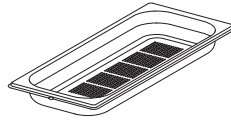
Further accessories may be included depending on the country and model in question.

DGG 20



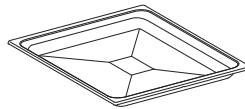
1 solid cooking container
Gross capacity 2.4 l / Usable capacity 1.8 l
450 x 190 x 40 mm (W x D x H)

DGGL 20



1 perforated cooking container
Gross capacity 2.4 litres / Usable capacity 1.8 litres
450 x 190 x 40 mm (W x D x H)

Universal tray



1 universal tray for baking, roasting and grilling

Combi rack



1 combi rack for baking, roasting and grilling

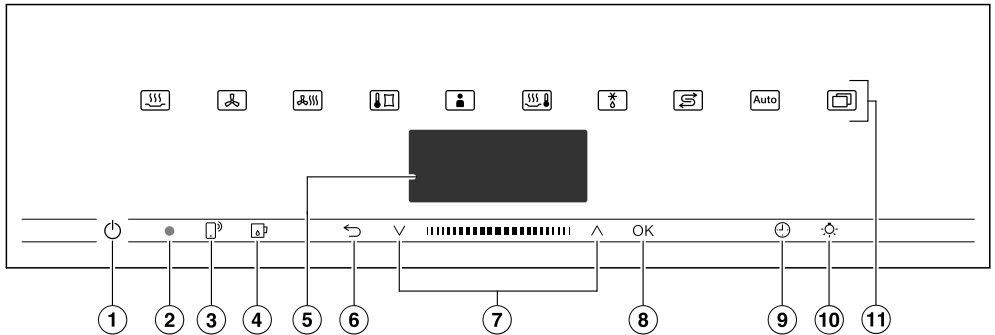
HydroCleaner









1 special cleaning agent for cleaning the oven compartment with the HydroClean care programme. Particularly suitable for removing heavy, stubborn soiling.

Descaling tablets


For descaling the combination steam oven

Controls



- ① Recessed  On/Off sensor control
For switching the combination steam oven on and off
- ② Optical interface
(For your Miele dealer only)
- ③  sensor control
For controlling the combination steam oven via your mobile device
- ④  sensor control
For opening and closing the control panel
- ⑤ Display
For displaying the time of day and information on operation
- ⑥  sensor control
For going back a step and for changing menu options during a cooking programme
- ⑦ Navigation area with  and  arrow buttons
For scrolling through lists and for changing values
- ⑧ *OK* sensor control
For selecting functions and saving settings
- ⑨  sensor control
For setting a minute minder, the cooking duration or the start or end time for the cooking programme
- ⑩  sensor control
For switching the oven interior lighting on and off
- ⑪ Sensor controls
For selecting functions, automatic programmes and settings


On/Off sensor control

The  On/Off sensor control is recessed and responds to touch.


Use this sensor control to switch the combination steam oven on and off.

Display

The display is used for showing the time of day or information about operating modes, temperatures, cooking durations, automatic programmes and settings.

After switching the combination steam oven on with the  On/Off sensor control, Select function will appear in the main menu.

Sensor controls

The sensor controls react to touch. Every touch of a sensor is confirmed with an audible keypad tone. You can turn this keypad tone off using Further  | Settings | Volume | Keypad tone.





If you want the sensor controls to respond even when the combination steam oven is switched off, select the Display | QuickTouch | On setting.



Sensor controls above the display

For information on the functions and operating modes, see “Main and sub-menus”, “Settings”, “Automatic programmes” and “Further applications”.

Controls





Sensor controls under the display

Sensor control	Function
	<p>If you want to control the combination steam oven from your mobile device, you must have the Miele@home system, switch on the <i>Remote control</i> setting and touch this sensor control. The sensor control then lights up and the <i>MobileStart</i> function is available.</p> <p>As long as this sensor control is lit, you can control the combination steam oven via your mobile device (see “Settings – Miele@home”).</p>
	<p>Use this sensor control to open and close the control panel (see “Control panel” in the “Functional description” chapter).</p>
	<p>Depending on which menu you are in, this sensor control will take you back a level or back to the main menu.</p> <p>If a cooking programme is in progress at the same time, use this sensor control to change values and settings such as the temperature or booster function for the programme, or to cancel the programme.</p>
	<p>In the navigation area, use the arrow buttons or the area between them to scroll up or down in the selection lists. The menu options will be highlighted one after the other as you scroll through them. The desired menu option must be highlighted before you can select it.</p> <p>You can change the values or settings that are highlighted by using the arrow buttons or the area between them.</p>
<i>OK</i>	<p>Functions highlighted in the display can be selected by touching the <i>OK</i> sensor control. The selected function can then be changed.</p> <p>Confirm with <i>OK</i> to save changes.</p> <p>If information appears in the display, select <i>OK</i> to confirm the message.</p>


Sensor control	Function
	<p>If no cooking programme is in progress, you can use this sensor control to set a minute minder (e.g. when boiling eggs) at any point.</p> <p>If a cooking programme is in progress at the same time, you can set a minute minder, the cooking duration and a start or end time for the programme.</p>
	<p>Select this sensor control to switch the oven interior lighting on and off.</p> <p>Depending on the setting selected, the oven interior lighting switches off after 15 seconds or remains constantly switched on or off.</p>

Symbols

The following symbols may appear in the display:


Symbol	Meaning
	This symbol indicates that there is additional information and advice about using the appliance. Press the <i>OK</i> sensor control to confirm the information.
	Minute minder
	A tick indicates the option which is currently selected.
	Some settings, e.g. display brightness and buzzer volume are selected using a bar chart.

Using the appliance

Use the \wedge and \vee arrow buttons or the  area between them in the navigation area to use the combination steam oven.

As soon as you reach a confirmable value, message or setting, the *OK* sensor control will light up orange.


Selecting a menu option

- Touch the \wedge or \vee arrow buttons or swipe to the right or left in the  area until the desired menu option is highlighted.

Tip: If you press and hold the arrow button, the list continues scrolling automatically until you release the arrow button.

- Confirm your selection with *OK*.

Changing a setting in a list


- Touch the \wedge or \vee arrow buttons or swipe to the right or left in the  area until you reach the desired value or the desired setting is highlighted.

Tip: A \checkmark tick will appear beside the current setting.


- Confirm with *OK*.

The setting is now saved. This will take you back to the previous menu.

Changing the setting with a segment bar


Some settings are represented by a bar  with seven segments. If all of the segments are illuminated, the maximum value is selected.

If none of the segments are illuminated, or only one of them is, the minimum value is selected or the setting is switched off altogether (e.g. volume).

- Touch the \wedge or \vee arrow buttons or swipe to the right or left in the  area until you reach the desired setting.
- Confirm your selection with *OK*.


The setting is now saved. This will take you back to the previous menu.

Selecting a function or operating mode

The sensor controls for the functions and operating modes (e.g. Further ) are located above the display (see “Controls” and “Settings”).

- Touch the sensor control for the desired function.

The sensor control on the fascia panel lights up orange.

- Under Further , scroll through the lists until the desired menu option is highlighted.
- Set the values for the cooking process.
- Confirm with *OK*.

Changing the function


You can change to another function during a cooking programme.

The sensor control for the previously selected function lights up orange.

- Touch the sensor control of the new function or operating mode.

The new function appears in the display with its corresponding recommended values.

The sensor control for the new function lights up orange.

Under Further , scroll through the lists until you reach the desired menu option.

Entering numbers

Numbers that can be changed are highlighted.

- Touch the \wedge or \vee arrow buttons or swipe to the right or left in the **|||||** area until the desired number is highlighted.

Tip: If you press and hold an arrow button, the numbers continue scrolling automatically until you release the arrow button.

- Confirm with *OK*.

The changed number is now saved. This will take you back to the previous menu.

Entering letters

Letters are entered via the navigation area. It is best to select short names.

- Touch the \wedge or \vee arrow buttons or swipe to the right or left in the **|||||** area until the desired character is highlighted.

The character you have selected will appear in the top line of the display.

Tip: A maximum of 10 characters can be used.


You can delete the characters one at a time with \leftarrow .


- Select the rest of the characters.
- Once you have entered the name, select \checkmark .
- Confirm with *OK*.

The name is now saved.


Using the appliance

Activating MobileStart


- Select the  sensor control to activate MobileStart.

The  sensor control lights up. You can operate your combination steam oven remotely with the Miele app.

Directly operating the combination steam oven takes priority over operating it via the remote control function on the app.

You can use MobileStart as long as the  sensor control is lit up.

Control panel

The water container and the condensate container are located behind the control panel. The control panel is opened and closed by pressing the  sensor control. It is fitted with anti-trapping protection. If the control panel senses resistance when opening/closing, the process is cancelled. Despite this, do not touch the upper edge of the door when the control panel is opening and closing.

Water container

The maximum filling volume is 1.4 l and the minimum is 1.0 l. There are markings on the water container. The upper marking must never be exceeded.

Water consumption depends on the type of food and the cooking duration. The water may need to be topped up during cooking. Water consumption is increased if the door is opened during cooking.

Fill the water container to the maximum level before each cooking programme involving steam.



Condensate container

Condensate that collects in the appliance from cooking is pumped into the condensate container. The container has a maximum capacity of 1.4 litres.

Temperature

Some functions have a pre-set recommended temperature. This temperature can be altered for a single programme, a specific programme stage or within the given range for a programme. You can alter the recommended temperature in 5 °C increments, or 1 °C increments in sous-vide cooking (see “Settings – Recommended temperatures”).

Moisture

The Combi mode  function and Reheat  application use a combination of oven heat and moisture. The moisture level can be selected within the given range for an individual programme or a specific programme stage.

Depending on the moisture setting, moisture or fresh air is supplied to the oven compartment. When the moisture setting = 0 %, the maximum fresh air supply is implemented and no moisture is supplied. When the moisture setting = 100 %, there is no fresh air supply and the moisture content is at its maximum.

Some food gives off moisture during the cooking process. This moisture from the food affects the amount of additional moisture needed. If the required amount of moisture is low, the steam generator may not be activated at all.

Description of functions

Cooking duration

Depending on the function, you can set a cooking duration of between 1 minute and 10 or 12 hours.

The cooking durations of the automatic and maintenance programmes are set at the factory and cannot be altered.

When cooking with steam, as well as for programmes and applications with pure steam operation, the cooking duration does not begin until the set temperature is reached. It starts immediately for all other functions, programmes and applications.


Noises

A humming sound can be heard during operation and after switching off the combination steam oven. This noise does not indicate incorrect operation or an appliance fault. The noise is made by water being pumped through the system.

When the combination steam oven is in use, you will hear a fan noise.

Heating-up phase

In all functions, the display shows the temperature in the oven compartment as it rises during the heating-up phase (exceptions: Full grill, Economy grill).

When cooking with steam, the duration of the heating-up phase will depend on the quantity and the temperature of the food. In general, the heating-up phase will last for approx. 7 minutes. The duration will be longer if you are cooking refrigerated or frozen food. The heating-up phase may also last longer if cooking temperatures are low or if you are using the Sous-vide  cooking function.

Cooking phase

The elapsing remaining time is shown in the display during the cooking phase. When cooking with steam, the cooking phase begins once the set temperature is reached. It starts immediately for all other functions, programmes and applications.

Steam reduction

With steam cooking and combination cooking, the steam reduction function will switch on automatically at the end of a cooking programme which uses a temperature within a certain temperature range. The function stops excessive steam escaping when the door is opened. Steam reduction will appear in the display.


Steam reduction can be switched off (see “Steam reduction” in the “Settings” chapter). With steam reduction switched off, a lot of steam will escape when the door is opened.

Oven interior lighting

For energy-saving reasons, the combination steam oven interior lighting has been set at the factory to go out once a programme has begun.

If you want it to stay on all the time the oven is on, you will need to alter the default setting (see “Settings” – “Lighting”).

If the door is left open at the end of a cooking process, the oven interior lighting will switch off automatically after 5 minutes.

The lighting can be switched on for 15 seconds by touching the  sensor control on the control panel.

Before using for the first time

Miele@home

Your combination steam oven is equipped with an integrated WiFi module.

To use this feature, you will need:

- A WiFi network
- The Miele app
- A Miele user account. You can create a user account via the Miele app

The Miele app will guide you as you connect your combination steam oven to your home WiFi network.

Once your combination steam oven is connected to your WiFi network, you can use the app for a number of actions, including the following:

- Call up information on the operating status of your combination steam oven
- Retrieve information on oven cooking processes that are in progress
- Stop cooking processes that are in progress

Connecting your combination steam oven to your WiFi network will increase energy consumption, even when the oven is switched off.

Make sure that the signal of your WiFi network is sufficiently strong in the place where your combination steam oven is installed.

Availability of the WiFi connection

The WiFi connection shares a frequency range with other appliances (including microwave ovens and remote control toys). This can give rise to sporadic or even complete connection failures. Therefore, the availability of featured functions cannot be guaranteed.

Miele@home availability

The ability to use the Miele app depends on the availability of the Miele@home service in your country.

The Miele@home service is not available in every country.

For information about availability, please visit www.miele.com.

Miele App


The Miele App is available to download free of charge from the Apple App Store® or from the Google Play Store™.



Before using for the first time

Basic settings

The following settings must be made before starting up for the first time. You can change these settings again at a later time (see “Settings”).

 Risk of injury caused by hot surfaces.


The combination steam oven gets hot during operation.

For safety reasons, the combination steam oven may only be used when it has been fully installed.

The combination steam oven will switch on automatically when it is connected to the electricity supply.

Setting the language

- Select the desired language.
- Confirm with *OK*.

If you have selected the wrong language by mistake, proceed as described in “Settings –  Language”.

Setting the location

- Select the required location.
- Confirm with *OK*.

Setting up Miele@home

Set up “Miele@home” will appear in the display.

- To set up Miele@home now, select *Continue* and confirm with *OK*.
- To set it up at a later date, select *Skip* and confirm with *OK*. See “Settings – Miele@home” for information on setting up at a later date.
- To set up Miele@home now, select the desired connection method.

You will then be guided by the display and the Miele app.

Setting the date

- Set the year, then the month, and finally the day.
- Confirm with *OK*.

Setting the time

- Set the time of day in hours and minutes.
- Confirm with *OK*.

Setting the water hardness level

Contact your local water supplier to find out the hardness of the water in your area.

More information can be found under “Settings – Water hardness”.

- Select your local water hardness on the appliance.
- Confirm with *OK*.

Completing the commissioning process

- Follow any further instructions in the display.

The oven is now ready for use.


Before using for the first time

Cleaning the combination steam oven for the first time

- Remove any protective foil and stickers, with the exception of the data plate and the small plate on the opened control panel, from the combination steam oven and accessories.



The combination steam oven is subjected to a functional test at the factory, which means that residual water from the pipes may run back into the oven compartment during transportation.

Cleaning the water container and condensate container

 Risk of injury caused by control panel.

You could get caught in the control panel as it opens or closes.

Do not touch the upper edge of the door when the control panel is opening and closing.

- Use the  On/Off sensor control to switch the combination steam oven on.
- Select the  sensor control to open the control panel.
- Remove the water container and condensate container. To do this, push the water container and condensate container upwards slightly.
- Rinse the water container and condensate container by hand or in the dishwasher.

Cleaning accessories/oven compartment

- Take all accessories out of the oven compartment.
- Clean the cooking containers by hand or in the dishwasher.

The universal tray and combi rack surfaces are treated with PerfectClean and must **only** be washed by hand. See “PerfectClean” in “Cleaning and care”.

- Clean the universal tray and the combi rack with a clean absorbent cloth and a solution of hot water and washing-up liquid.

The interior of the combination steam oven has been treated at the factory with a care product.

- To remove this, clean the oven compartment with a clean absorbent cloth and a mild solution of washing-up liquid and hot water.

Before using for the first time


Setting the correct boiling point for water

Before cooking food for the first time, you must adjust the combination steam oven to the boiling temperature of the water, which varies depending on the altitude of where the combination steam oven is located. This process also flushes out the components of the appliance that carry water.

This procedure **must** be carried out to ensure efficient functioning of your appliance.

Distilled or carbonated water or other liquids could damage the combination steam oven.



Only use cold, fresh drinking water (below 20 °C).


- Remove the water container and fill it up to the maximum marker.
- Push the water container into the appliance.
- Then run the combination steam oven for 15 minutes using the Steam cooking  operating mode (100 °C). Proceed as described in “Operation”.

Setting the correct boiling point for water following a house move

If you move house, the boiling point for the water in the combination steam oven will need to be reset for the new altitude if this differs from the old one by 300 m or more. To do this, descale the appliance (“Cleaning and care” – “Care”).

Pre-heating the combination steam oven

- Take all accessories out of the oven compartment if applicable.
- To remove the grease from the ring heating element, heat the combination steam oven up at 200 °C using the Fan  plus  operating mode for 30 minutes. Proceed as described in “Operation”.

 Risk of injury caused by hot surfaces.






The combination steam oven gets hot during operation. You could burn yourself on the heater elements, oven compartment or side runners.

Use oven gloves when adjusting oven shelves etc. in a hot oven compartment.

The heater element will give off a slight smell when it is heated for the first time. The smell and any vapours given off will dissipate after a while and do not indicate a faulty connection or appliance.


Ensure that the kitchen is well ventilated during operation.

Settings overview

Menu option	Available settings
Language 	... deutsch english ... Location
Time	Show On* Off Night dimming Clock format 12 h 24 h* Set
Date	
Lighting	On "On" for 15 seconds* Off
Display	Brightness  QuickTouch On Off*
Volume	Buzzer tones Melodies*  Solo tone  Keypad tone  Welcome melody On* Off
Units	Weight g* lb/oz lb Temperature °C* °F
Keeping warm	On Off*


* Factory default setting



Settings

Menu option	Available settings
Steam reduction	On* Off
Recommended temperatures	
Booster	On* Off
Water hardness	1 °dH ... 15 °dH* ... 70 °dH
Automatic rinse	On* Off
Safety	Sensor lock On Off* System lock  On Off*
Miele@home	Activate Deactivate Connection status Set up again Reset Set up
Remote control	On* Off
RemoteUpdate	On* Off
Software version	
Showroom programme	Demo mode On Off*
Factory default	Appliance settings User programmes Recommended temperatures

* Factory default setting

Opening the “Settings” menu

In the Further  | Settings menu, you can personalise your combination steam oven by adapting the factory default settings to suit your requirements.

- Select Further .
- Select Settings .
- Select the desired setting.




You can check settings or change them.

Settings cannot be changed while a cooking process is in progress.

Language

You can set your language and location.

After selecting and confirming your choice, the language you have selected will appear in the display.

Tip: If you have selected the wrong language by mistake, select the  sensor control. Follow the  symbol to get back to the Language  sub-menu.

Time

Show

Select how you want the time of day to show in the display when the combination steam oven is switched off:

- On
The time is always visible on the display.
If you also select the Display | QuickTouch | On setting, all sensor controls respond to touch straight away.
If you also select the Display | QuickTouch | Off setting, the combination steam oven has to be switched on before it can be used.
- Off
To save energy, the display does not light up. The combination steam oven has to be switched on before it can be used.
- Night dimming
To save energy, the time only shows in the display between 5:00 a.m. and 11:00 p.m. The display remains dark at all other times.

Clock format

The time of day can be displayed in the 24 or 12-hour format (24 h or 12 h).

Settings

Set

Set the hours and the minutes.



If there is a power cut, the current time of day will reappear once power has been restored. The time of day is saved for approx. 150 hours.

If the combination steam oven has been connected to a WiFi network and signed into the Miele app, the time will be synchronised based on the location setting in the Miele app.

Date

Set the date.



Lighting

- On
The oven interior lighting is switched on during the entire cooking period.
- "On" for 15 seconds
The oven interior lighting switches off 15 seconds after a cooking programme has begun. Press the  sensor control to switch the oven interior lighting on again for 15 seconds.
- Off
The oven interior lighting is switched off. Press the  sensor control to switch on the oven interior lighting for 15 seconds.

Display

Brightness

The display brightness is represented by a bar with seven segments.

- 
Maximum brightness
- 
Minimum brightness

QuickTouch

Select how the sensor controls should respond when the combination steam oven is switched off:

- On
If you have also selected the Time | Show | On or Night dimming setting, the sensor controls will also respond when the combination steam oven is switched off.
- Off
Independently of the Time | Show setting, the sensor controls only respond when the combination steam oven is switched on, as well as for a certain amount of time after switching it off.

Volume

Buzzer tones


If buzzers are switched on, a buzzer will sound when the set temperature is reached and at the end of a set time.

Melodies

At the end of a process, a melody will sound several times in intervals.

The volume of the melody is represented by a bar with seven segments.

- 
Maximum volume


- 
Melody is switched off

Solo tone

At the end of a process, a continuous tone will sound for a period of time.

The pitch of this continuous tone is represented by a segment bar.


- 
Maximum pitch

- 
Minimum pitch


Keypad tone

The volume of the tone that sounds each time you touch a sensor control is represented by a bar with seven segments.

- 
Maximum volume

- 
Tone is switched off

Welcome melody

The melody that sounds when you touch the  On/Off sensor control can be switched on or off.

Units

Weight

For automatic programmes, you can set the weight of food in grams (g), pounds/ounces (lb/oz) or pounds (lb).

Temperature

You can set the temperature in degrees Celsius (°C) or degrees Fahrenheit (°F).

Settings

Keeping warm

Using the Keeping warm function, you can keep food warm at the end of a steam cooking programme. Food is kept warm at a pre-set temperature for a maximum of 15 minutes. You can cancel the keeping warm process by opening the door.

Please note that delicate food, especially fish, can continue cooking whilst being kept warm.

- On
The Keeping warm function is switched on. When cooking with a temperature of approx. 80 °C or above, this function is active after approx. 5 minutes. The food is kept warm at a temperature of 70 °C.
- Off
The Keeping warm function is switched off.

Steam reduction

The Steam reduction function stops excessive steam escaping when the door is opened.

- On
The steam reduction function will switch on automatically at the end of a cooking programme which uses a temperature of over approx. 80 °C (steam cooking) or 80–100 °C and 100 % moisture (combination cooking). Steam reduction will appear on the display.
- Off
If steam reduction is switched off, the Keeping warm function is also automatically switched off. With steam reduction switched off, a lot of steam will escape when the door is opened.

Recommended temperatures

If you often cook with different temperatures, it makes sense to change the recommended temperatures.

After selecting this menu option, a list of operating modes will appear in the display.

- Select the relevant operating mode.

The recommended temperatures are displayed along with the available temperature range.

- Change the recommended temperatures.
- Confirm with *OK*.

Booster

The Booster function is used to quickly pre-heat the oven compartment.

- On
The Booster function is automatically switched on during the heating-up phase of a cooking programme. The top heat/grill element, ring heating element and hot air fan pre-heat the oven compartment to the set temperature at the same time.
- Off
The Booster function is switched off during the heating-up phase of a cooking programme. Only the heating elements for the selected oven function are used to pre-heat the oven compartment.

Water hardness

The combination steam oven must be adjusted to the local water hardness level to ensure that it works correctly and to ensure that descaling is carried out at the correct interval. The harder the water is, the more frequently the combination steam oven needs to be descaled. Contact your local water supplier to find out the water hardness in your area.

If you are using an on-site water softener, match the setting on the combination steam oven to the value set on the water softener.

If you are using an on-site system to fully demineralise the water (e.g. a reverse osmosis system), the system must be set so the conductivity of the treated water is at least 100 $\mu\text{S}/\text{cm}$. In the case of most water qualities, this can be achieved by setting a water hardness of at least 3 $^{\circ}\text{dH}$ rather than fully demineralising the water. The conductivity is required for the fill level detection in the steam generator. Match the setting on the combination steam oven to the value set on the full demineralisation system.

If you are using bottled water, it must comply with the relevant national regulations for drinking water quality. Do not use mineral water or carbonated water. Adjust the setting on the combination steam oven depending on the calcium content. The calcium content is specified on the label of the bottle in $\text{mg}/\text{l Ca}^{2+}$ or ppm ($\text{mg}/\text{l CaCO}_3$).

Water hardness			Calcium content $\text{mg}/\text{l Ca}^{2+}$	Calcium carbonate content ppm ($\text{mg}/\text{l CaCO}_3$)	Setting on combination steam oven
$^{\circ}\text{dH}$	$^{\circ}\text{fH}$	mmol/l			
1	1.8	0.18	7	18	1
2	3.6	0.36	14	36	2
3	5.4	0.54	21	54	3
4	7.1	0.72	29	71	4
5	8.9	0.90	36	89	5
6	10.7	1.07	43	107	6
7	12.5	1.25	50	125	7
8	14.3	1.43	57	143	8
9	16.0	1.61	64	161	9
10	17.9	1.79	71	179	10
11	19.6	1.97	79	196	11
12	21.4	2.15	86	214	12
13	23.2	2.33	93	232	13
14	25.0	2.51	100	250	14

Settings

Water hardness			Calcium content mg/l Ca ²⁺	Calcium carbonate content ppm (mg/l CaCO ₃)	Setting on combination steam oven
°dH	°fH	mmol/l			
15	26.8	2.69	107	268	15
16	28.6	2.86	114	286	16
17	30.4	3.04	121	304	17
18	32.1	3.22	129	321	18
19	33.9	3.40	136	339	19
20	35.7	3.58	143	357	20
21	37.5	3.76	150	375	21
22	39.3	3.94	157	393	22
23	41.1	4.12	164	411	23
24	42.9	4.30	171	429	24
25	44.6	4.47	179	446	25
26	46.4	4.65	186	464	26
27	48.2	4.83	193	482	27
28	50.0	5.01	200	500	28
29	51.8	5.19	207	518	29
30	53.6	5.37	214	536	30
31	55.4	5.55	221	554	31
32	57.1	5.73	228	571	32
33	58.9	5.91	236	589	33
34	60.7	6.09	243	607	34
35	62.5	6.27	250	625	35
36	64.3	6.44	257	643	36
37–45	66–80	6.62–8.06	264–321	661–804	37–45
46–60	82–107	8.23–10.74	328–428	821–1071	46–60
61–70	109–125	10.92–12.53	436–500	1089–1250	61–70

Automatic rinsing


Following a cooking process with steam, **Appliance rinsing** will appear on the display after the combination steam oven has been switched off.

This process flushes any remaining food deposits out of the system.

You can activate or deactivate the automatic rinsing process.

Safety

Sensor lock

The sensor lock prevents the cooking programme being switched off by mistake or settings being changed. Apart from the  On/Off sensor control, the activated sensor lock prevents the sensor controls and fields in the display from working a few seconds after a programme has been started.

- On
The sensor lock is activated. Touch the *OK* sensor control for at least 6 seconds to deactivate the sensor lock for a short period of time.
- Off
The sensor lock is deactivated. All sensor controls react to touch as normal.

System lock

The system lock prevents the combination steam oven from being switched on by mistake.

The minute minder and the MobileStart function can still be used when the system lock is active.

The system lock will remain activated even after a mains outage.

- On
The system lock has been activated. Before you can use the combination steam oven, touch the *OK* sensor control for at least 6 seconds.
- Off
The system lock is deactivated. You can use the combination steam oven as normal.

Settings

Miele@home

The combination steam oven is a Miele@home-compatible appliance. Your combination steam oven is fitted ex-works with a WiFi communication module and is suitable for wireless communication.

There are a number of ways of connecting your combination steam oven to your WiFi network. We recommend connecting your combination steam oven to your WiFi network with the help of the Miele app or via WPS.


- Activate
This setting is only visible if Miele@home is deactivated. The WiFi function is reactivated.
- Deactivate
This setting is only visible if Miele@home is activated. Miele@home remains set up, the WiFi function is switched off.
- Connection status
This setting is only visible if Miele@home is activated. The display shows information such as the WiFi reception quality, network name and IP address.
- Set up again
This setting is only visible if a WiFi network has already been set up. Reset the network settings and immediately set up a new network connection.

- Reset
This setting is only visible if a WiFi network has already been set up. The WiFi function is deactivated and the WiFi network connection will be reset to the factory default. You must set up a new WiFi network connection to be able to use Miele@home. The network settings should be reset whenever a combination steam oven is being disposed of or sold, or if a used combination steam oven is being put into operation. This is the only way to ensure that all personal data has been removed and the previous owner will no longer be able to access the combination steam oven.
- Set up
This setting is only visible if no WiFi network connection has been set up yet. You must set up a new WiFi network connection to be able to use Miele@home.

Remote control


If you have installed the Miele app on your mobile device, have access to the Miele@home system and have activated the remote control function (On), you can use the MobileStart function and, for example, retrieve information about oven cooking processes that are in progress or to end a process that is in progress.

Activating MobileStart

- Select the  sensor control to activate MobileStart.

The  sensor control lights up. You can operate your combination steam oven remotely with the Miele app.

Directly operating the combination steam oven takes priority over operating it via the remote control function on the app.

You can use MobileStart as long as the  sensor control is lit up.

RemoteUpdate

The RemoteUpdate menu option is only displayed and can only be selected if the requirements for using Miele@home have been met (see “Before using for the first time – Miele@home”).

The RemoteUpdate function is used for updating the software in your combination steam oven. If an update is available for your combination steam oven, it will automatically download it. Updates will not be installed automatically. They must be initiated manually.

If you do not install an update, you can continue to use your combination steam oven as usual. However, Miele recommends installing updates.

Activating/deactivating

The RemoteUpdate function is activated as standard. Available updates will be downloaded automatically but will only be installed if you initiate installation manually.

Deactivate RemoteUpdate if you do not want any updates to be downloaded automatically.

Settings

Running a RemoteUpdate

Information about the content and scope of an update is provided in the Miele app.

A message will appear in your combination steam oven display if a software update is available.

You can install the update immediately or postpone this until later. When the combination steam oven is switched on again, you will be reminded about the update.

Deactivate RemoteUpdate if you do not want to install the update.

The update may take several minutes.

Please note the following information about the RemoteUpdate function:

- You will only receive a message when an update is available.
- Once an update has been installed, it cannot be undone.
- Do not switch the combination steam oven off during the update. Otherwise, the update will be aborted and will not be installed.
- Some software updates can only be carried out by your Miele dealer.

Software version

The software version is intended for your Miele dealer. You do not need this information for domestic use.

Showroom programme

This function enables the combination steam oven to be demonstrated in showrooms without heating up. This setting is not needed for domestic use.

Demo mode


If you have demo mode activated, Demo mode is activated. The appliance will not heat up will appear when you switch the combination steam oven on.

- On
Touch the *OK* sensor control for at least 4 seconds to activate demo mode.
- Off
Touch the *OK* sensor control for at least 4 seconds to deactivate demo mode. You can use the combination steam oven as normal.

Factory default

- Appliance settings
Any settings that have been altered will be reset to the factory default settings.
- User programmes
All User programmes will be deleted.
- Recommended temperatures
Any recommended temperatures that have been changed will be reset to the factory default settings.

Using the Minute minder function

The  minute minder can be used to time other activities in the kitchen, e.g. boiling eggs.


The minute minder can also be used at the same time as a cooking programme for which the cooking duration start and finish times have been set (e.g. as a reminder to stir the food or add seasoning, etc.).

- The maximum minute minder time that can be set is 59 minutes and 59 seconds.

Setting the minute minder

If you have selected the Display | QuickTouch | Off setting, you will need to switch the combination steam oven on before setting the minute minder. The minute minder can then be seen counting down in the display when the combination steam oven is switched off.


Example: you want to boil some eggs and set a minute minder duration of 6 minutes and 20 seconds.


- Select the  sensor control.
- Select Minute minder if a cooking process is in progress at the same time.

The prompt Set 00:00 min appears.


- Using the navigation area, set 06:20.
- Confirm with *OK*.


The minute minder duration is now saved.

When the combination steam oven is switched off, the minute minder time counts down in the display and  appears instead of the time of day.

If you are cooking at the same time,  and the minute minder duration will appear at the bottom of the display.


If you are in a menu, the minute minder counts down in the background.

At the end of the minute minder duration,  will flash, the time will start counting up and a buzzer will sound.

- Select the  sensor control.
- If required, confirm with *OK*.

The buzzer will stop and the symbols in the display will go out.

Changing the minute minder duration

- Select the  sensor control.
- Select Minute minder if a cooking programme is in progress at the same time.
- Select Change.
- Confirm with *OK*.

The minute minder duration selected appears.

- Change the duration set for the minute minder.
- Confirm with *OK*.

The altered minute minder duration is now saved.











Minute minder

Deleting the minute minder duration



- Select the ⌚ sensor control.
- Select Minute minder if a cooking programme is in progress at the same time.
- Select Delete.
- Confirm with *OK*.

The minute minder duration is now deleted.


Main and sub-menus

Menu	Recommended value	Range
Oven functions		
Steam cooking 	100 °C	40–100 °C
Fan plus 	160 °C	30–230 °C
Combi mode 		
Combi Fan plus	170 °C	30–230 °C
Combi Conventional	180 °C	30–230 °C
Combi Grill	Level 3	Level 1–3
Sous-vide 	65 °C	45–90 °C
User programmes 		
Reheat 	130 °C	120–140 °C
Defrost 	60 °C	50–60 °C
Descalc 		
Automatic programmes 		
Further 		
Conventional heat	180 °C	30–230 °C
Intensive bake	180 °C	50–230 °C
Bottom heat	190 °C	100–200 °C
Top heat	190 °C	100–230 °C
Full grill	Level 3	Level 1–3
Economy grill	Level 3	Level 1–3

Main and sub-menus

Menu	Recommended value	Range
Further 		
Fan grill	200 °C	50–230 °C
Cake plus	160 °C	30–230 °C
Eco Fan heat	180 °C	30–230 °C
Eco Steam cooking	100 °C	40–100 °C
Special applications		
Mix & Match		
Blanching	–	–
Bottling	90 °C	80–100 °C
Drying	50 °C	30–70 °C
Prove dough	–	–
Disinfect items	–	–
Heat crockery	50 °C	50–80 °C
Keeping warm	65 °C	40–100 °C
Maintenance		
Soak		
Drying		
Rinse		
Settings 		


Cooking programmes

- If possible, use the automatic programmes for cooking food.
- Remove all accessories from the oven compartment that are not required for cooking.
- In general, if a range of temperatures is given in a recipe or chart, it is best to select the lower temperature and to check the food after the shortest duration.
- Preheat the oven only if instructed to do so in the recipe or the cooking chart.
- If possible, do not open the door during a cooking programme.
- Dark, matt tins are best for baking. They absorb the heat more effectively and transmit it to the mixture more quickly. Shiny materials such as stainless steel or aluminium reflect the heat and therefore can give a more uneven result. Do not cover the oven floor or the rack with heat-reflecting aluminium foil.
- Monitor cooking durations to avoid wasting energy when cooking. Set the cooking duration, or use a food probe if you have one.
- The Fan plus  operating mode can be used for cooking many types of food. Because the fan distributes the heat in the oven compartment straight away, it allows you to use a lower temperature than you would with Conventional heat. It also enables you to cook on multiple shelf levels at the same time.
- Fan grill is the best operating mode for grilled dishes. With this operating mode, you can use lower

temperatures than in other grill operating modes which use the maximum temperature setting.

- The Eco Fan heat operating mode ensures energy-efficient cooking thanks to optimal utilisation of heat. Use this operating mode for cooking small amounts of food, e.g. frozen pizzas or biscuits. Do not open the door during the cooking process.
- You can use the Eco Steam cooking operating mode to save energy during steam cooking. This operating mode is particularly suitable for cooking fish and vegetables.
- Whenever possible you should cook multiple foods at the same time. Place them next to each other in the oven or on different shelf levels.
- Foods which you are unable to cook at the same time should, if possible, be cooked one after the other in order to make use of existing heat in the oven.

Customising settings

- Select Display | QuickTouch | Off for the control elements to reduce energy consumption.
- For the oven interior lighting, select Lighting | Off or "On" for 15 seconds. The oven interior lighting can be switched on again at any time by touching the  sensor control.

Energy-saving mode

The combination steam oven will switch itself off automatically to save energy if a cooking process is not being run and controls have not been operated. The time of day will appear in the display or the display will remain dark (see "Settings").

Operation

Malfunction due to missing floor filter.

If the floor filter is missing, food deposits can get into the drain. The water cannot be pumped away.

Before each cooking programme, check that the filter in the floor of the oven compartment is correctly fitted.

- Switch the combination steam oven on.

The main menu will appear.

- If you want to cook using a steam operating mode or bursts of steam, fill the water container and insert it into the appliance.

Distilled or carbonated water or other liquids could damage the combination steam oven.

Only use cold, fresh drinking water (below 20 °C).

- Place the food in the oven compartment.
- Select the relevant operating mode.

The operating mode will appear in the display. Depending on which operating mode you have selected, the recommended values for temperature and moisture (if applicable) will appear one after the other.

- Change the recommended temperature if necessary.
- Confirm with *OK*.


The recommended temperature will be accepted within a few seconds. You can change the temperature subsequently via the arrow button.

- Change the moisture setting if necessary.
- Confirm with *OK*.

The required and the actual temperature will appear and the heating-up phase will begin.

You will see the temperature increasing. A buzzer will sound when the set temperature is reached for the first time.

- After cooking, select the sensor control for the selected operating mode to end the cooking process.

 Risk of injury caused by hot steam.

When using a cooking process involving steam, a lot of hot steam can escape if the door is opened. The steam can cause burns.

Step back and wait until the hot steam has dissipated.

- Take the food out of the oven compartment.

Cleaning the combination steam oven after a cooking process

- Remove the water container and condensate container and empty them as required.
- Switch the combination steam oven off.

Appliance rinsing appears after a cooking process involving steam.

- Follow the instructions on the display.

The rinsing process should be carried out every time to flush any remaining food deposits out of the system.

- Clean and dry the whole combination steam oven as described in “Cleaning and care”.
- Leave the appliance door open until the oven compartment is completely dry.

Refilling the water

If water needs replenishing during the programme, a tone will sound and the display will prompt you to refill the container with fresh water.

- Take out the water container and replenish the water.
- Push the water container into the appliance.

The cooking programme is resumed.

Changing values and settings for a cooking programme

Depending on the function, as soon as a cooking programme is in progress, you can use the ↵ sensor control to change the values or settings for this programme.

- Select the ↵ sensor control.

Depending on the function, the following settings appear:

- Temperature
- Moisture
- Duration
- Booster
- Pre-heat
- Crisp function



Changing values and settings


- Select the desired value or setting and confirm with *OK*.
- Change the value or setting and confirm with *OK*.

The cooking programme will restart with the new values and settings.

Operation


Changing the temperature

You can permanently reset the recommended temperature to suit your cooking preferences by selecting Further  | Settings  | Recommended temperatures.

- Select the  sensor control.
- Select Temperature and confirm with *OK*.
- Change the desired temperature via the navigation area.
- Confirm with *OK*.

The cooking programme will restart with the new desired temperature.

Changing Moisture


- Select the  sensor control.
- Select Moisture and confirm with *OK*.
- Change the moisture level.
- Confirm with *OK*.

The programme will continue to run at the new moisture level.

Setting cooking durations

Cooking results can be impaired if there is a long delay between the food being placed in the oven and the start of cooking. Fresh food can change colour and even deteriorate. When baking, the cake mixture or dough can dry out, and the raising agents can lose their effectiveness. Select as short as possible a time until the cooking programme starts.

You have placed the food in the oven compartment, selected an operating mode and the required settings such as the temperature.

By entering Duration, Finish at or Start at via the  sensor control, you can automatically switch the cooking process off or on and off.

- Duration
Enter the required cooking duration for the food. The heating will switch off automatically once this duration has elapsed. The maximum cooking duration that can be set depends on the operating mode that you have selected.
- Finish at
Specify when you want the cooking process to end. The oven heating will switch off automatically at the time you have set.
- Start at
This function will only appear in the menu if you have set a Duration or Finish at time. With Start at, you have to specify when you want the cooking process to start. The oven heating will switch on automatically at the time you have set.

- Select the ⊕ sensor control.
- Set the desired times.
- Confirm with *OK*.
- Touch the ↵ sensor control to return to the menu for the selected operating mode.

When cooking with steam, the cooking duration does not begin until the set required temperature is reached.

The steam reduction function will switch on at the end of a cooking programme which used a temperature of over approx. 80 °C (steam cooking) or 80–100 °C and 100 % moisture (combination cooking).

- Wait until Steam reduction goes out in the display before opening the door and removing the food from the oven compartment.

Changing the set cooking durations

- Select the ⊕ sensor.
- Select the desired time.
- Confirm with *OK*.
- Select *Change*, if required.
- Change the set time.
- Confirm with *OK*.
- Touch the ↵ sensor to return to the menu of the selected function.

These settings will be deleted in the event of a power failure.

Tip: You can also adjust the cooking duration directly via the navigation area.

Deleting the set cooking durations

In functions and applications where it is always necessary to set a cooking duration, you can only delete the set times for *Finish at* and *Start at*.

- Select the ⊕ sensor control.
- Select the desired time.
- Confirm with *OK*.
- Select *Delete*.
- Confirm with *OK*.
- Touch the ↵ sensor control to return to the menu of the selected function.

If you delete *Duration*, the set times for *Finish at* and *Start at* are also deleted.

If you delete *Finish at* or *Start at*, the cooking programme will start using the cooking duration set.

Tip: You can also delete the cooking duration directly via the navigation area.

Operation

Cancelling a cooking programme

You can cancel a cooking programme using the function sensor control that lights up orange or using the ↵ sensor control.

The oven compartment heating and lighting will then switch off. Any cooking durations set will be deleted.

Touch the function sensor control to return to the main menu.

Cancelling a cooking programme without a set cooking duration

- Touch the sensor control for the selected function.

The main menu will appear.

- **Or:** select the ↵ sensor control.
- Select *Cancel process*.
- Confirm with *OK*.

Cancelling a cooking programme with a set cooking duration

- Touch the sensor control for the selected function.


Cancel process? appears in the display.

- Select *Yes*.
- Confirm with *OK*.
- **Or:** select the ↵ sensor control.
- Select *Cancel process*.
- Confirm with *OK*.
- Select *Yes*.
- Confirm with *OK*.

Interrupting a cooking process


A cooking process is interrupted as soon as the door is opened. The oven heating switches off.

The set cooking duration is saved when cooking with steam as well as for programmes and applications with pure steam operation.

 Risk of injury caused by hot steam.

When using a cooking process involving steam, a lot of hot steam can escape if the door is opened. The steam can cause burns.

Step back and wait until the hot steam has dissipated.

 Risk of injury caused by hot surfaces and food.

The combination steam oven gets hot during operation. You could burn yourself on the heater elements, oven compartment, side runners, accessories or food.

Use oven gloves when placing hot food in the appliance or removing it and when adjusting oven shelves etc. in a hot oven compartment.

When placing cooking containers into the oven or removing them, make sure that the hot food does not spill out.

The cooking process will resume when the door is closed.

The combination steam oven will heat up again and the display will show the temperature in the oven compartment as it rises.

When cooking with steam as well as for programmes and applications with pure steam operation, the time left only continues to elapse once the set temperature has been reached.

In programmes using 100 % moisture and temperatures up to 100 °C: the cooking process will finish early if the door is opened in the last minute of cooking (55 seconds remaining).

Pre-heating the oven compartment

The **Booster** function is used to quickly pre-heat the oven compartment in some functions.



The **Pre-heat** function can be used with any oven function (except **Eco Fan heat**) and has to be switched on separately for each cooking programme.


If you have set a cooking duration, it will only start to count down after the heating-up phase.

It is only necessary to pre-heat the oven in a few instances.

- Pre-heat the oven compartment when cooking the following food:
 - Cakes and pastries with a short cooking duration (approx. 30 minutes or less) as well as delicate items (e.g. sponge) with the **Conventional heat** function

Booster

The **Booster** function is switched on as the factory default setting for the following functions (Further  | Settings  | **Booster** | On):

- Fan plus 
- **Conventional heat**

If you set a temperature above 100 °C and the **Booster** function is switched on, a rapid heating-up phase heats the oven to the set temperature. The top heat/grill element and the ring heater element come on together with the fan.

Operation

Delicate items (e.g. sponge or biscuits) will brown too quickly on the top if the **Booster** function is used. Switch off the **Booster** function for these items.

Switching the Booster on and off for a cooking programme

If you have selected the **Booster | On** setting, you can switch off the function separately for a cooking programme.

On the other hand, you can also switch on the function separately for a cooking programme if you have selected the **Booster | Off** setting.

Example: you have selected a function and the required settings such as the temperature.

You want to switch off the **Booster** function for this cooking programme.

- Select the ↵ sensor control.
- Select **Booster | Off**.
- Confirm with **OK**.

The **Booster** function is switched off during the heating-up phase. Only the heating elements associated with the function are pre-heating the oven compartment.

Pre-heat

You can place most dishes in the cold oven compartment to make use of the heat produced during the heating-up phase.

If you have set a cooking duration, it will only start to count down when the desired temperature is reached and you have placed the food in the oven.

Start the cooking programme immediately without delaying the start time.

Switching on Pre-heat

The **Pre-heat** function has to be switched on separately for each cooking programme.

Example: You have selected a function and the required settings such as the temperature.

You want to switch on the **Pre-heat** function for this cooking programme.

- Select the ↵ sensor control.
- Select **Pre-heat | On**.
- Confirm with **OK**.

The following message is displayed with a time: Place food in the oven at . The oven compartment is heated to the set temperature.

- As soon as you are prompted to do so, place the food in the oven compartment.
- Confirm with **OK**.


Crisp function

The Crisp function function (moisture reduction) allows moisture to be removed from the oven as required during the entire cooking process or at times during the process.

It is a good idea to use this function when cooking items which have a moist topping, e.g. quiche, pizza, tray bakes with fresh fruit toppings or muffins.

Poultry in particular gets a good crisp skin with this function.

The Crisp function function can be used in the following functions:


- Fan plus 
- Conventional heat
- Intensive bake
- Bottom heat
- Top heat
- Fan grill
- Cake plus

Switching on Crisp function


The Crisp function function has to be switched on separately for each cooking programme.

You have selected a function and the required settings such as the temperature.

You want to switch on the Crisp function function for this cooking programme.

- Select the  sensor control.
- Select Crisp function | On.
- Confirm with *OK*.

The Crisp function function is switched on.

The Crisp function function can be switched off again at any time via the  sensor control.


Releasing bursts of steam

You can release bursts of steam during the cooking process in all oven functions (except Eco Fan heat). The number of bursts of steam is unlimited.

You can release a burst of steam as soon as Burst of steam is highlighted on the display.

Please wait until the heating-up phase is completed to allow the steam to be distributed evenly in the warm air in the oven.

- Select *OK*.

The burst of steam will be released.  appears on the display and the Burst of steam goes out. This will take approximately 1 minute.

- Proceed as described to release further bursts of steam once Burst of steam appears on the display again.

General notes

This section contains general information. You will find more detailed information about particular foods and how to cook them in the other sections.

The advantages of cooking with steam

Almost all vitamins and minerals are retained as the food is not immersed in water.

Cooking with steam also retains the true taste of the food better than conventional cooking. We therefore recommend seasoning the food after it has been cooked. Food also retains its fresh, original colour.

Suitable containers

Cooking containers

Stainless steel cookware is provided with the combination steam oven. Other containers, in a variety of sizes, both perforated and solid, are available as optional extras (see “Optional accessories”). This enables you to choose the most suitable container for the dish you are preparing.

Use perforated cooking containers for **steam cooking** if possible. The steam can reach the food from all sides and the food is cooked evenly.

Your own containers

You can also use your own containers. However, please note the following:

- Containers must be suitable for use in an oven and able to withstand steam. With plastic containers, please check with the manufacturer that they are suitable for use in a steam oven.
- Thick-sided containers such as porcelain, ceramic or stoneware are not very suitable for using with steam. Due to their thick sides, they do not conduct heat well, meaning cooking durations will be considerably longer than those given in the charts.
- Place the containers on the rack or on a suitable tray. Depending on the size of the container, you can also place the rack on the floor of the oven compartment with the rack surface facing up and the cooking container on top. You can also take the side runners out to make more room (see “Cleaning the side runners” in the “Cleaning and care” chapter).
- Ensure that there is a gap between the upper rim of the container and the top of the oven compartment to allow sufficient steam into the container.

Shelf level

You can select any shelf level. You can also cook on several levels at the same time. This will not alter the cooking duration.

When using more than one deep container at the same time for steam cooking it is best to offset them on their runners and to leave at least one level free in between them.

Always insert cooking containers, the rack and the tray between the rails of the side runners so that they cannot tip.

Frozen food

The heating up phase for frozen food is longer than for fresh food. The greater the quantity of frozen food, the longer the heating up phase.

Temperature

During steam cooking, the temperature does not exceed 100 °C. Almost all foods can be cooked at this temperature. Some types of food, such as berries, need to be cooked at lower temperatures to prevent them from bursting. See the relevant sections in these operating instructions for more details.

Cooking duration

During steam cooking, the cooking duration does not begin until the set temperature is reached.

In general, the cooking durations for cooking with steam are the same as for cooking food in a saucepan. More information about any factors which may affect the cooking duration is given in the relevant sections.

The quantity of food does not affect the cooking duration. 1 kg of potatoes will take the same time to cook as 500 g.

Cooking with liquid

When cooking with liquid only fill the cooking container $\frac{2}{3}$ full to prevent the liquid spilling when the cooking container is removed from the oven.

Your own recipes – steam cooking

Food which is cooked in a pot or a pan can also be cooked in the combination steam oven. The cooking durations in the combination steam oven will be the same. Please note that food will not be brown or crisp when cooking with steam.

General notes

Universal tray and combi rack

Use the universal tray with the combi rack placed on top of it, e.g. for roasting and grilling. During roasting, you can use the meat juices collected in the tray to make a gravy or sauce.

If you are using the universal tray with the combi rack on top, insert the universal tray between the rails of a shelf level and the combi rack will automatically slide in above them.

When removing them from the oven, pull both out together.


Non-tip safety notches

The combi rack and universal tray have non-tip safety notches which prevent them being pulled right out when they only need to be partially pulled out. The tray and rack can then only be taken out of the oven by raising them upwards and then pulling them out.

Eco Steam cooking

You can use the Eco Steam cooking function to save energy during steam cooking. This function is suitable mainly for cooking fish and vegetables.

We recommend following the cooking durations and temperatures from the tables specified in “Steam cooking”. You can cook for longer if necessary.

When cooking starchy foods such as potatoes, rice and pasta, the best function to use is Steam cooking .

Settings

Further  | Eco Steam cooking

Notes on the cooking tables

Follow the instructions on cooking durations, temperatures and cooking notes.

Selecting the cooking duration

The cooking durations given are guidelines only.

- We recommend selecting the shorter duration initially. You can cook for longer if necessary.

Steam cooking

Vegetables

Fresh

Prepare fresh vegetables in the usual way, i.e. wash, clean and cut them up.

Frozen food

Frozen vegetables do not need to be defrosted beforehand, unless they have been frozen together in a block.

Frozen and fresh vegetables which take the same length of time to cook can be cooked together.

If vegetables have frozen together in clumps, break these up before cooking with steam. Follow the manufacturer's instructions on the packaging regarding cooking duration.

Cooking containers

Food such as peas or asparagus spears, which have little or no space between them, will take longer to cook because the steam has less space to work in. For an even result, it is best to use a shallow container for these types of food, and only fill it about 3-5 cm deep. When cooking large quantities divide the food between 2 or 3 shallow containers rather than using one deep one.

Different types of vegetables which take the same length of time to cook can be cooked together.

Use solid containers for vegetables which are cooked in liquid.

Shelf level

To avoid any colour transfer when cooking vegetables with a distinctive colour (e.g. beetroot) in a perforated container, do not place other food underneath the perforated container.

Cooking duration


The cooking duration depends on the size of the food and how well cooked you want it, just as it does with conventional cooking methods.

Example:

Waxy potatoes, cut into quarters:
approx. 17 minutes

Waxy potatoes, cut in half:
approx. 20 minutes

Settings

Automatic programmes  | Vegetables
| ... |

or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

Steam cooking

Vegetables	🕒 [min]
Artichokes	32–38
Cauliflower, whole	27–28
Cauliflower, florets	8
Beans, green	10–12
Broccoli, florets	3–4
Chantenay carrots, whole	7–8
Chantenay carrots, halved	6–7
Chantenay carrots, chopped	4
Chicory, halved	4–5
Chinese cabbage, chopped	3
Peas	3
Fennel, halved	10–12
Fennel, sliced	4–5
Kale, chopped	23–26
Waxy potatoes, peeled whole halved quartered	27–29 21–22 16–18
Mainly waxy potatoes, peeled whole halved quartered	25–27 19–21 17–18
Floury potatoes, peeled whole halved quartered	26–28 19–20 15–16
Kohlrabi, cut into batons	6–7
Pumpkin, diced	2–4
Corn on the cob	30–35
Chard, chopped	2–3
Peppers, diced or sliced	2

Steam cooking

Vegetables	🕒 [min]
New potatoes, firm	30–32
Mushrooms	2
Leeks, sliced	4–5
Leeks, halved lengthways	6
Romanesco, whole	22–25
Romanesco, florets	5–7
Brussels sprouts	10–12
Beetroot, whole	53–57
Red cabbage, chopped	23–26
Black salsify, whole	9–10
Celeriac, cut into batons	6–7
Asparagus, green	7
Asparagus, white, whole	9–10
Carrots, chopped	6
Spinach	1–2
Spring cabbage, chopped	10–11
Celery, chopped	4–5
Swede, chopped	6–7
White cabbage, chopped	12
Savoy cabbage, chopped	10–11
Courgettes, sliced	2–3
Sugar snap peas	5–7

🕒 Cooking duration

Fish

Fresh

Prepare fresh fish in the usual way, i.e. clean, gut and fillet.

Frozen food

Fish does not need to be fully defrosted before cooking. Defrost so that the surface is sufficiently thawed to take herbs and seasoning. Depending on the thickness of the fish, 2 - 5 minutes should be enough.

Preparation

Add some lemon or lime juice to fish before cooking. The citric acid helps the flesh stay firm.

It is not necessary to season fish with salt when cooking with steam as this method retains the minerals which give the fish its unique flavour.

Cooking containers

If using a perforated container, grease it first.

Shelf level

When cooking fish in a perforated container at the same time as cooking other types of food in other containers, place the container with the fish directly above the universal tray to catch any liquid and so avoid any transfer of tastes to other food.

Temperature

85 °C – 90 °C

For gently cooking delicate types of fish, such as sole.

100 °C

For cooking firmer types of fish, e.g. cod and salmon.

Also for cooking fish in sauce or stock.

Duration

The cooking duration depends on the thickness and the texture of the fish, and not on the weight. The thicker the fish, the longer the cooking duration.

A 3 cm thick piece of fish weighing 500 g will take longer to cook than a 2 cm thick piece of fish weighing 500 g.

The longer fish cooks, the firmer its flesh will become. Use the cooking durations given in the chart. If you find that the fish is not cooked sufficiently only cook it for a few minutes more.


When cooking fish in sauce or stock, we recommend that you increase the cooking duration quoted by a few minutes.

Steam cooking

Tips

- Adding herbs and spices, such as dill, will help bring out the full flavour of the fish.
- Cook large fish in swimming position. To help maintain the shape of the fish, place a small cup or similar upside down in the cooking container, and arrange the fish belly-side down over the cup.
- You can use any fish scraps, e.g. fish heads, bones, tails etc to make a **fish stock**. Place the fish scraps together with some mixed vegetables in a solid cooking container and add cold water. Cook at 100 °C for 60 to 90 minutes. The longer the cooking duration, the stronger the stock.
- Preparing fish **au bleu** is a method involving cooking the fish in water with vinegar, at different proportions depending on the recipe. It is important not to damage the skin of the fish. This method is suitable for cooking carp, trout, tench, eel and salmon.

Settings

Automatic programmes  | Fish | ... |

or

Steam cooking 

Temperature: see table

Cooking duration: see table

Steam cooking

Fish	🌡️ [°C]	🕒 [min]
Eel	100	5–7
Perch fillet	100	8–10
Seabream fillet	85	3
Trout, 250 g	90	10–13
Halibut fillet	85	4–6
Cod fillet	100	6
Carp, 1.5 kg	100	18–25
Salmon fillet	100	6–8
Salmon steak	100	8–10
Salmon trout	90	14–17
Basa fillet	85	3
Rosefish fillet	100	6–8
Haddock fillet	100	4–6
Plaice fillet	85	4–5
Monkfish fillet	85	8–10
Sole fillet	85	3
Turbot fillet	85	5–8
Tuna fillet	85	5–10
Pike perch fillet	85	4

🌡️ Temperature 🕒 Duration

Steam cooking

Meat

Fresh

Prepare the meat in the usual way.

Frozen food

Meat should be thoroughly defrosted before cooking (see “Further applications” – “Defrost”).

Preparation

For meat which needs to be seared before being cooked, e.g. for a stew, sear the meat in a pan on the hob first.

Duration

The cooking duration depends on the thickness and the texture of the meat, and not on the weight. The thicker the piece of meat, the longer the cooking duration. A piece of meat weighing 500 g which is 10 cm thick will take longer to cook than a piece of meat weighing 500 g which is 5 cm thick.

Tips

- To retain the **flavourings**, use a perforated cooking container. Place an unperforated cooking container underneath in order to collect the concentrate. You can use the concentrate to enhance your sauces or freeze it for later use.
- Boiling fowl, back or top rib and meat bones can be used to make **stock**. Place the meat together with the bones and some mixed vegetables in a cooking container and add cold water. The longer the cooking duration, the stronger the stock.

Settings

Automatic programmes  | Meat | ... |

or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

Steam cooking

Meat	🕒 [min]
Leg steak, covered with water	110–120
Chicken breast	8–10
Top rib, covered with water	110–120
Veal strips	3–4
Lamb stew	12–16
Poularde	60–70
Turkey roulades	12–15
Turkey escalopes	4–6
Short rib, covered with water	130–140
Beef goulash	105–115
Whole chicken, covered with water	80–90
Topside	110–120

🕒 Cooking duration

Steam cooking

Rice

Rice swells when cooked and needs to be cooked in liquid. The proportion of rice to liquid will vary depending on the type of rice.

The rice absorbs all the liquid during the cooking process and so none of the nutrients are lost.

Cooking container

Use a solid cooking container. Alternatively, smaller quantities of rice (up to a cup, approx. 50–150 g) can also be cooked in a suitable stainless steel bowl on the rack.

Preparation


Wash the rice before cooking. If you wash the rice in the cooking container, drain the water off carefully afterwards.

Tip: The required volume of liquid can be determined using scales or the cup method.


For the cup method, fill a cup with the desired quantity of rice and then place the rice in the cooking container. Then measure the required volume of liquid (see chart) with the cup and add it to the rice.

Make sure that the rice is evenly distributed in the cooking container.

Settings



Automatic programmes  | Rice | ... |




or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

		 [min]
Long-grain rice		
Basmati rice	1 : 1.5	15
Parboiled rice	1 : 1.5	23–25
Brown rice	1 : 1.5	26–29
Wild rice	1 : 1.5	26–29
Short-grain rice		
Pudding rice	1 : 2.5	30
Risotto	1 : 2.5	18–19


 :  Ratio of rice to liquid,  Cooking duration

Grain

Grains swell when cooked and need to be cooked in liquid. The proportion of grains to liquid depends on the type of grain.

Grains can be cooked whole or cracked.

Settings


Automatic programmes  | Grain | ... |

or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

	Ratio Grain : Liquid	 [min]
Amaranth	1 : 1.5	15–17
Bulgur	1 : 1.5	9
Green spelt, whole	1 : 1	18–20
Green spelt, cracked	1 : 1	7
Oats, whole	1 : 1	18
Oats, cracked	1 : 1	7
Millet	1 : 1.5	10
Polenta	1 : 3	10
Quinoa	1 : 1.5	15
Rye, whole	1 : 1	35
Rye, cracked	1 : 1	10
Wheat, whole	1 : 1	30
Wheat, cracked	1 : 1	8

 Duration

Steam cooking

Pasta

Dry pasta

Dry pasta swells when it is cooked and needs to be cooked in liquid. The liquid must cover the pasta. Using hot liquid gives better results.

Increase the cooking time stated by the manufacturer by approx. $\frac{1}{3}$.

Fresh food

Fresh pasta, such as the kind you can buy from the supermarket chilled counter, does not need to absorb water. Cook fresh pasta in a greased perforated container.

Separate any pieces of pasta which have stuck together and spread them out in the cooking container.

Settings


Automatic programmes  | Pasta | ... |

or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

Fresh	 [min]
Gnocchi	2
Knöpfli	1
Ravioli	2
Spätzle	1
Tortellini	2
Dry pasta, covered with water	
Tagliatelli	14
Vermicelli	8


 Duration

Dumplings

Ready made boil-in-the-bag dumplings need to be well covered with water as otherwise they can fall apart. This is because even though they have been soaked in water beforehand they will not absorb enough moisture.

Cook fresh dumplings in a greased, perforated container.

Settings


Automatic programmes  | Pasta | ... |

or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

	 [min]
Sweet dumplings	30
Yeast dumplings	20
Boil-in-the-bag potato dumplings	20
Boil-in-the-bag bread dumplings	18–20

 Duration

Steam cooking


Dried pulses

Soak pulses for at least 10 hours in cold water before cooking. Soaking makes the pulses more digestible and shortens the cooking duration required. Soaked pulses must be covered with liquid during cooking.

Lentils do not need to be soaked before cooking.

With unsoaked pulses a certain ratio of pulses to liquid is required depending on variety.

Settings


Automatic programmes  | Pulses | ... |

or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

Soaked	
	 [min]
Beans	
Kidney beans	55–65
Adzuki beans	20–25
Black beans	55–60
Pinto beans	55–65
Haricot beans	34–36
Peas	
Yellow split peas	40–50
Green split peas	27

 Duration

Steam cooking

Unsoaked		
	Ratio Pulses : Liquid	🕒 [min]
Beans		
Kidney beans	1 : 3	130–140
Adzuki beans	1 : 3	95–105
Black beans	1 : 3	100–120
Pinto beans	1 : 3	115–135
Haricot beans	1 : 3	80–90
Lentils		
Brown lentils	1 : 2	13–14
Red lentils	1 : 2	7
Peas		
Yellow split peas	1 : 3	110–130
Green split peas	1 : 3	60–70

🕒 Duration

Steam cooking

Hen's eggs

Use a perforated container to boil eggs.

The eggs do not need to be pierced before cooking as they are gradually warmed during the heating up phase and so do not burst when they are cooked with steam.

When using a solid container for making egg dishes such as scrambled eggs, remember to grease it first.

Settings


Automatic programmes  | Hen's eggs | ... |

or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

	 [min]
Small soft medium hard	 3 5 9
Medium soft medium hard	 4 6 10
Large soft medium hard	 5 6–7 12
Extra large soft medium hard	 6 8 13

 Duration

Fruit

Cook fruit in a solid container so that none of the juice is lost. If you wish to cook fruit in a perforated container, place a solid container directly underneath it to collect the juice.

Tip: You can use the juice which has collected in the solid container to make a glaze for a fruit flan.

Settings


Automatic programmes  | Fruit | ... |

or

Steam cooking 

Temperature: 100 °C

Cooking duration: see table

	 [min]
Apple chunks	1–3
Pear chunks	1–3
Cherries	2–4
Mirabelle plums	1–2
Nectarine/peach chunks	1–2
Plums	1–3
Quinces, diced	6–8
Rhubarb chunks	1–2
Gooseberries	2–3

 Cooking duration

Steam cooking

Shellfish

Preparation

Defrost frozen shellfish before cooking with steam.

Peel, remove and discard the intestines, and then wash the shellfish.

Cooking containers

If using a perforated container, grease it first.

Duration

The longer shellfish are cooked, the tougher they become. Use the cooking durations given in the chart.

When cooking shellfish in sauce or stock, we recommend that you increase the cooking duration quoted by a few minutes.

Settings



Automatic programmes  | Shellfish | ... |

or

Steam cooking 

Temperature: see table


Cooking duration: see table

	 [°C]	 [min]
Crevettes	90	3
Prawns	90	3
King prawns	90	4
Small shrimps	90	3
Lobster	95	10–15
Large shrimps	90	3

 Temperature  Duration

Mussels

Fresh food

 Danger of food poisoning from spoiled mussels.
Spoiled mussels can cause food poisoning.
Only cook mussels which are closed.
Do not eat mussels which have not opened after being cooked.

Steep fresh mussels in water for a few hours before cooking to rinse out any sand. Then scrub the mussels thoroughly to clean them.

Frozen food

Defrost frozen mussels before cooking.

Duration

The longer mussels are cooked, the tougher they become. Use the cooking durations given in the chart.

Settings



Automatic programmes  | Mussels and clams | ... |

or

Steam cooking 

Temperature: see table

Cooking duration: see table

	 [°C]	 [min]
Barnacles	100	2
Cockles	100	2
Mussels	90	12
Scallops	90	5
Razor clams	100	2–4
Venus clams	90	4

 Temperature  Duration

Steam cooking

Menu cooking (cooking whole meals) - manually

Before cooking meals with the manual menu cooking function, switch off steam reduction (see “Settings – Steam reduction”).

When cooking a menu, you can combine different foods with different cooking durations, e.g. fish fillet with rice and broccoli.

The food is placed in the oven compartment at different times so that each item is ready at the same time.

Shelf level

Place foods that produce a lot of liquid (e.g. fish) or have a distinctive colour (e.g. beetroot) directly above universal tray. This avoids any transfer of flavour or colour to other food and prevents liquid dripping onto food below it.

Temperature

Whole meals should be cooked at a temperature of 100 °C as this is the temperature required to cook the majority of foods.

Do not cook a whole meal at the lowest temperature when different temperatures are required for different types of food, e.g. 85 °C for seabream and 100 °C for potatoes.

If the recommended cooking temperature for the food is 85 °C for example, try cooking it at 100 °C and testing the result. Some delicate types of fish with a soft structure, e.g. sole and plaice will become very firm when cooked at 100 °C.

Duration

If you are increasing the recommended temperature, shorten the cooking duration by approx. $\frac{1}{3}$.

Example

Food cooking durations

(see cooking tables in “Steam cooking”)

Parboiled rice	24 minutes
Rosefish fillet	6 minutes
Broccoli	4 minutes

Calculation of set cooking durations:

24 minutes minus 6 minutes =
18 minutes (1st cooking duration: rice)

6 minutes minus 4 minutes = 2 minutes
(2nd cooking duration: rosefish fillet)

Remaining time = 4 minutes
(3rd cooking duration: broccoli)

Cooking duration	24 min. – rice		
	6 min. – fish fillet		4 min. – broccoli
	18 min.	2 min.	
Settings	18 min.	2 min.	4 min.

Cooking a whole menu

- Place the rice in the oven compartment first.
- Set the 1st cooking duration: 18 minutes.
- After the 18 minutes, place the fish into the appliance.
- Set the 2nd cooking duration: 2 minutes.
- After the 2 minutes, place the broccoli into the appliance.
- Set the 3rd cooking duration: 4 minutes.

Sous-vide (vacuum) cooking

With this gentle cooking method, food is cooked slowly and at a low, constant temperature in vacuum packaging.

With vacuum cooking, no moisture evaporates during cooking and all nutrients and flavours are retained.

The cooking result has an intensive taste and food is cooked evenly.

Use only fresh food which is in a good condition.

Ensure hygienic conditions and that food has not been out of the refrigerator too long, e.g. during transportation.

Use only heat-stable, boiling-resistant vacuum sealing bags.

Do not cook food in the sales packaging, such as vacuum-packed frozen food as it is possible that the packaging used is not suitable for vacuum cooking.

Do not use the vacuum sealing bag more than once.

Vacuum-seal the food in a chamber system vacuum sealer only.

Sous-vide (vacuum) cooking

Important

For an optimum cooking result:


- Use fewer herbs and spices than for conventional cooking as the effect on the taste of the food is more intensive. You can also prepare the food without seasoning and add seasoning after cooking.
- The cooking duration is reduced when salt, sugar, and liquids are added.
- The food becomes firmer if acidic ingredients, such as lemon or vinegar are added.
- Do not use garlic as this can cause an unpleasant taste.
- Only use vacuum sealing bags that match the size of the food. If the bag is too big, too much air may remain inside.
- If you want to cook several items of food in one vacuum sealing bag, put them side-by-side in the bag.
- If you want to cook food in several bags at once, put the bags side-by-side on the shelf.
- The cooking durations depend on the thickness of the food.
- With higher temperatures and/or longer cooking durations, a lack of water may occur. Check the display from time to time.
- Keep the door closed during the cooking programme. Opening the door extends the programme and can change the cooking result.
- Temperatures and cooking durations from Sous-vide recipes cannot always be adopted exactly. Alter the settings to achieve the degree of cooking you want.

Tips

- In order to reduce cooking times, you can vacuum-seal food items 1–2 days before the cooking programme. Store the vacuum-sealed food in the refrigerator at no more than 5 °C. In order to preserve quality and flavour, the food should be cooked no later than 2 days afterwards.
- Freeze liquids such as marinades before vacuum-sealing to prevent them from escaping from the bag.
- Fold the edges of the vacuum sealing bag outwards for filling. This will give you clean, perfect seams.
- If you do not want to eat the food straight after cooking, put it in iced water immediately and allow it to cool down completely. After this, store the food at temperatures no greater than 5 °C.
This way, you can retain the food's quality and flavour while keeping it fresh for longer.
Exception: Poultry must be eaten straight after the cooking programme.
- After cooking, cut the vacuum sealing bag on all sides for easier access to the food.
- Briefly fry meat and firm types of fish (such as salmon) before serving for a roasted aroma.
- Use the stock or marinade of vegetables, fish or meat to make a sauce.
- Serve the food on pre-warmed plates.

Sous-vide (vacuum) cooking

Using the Sous-vide function

- Rinse the food with cold water and dry it.
- Place the food in a vacuum sealing bag and add spices or liquid if desired.
- Vacuum-seal the food in a chamber system vacuum sealer.
- For the best cooking results, place the rack on shelf level 2.
- Place the vacuum-sealed food on the rack (next to each other if there are several bags).
- Select Sous-vide .
- Change the recommended temperature if necessary.
- Confirm with *OK*.
- Set further settings as necessary (see “Operation”).

Possible reasons for unsatisfactory results

The bag has opened:

- The seal was not clean or strong enough and has opened.
- The bag was damaged by a sharp bone.

The food has an unpleasant or strange taste:

- Incorrect storage of the food; the food was kept out of the refrigerator for too long.
- The food was contaminated with bacteria before it was vacuum sealed.
- Too much of ingredients such as spices was added.
- The bag or seal was not in perfect order.
- The vacuum was insufficient.
- The food was not eaten or chilled immediately after cooking.

Sous-vide (vacuum) cooking

The cooking durations given in the tables are guidelines only. We recommend selecting the shorter duration initially. You can cook for longer if necessary. The cooking duration only begins when the set temperature is reached.

Food	Added in advance		🌡️ [°C]	⌚ [min]
	Sugar	Salt		
Fish				
Atlantic cod fillet, 2.5 cm thick		x	54	35
Salmon fillet, 2–3 cm thick		x	52	30
Monkfish fillet		x	62	18
Pikeperch fillet, 2 cm thick		x	55	30
Vegetables				
Cauliflower florets, medium to large		x	85	40
Hokkaido pumpkin, sliced		x	85	15
Kohlrabi, sliced		x	85	30
Asparagus, white, whole	x	x	85	22–27
Sweet potato, sliced		x	85	18
Fruit				
Pineapple, sliced	x		85	75
Apples, sliced	x		80	20
Baby bananas, whole			62	10
Peaches, halved	x		62	25–30
Rhubarb chunks			75	13
Plums, halved	x		70	10–12
Other				
Beans, white, soaked in a ratio of 1:2 (beans to liquid)		x	90	240
Prawns, peeled and deveined		x	56	19–21
Hen's egg, whole			65–66	60
Scallops, removed from shell			52	25
Shallots, whole	x	x	85	45–60

🌡️ Temperature ⌚ Duration

Sous-vide (vacuum) cooking

Food	Added in advance		🌡️ [°C]		🕒 [min]
	Sugar	Salt	Medium*	Done*	
Meat					
Duck breast, whole		x	66	72	35
Saddle of lamb			58	62	50
Beef fillet steak, 4 cm thick			56	61	120
Beef rump steak, 2.5 cm thick			56	–	120

🌡️ Temperature 🕒 Duration

* Degree of cooking

The “well done” cooking degree uses a higher core temperature than “medium”, but results are not the same as being well-done in the traditional sense.

Sous-vide (vacuum) cooking

Reheating

Only reheat brassicas, such as kohlrabi and cauliflower, in combination with a sauce. Without sauce, an unpleasant cabbage-like taste and grey-brown colour may develop.

Food with a short cooking duration or which continues cooking during reheating, such as fish, is not suitable for reheating.

Preparation

Place the cooked food into ice water for approx. 1 hour directly after cooking. The rapid cooling prevents the food from continuing to cook, which helps retain the optimum cooked condition. Then store the food in the refrigerator at a maximum temperature of 5 °C.

Please note that the quality of the food decreases the longer it is stored. We recommend that you do not store the food in the refrigerator for longer than 5 days before reheating.

Settings

Sous-vide 

Temperature: see table

Duration: see table

Sous-vide (vacuum) cooking

Reheating with the Sous-vide function

The durations specified in the table are guidelines only. You can increase the duration if necessary. The cooking duration only begins when the set temperature is reached.

Food	🌡️ [°C]		⌚ ² [min]
	Medium ¹	Done ¹	
Meat			
Saddle of lamb	58	62	30
Beef fillet steak, 4 cm thick	56	61	30
Beef rump steak, 2.5 cm thick	56	–	30
Vegetables			
Cauliflower florets, medium to large ³	85		15
Kohlrabi, sliced ³	85		10
Fruit			
Pineapple, sliced	85		10
Other			
Beans, white, soaked in a ratio of 1:2 (beans to liquid)	90		10
Shallots, whole	85		10

🌡️ Temperature, ⌚ Time

1 Degree of cooking


The “well done” cooking degree uses a higher core temperature than “medium”, but results are not the same as being well-done in the traditional sense.

2 Durations apply to vacuum-sealed food with an initial temperature of approx. 5 °C (refrigerator temperature).

3 Reheat only in sauce.

Further applications

Reheat

To reheat food which was cooked using the sous-vide method, use the Sous-vide  function (see “Sous-vide – Reheating”).

The combination steam oven is very effective at reheating food gently, without drying it out or cooking it further. The food will reheat evenly and does not need to be stirred during the reheating process.

You can reheat individual dishes or plated meals which have been prepared previously (e.g. meat, vegetables and potatoes).

Suitable containers

Small quantities can be reheated on a plate, larger quantities should be placed in a cooking container.

Time

10–12 minutes are usually sufficient for one plate of food. More than one plate will need a little longer.

If you are reheating several plated meals one after the other, the reheating time can be reduced by around 5 minutes for the second and subsequent plates as the oven compartment will still be hot.

Moisture

The more moist the food, the less moisture needs to be added.

Tips

- Do not reheat large items, such as a joint of roast meat, whole. Divide it into portions and reheat these as plated meals.
- Compact items, such as stuffed peppers or roulades, should be cut in half.
- Reheat sauces separately. Exceptions are dishes such as goulash, which is cooked in sauce.
- Please note that breaded items, such as schnitzel, will not retain their crispness when they are reheated.

Food does not need to be covered before it is reheated.

Settings

Reheat 

or

Combi mode  | Combi Fan plus

Temperature: see chart

Moisture: see chart

Duration: see chart

Further applications

The durations specified in the chart are guidelines only. We recommend selecting the shorter duration initially. You can make the duration longer if necessary.

Food	🌡️ [°C]	∆∆ [%]	⌚* [min]
Vegetables			
Carrots Cauliflower Kohlrabi Beans	120	70	8–10
Side dishes			
Pasta Rice Potatoes, cut in half lengthways	120	70	8–10
Dumplings Mashed potato	140	70	18–20
Meat and poultry			
Sliced meat, 1.5 cm thick Roulades, sliced Goulash Lamb stew Meatballs Chicken escalopes Turkey escalopes, sliced	140	70	11–13
Fish			
Fish fillet Fish roulade, halved	140	70	10–12
Plated meals			
Spaghetti, in tomato sauce Stuffed peppers (cut in half), rice Chicken fricassee, rice Vegetable soup Creamed soup Clear broth Stew	120	70	10–12


🌡️ Temperature, ∆∆ Moisture, ⌚ Duration

* These times apply to food heated on a plate.

Further applications

Defrost

It is much quicker to defrost food in the combination steam oven than at room temperature.

 Risk of infection from bacteria. Bacteria such as salmonella can cause life-threatening food poisoning. It is particularly important to observe food hygiene rules when defrosting fish and meat, and in particular when defrosting poultry. Do not use the liquid produced during defrosting. Process the food as required as soon as it has been defrosted.

Temperature

60 °C is the best temperature for defrosting.

Exception: 50 °C for minced meat and game

Before and after defrosting

Remove any packaging before defrosting.

Exceptions: Leave bread, biscuits and cakes in their packaging as otherwise they will absorb moisture and become soft.

Allow food to stand at room temperature for a few minutes after defrosting. The standing time is necessary to allow the even distribution of heat from the outside to the inside.

Cooking containers

Use a perforated container with the universal tray underneath when defrosting food which will drip, such as poultry. This way food will not be lying in defrosted liquid.

Food which does not drip can be defrosted in a solid container.

Tips

- Fish, for instance, does not need to be fully defrosted before cooking. Defrost so that the surface is sufficiently thawed to take herbs and seasoning. Depending on the thickness of the fish, 2–5 minutes is generally enough.
- When defrosting food which has frozen together, e.g. berries and meat portions, separate them half-way through the defrosting time.
- Do not refreeze food once it has thawed.
- Defrost frozen pre-cooked meals according to the instructions on the packaging.

Settings

Defrost 

or

Steam cooking 

Temperature: see chart

Defrosting duration: see chart

Standing time: see chart

Further applications

The durations specified in the table are guidelines only. We recommend selecting the shorter defrosting time initially. You can increase the defrosting time longer if necessary.

Frozen food	Quantity	🌡️ [°C]	🕒 [min]	⌚ [min]
Dairy products				
Sliced cheese	125 g	60	15	10
Quark	250 g	60	20–25	10–15
Cream	250 g	60	20–25	10–15
Soft cheese	100 g	60	15	10–15
Fruit				
Apple sauce	250 g	60	20–25	10–15
Apple chunks	250 g	60	20–25	10–15
Apricots	500 g	60	25–28	15–20
Strawberries	300 g	60	8–10	10–12
Raspberries/currants	300 g	60	8	10–12
Cherries	150 g	60	15	10–15
Peaches	500 g	60	25–28	15–20
Plums	250 g	60	20–25	10–15
Gooseberries	250 g	60	20–22	10–15
Vegetables				
Frozen in a block	300 g	60	20–25	10–15
Fish				
Fish fillets	400 g	60	15	10–15
Trout	500 g	60	15–18	10–15
Lobster	300 g	60	25–30	10–15
Small shrimps	300 g	60	4–6	5
Ready meals				
Meat, vegetables, side dishes/ stew/soup	480 g	60	20–25	10–15

Further applications

Frozen food	Quantity	🌡️ [°C]	⌚ [min]	⌛ [min]
Meat				
Roast meat, sliced	125–150 g each	60	8–10	15–20
Minced meat	250 g	50	15–20	10–15
	500 g	50	20–30	10–15
Goulash	500 g	60	30–40	10–15
	1000 g	60	50–60	10–15
Liver	250 g	60	20–25	10–15
Saddle of hare	500 g	50	30–40	10–15
Saddle of roebuck	1000 g	50	40–50	10–15
Cutlets/sausages	800 g	60	25–35	15–20
Poultry				
Chicken	1000 g	60	40	15–20
Chicken thighs	150 g	60	20–25	10–15
Chicken escalopes	500 g	60	25–30	10–15
Turkey legs	500 g	60	40–45	10–15
Baked goods				
Puff pastries/yeast-dough pastry	–	60	10–12	10–15
Creamed mixture cakes/biscuits	400 g	60	15	10–15
Bread/rolls				
Bread rolls	–	60	30	2
Rye bread, sliced	250 g	60	40	15
Wholegrain bread, sliced	250 g	60	65	15
White bread, sliced	150 g	60	30	20

🌡️ Temperature ⌚ Defrosting time ⌛ Standing time

Mix & Match

The Mix & Match special application is available to help with simple and uncomplicated preparation of plated meals. With this application, you can reheat food that has already been cooked (convenience food) or assemble a portioned-out meal using fresh food and cook it on a plate.

During cooking, you have the choice between a crispy, browned result or gently cooked food with a succulent surface without additional browning.

Only use food that is completely hygienic. If you have any concerns, dispose of the food.

Tip: We recommend using the Miele app for the Mix & Match special application. With the Miele app, you can interactively assemble your meal using a wide range of ingredients and then transfer the programme settings to your combination steam oven.

To use this function, you need to connect your combination steam oven to the WiFi network. Find out how to do this in “Before using for the first time” – “Miele@home”.

If you choose not to use the Miele app, follow the instructions below and assemble your meal using the cooking charts.

Containers

Use:

- a flat plate or a small ovenproof dish
- a deep bowl or a cup for food that requires liquid to be added

Baked goods, pizza, flammkuchen, etc. can be placed directly on the rack (with baking parchment if necessary).

The plastic containers for ready meals are not sufficiently heat-resistant.

Transfer ready meals into suitable cooking containers.

Tips for reheating plated meals

- For fried or gratin dishes, use *Crispy* reheating and for baked or boiled dishes, use *Gentle* reheating.
- Using *Crispy* reheating ensures that only food that was crispy before reheating stays crispy.
- The food should not exceed a height of 2–2.5 cm. Transfer taller food into flat containers (e.g. stew) or slice it into smaller pieces (e.g. roulades, bakes).
- Only reheat pasta mixed into a sauce.
- Droplets of water may have accumulated underneath the crockery. Dry the droplets of water before serving.

Further applications

Tips for cooking plated meals

- You can easily make a sauce from the meat and fish stock: add 1 tsp of cornflour to the raw meat or fish before cooking. Stir the sauce with a fork until smooth before serving. You can also use 1 tsp of mashed potato powder (instant) or a pinch of guar gum instead of cornflour.
- If cooking durations for different foods are not the same, you can compensate for this by changing the size of the food: if the cooking duration is shorter, make the pieces larger (e.g. large cauliflower florets). If the cooking duration is longer, make the pieces smaller (e.g. diced potatoes).
- You can also compensate for differing cooking durations with layering: place food with a short cooking duration under a food with a long cooking duration or put them together as a small bake.
- To prevent the food from drying out, prepare your dish with a sauce or marinade. You can also use cheese.

Assembling a plated meal using various components

For a good cooking result, you must put together the individual components of the dish – such as meat, side dishes and vegetables – so that a common setting can be selected for browning. This setting must be suitable for all elements of the meal, or at least conditionally suitable.

We recommend using the following procedure:

- Select a main ingredient based on the cooking charts, e.g. steak.
- Select other ingredients which have the corresponding settings for browning, e.g. green beans and rice.

Notes on the cooking charts

As well as information on portion sizes or the way the food needs to be processed prior to cooking, the cooking charts also provide tips on preparation.


The degree of browning is represented in the display by a bar with seven segments. Basically, the more segments that are filled, the longer the cooking duration.

You can use the icons to determine which setting is appropriate to brown the food:

Symbol	Meaning
—	Unsuitable
□	Conditionally suitable
■	Suitable

Using the Mix & Match special application

Food does not need to be covered while it is being cooked.

- Prepare the food as required.
- Select Further  | Special applications | Mix & Match.
- If you are preparing food that is already **cooked**, select Gentle reheating or Crispy reheating.
- If you are preparing food that is **fresh** or just partially cooked, select Gentle cooking or Crispy cooking.
- Change the setting for browning if necessary.
- Confirm with *OK*.
- Place the food onto the rack on shelf level 3.
- Confirm with *OK*.

You can start the cooking programme immediately or delay the start.

- If by the end of a cooking programme, the plated meal is not cooked enough for your taste, select *Cont.* browning.

Further applications

Reheating food with the “Crispy reheating” special application

Food	Browning segment bar setting
Apple strudel, 4 cm thick, baked	___ _ _ _ □ ■ ■ □ _ _
Baked camembert, 75 g, baked	___ _ _ _ □ ■ ■ □ _ _
Baguette, baked	___ □ ■ ■ □ _ _ _ _ _
Puff pastry canapés, baked	___ □ ■ ■ □ □ _ _ _ _
Tofu patty ¹ , cooked	___ □ □ □ ■ ■ □ _ _ _
Bread roll, pre-baked or baked, stored	___ _ _ □ ■ ■ □ _ _ _
Cheeseburger, cooked	___ _ _ □ ■ ■ _ _ _ _ _
Chili con carne ¹ , 2 cm thick, cooked	___ _ _ _ □ ■ ■ □ _ _
Ciabatta rolls, pre-baked or baked, stored	___ _ _ _ ■ ■ □ _ _ _
Tarte flambée, baked	___ □ ■ ■ □ _ _ _ _ _
Meat strips ¹ , pre-cooked or cooked	□ □ □ ■ ■ □ □ _ _ _
Meat patty ¹ , 60 g, cooked	___ _ _ □ ■ ■ □ _ _ _
Spring roll, 100 g, cooked	___ _ _ _ _ □ ■ ■ □ □
Kaiserschmarrn pancake ¹ , frozen, thawed	___ □ □ □ ■ ■ □ □ _ _
Potatoes, mainly waxy, sliced, cooked	___ _ _ □ ■ ■ □ _ _ _
Potato pockets, baked	___ _ □ □ □ ■ ■ □ _ _
Lasagne ¹ , 3 cm thick, cooked	___ _ _ _ ■ ■ □ _ _ _
Pasta bake ¹ , 4.5 cm thick, cooked	___ _ _ _ □ ■ ■ _ _ _
Pancakes ¹	___ _ □ ■ ■ □ _ _ _ _
Pizza, baked	□ □ □ ■ ■ □ □ □ □ _
Quiche, 3.5 cm thick, baked	___ _ _ _ _ □ ■ ■ □ □
Potato pancakes ¹ , cooked	___ _ _ _ ■ ■ □ _ _ _
Hash browns, cooked	___ _ _ □ ■ ■ □ _ _ _
Escalopes, cooked	___ _ □ ■ ■ □ □ □ _ _

¹ is not crispy, only needs to be sufficiently heated (> 65 °C).

Further applications

Cooking food with the “Crispy cooking” special application

Food	Cooking tips	Browning segment bar setting
Meat¹		
Meat patty, 60 g, 2.5 cm thick	Ground meat, seasoned	___ _ _ _ _ <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
Chicken breast, 3 cm thick, raw	On its own, seasoned	_ <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> _ _ _ _ _
Chicken drumstick, raw	Marinated	_ _ _ _ _ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Veal tenderloin, 2.5 cm thick, raw	Marinated, with sauce	<input checked="" type="checkbox"/> _ _ _ _ _
Lamb chop, 2 cm thick, raw	Marinated	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
Steak, 3 cm thick, raw	Marinated	_ <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
Fish¹		
Halibut cutlet, 3 cm thick, raw	Marinated	<input type="checkbox"/> <input checked="" type="checkbox"/> _ _ _ _ _
Cod filet, 3.5 cm thick, raw	Marinated	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
Salmon filet, 3 cm thick, raw	Seasoned	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _ _ _
Pollock filet, 3 cm thick, raw	Seasoned, topping: spinach, feta	<input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
Tuna filet, 3 cm thick, raw	Marinated	_ _ _ <input type="checkbox"/> _ _ _ _ _
Catfish kebab, 50 g chunks, raw	Marinated	_ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> _ _ _
Vegetables		
Aubergine, 2 cm thick, raw	Marinated	_ _ _ _ _ <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _
Cauliflower, large florets, raw	Salt, pepper, buttered breadcrumbs	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
Broccoli, large florets, raw	Cheese sauce	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
String beans, raw	Seasoned	_ _ _ <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _
Potatoes, waxy, 3 mm slices, raw	Butter, salt or cheese	_ _ _ _ _ <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
Kohlrabi, 2 cm slices, raw	Salt, pepper, nutmeg	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
Pumpkin, 2 cm chunks, raw	Salt, pepper, pumpkin seed oil	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
Corn on the cob, raw	Salt, butter	_ <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _
Carrots, 2 cm slices, raw	Salt, pepper, butter	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _ _ _
Bell pepper, large chunks, raw	Marinated	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> _ _ _
Courgette, 2 cm slices, raw	Marinated	_ <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> _

Further applications

Food	Cooking tips	Browning segment bar setting
Pasta & rice		
Fresh pasta, tortellini, pre-cooked	–	□ _____
Lasagne, 3 cm thick, pre-cooked	–	■ □ _____
Pasta bake, 2 cm thick, pre-cooked	–	■ _____
Rice, brown rice, cooking duration 8 minutes, uncooked	Salt, 1 : 2 (rice : liquid)	__ □ ■ □ ____
Rice, parboiled rice, cooking duration 8–12 minutes, uncooked	Salt, 1 : 1.5 (rice : liquid)	___ □ ■ □ ___
Rice, pre-cooked	–	□ □ ■ □ ____
Pizza etc.		
Baked camembert, 25 g, frozen	Thawed	■ □ □ □ ____
Baguettes, frozen or pre-baked	Thawed	□ ■ _____
Bread rolls, frozen or pre-baked	Thawed	□ ■ □ _____
Cheeseburger, pre-cooked	–	■ _____
Dates, raw	–	__ □ □ ■ □ ____
Tarte flambée, uncooked	Top with chilled pastry	___ □ ■ □ ___
Spring roll, 100 g, frozen	Thawed	__ □ ■ □ ____
Grilled cheese, 90 g, pre-cooked	–	___ ___ □ ■ □
Potato pockets, frozen	Thawed	■ □ _____
Gnocchi, pre-cooked	Butter, salt, cheese	■ _____
Potato pancakes, uncooked	Drizzled with a little oil	___ □ ■ □ ___
Schupfnudeln (potato dumplings), pre-cooked	–	□ □ ■ □ □ □ □ _
Tofu patty, 80 g, cooked	–	■ _____
Pizza, baked	–	□ ■ □ _____
Hash browns, frozen	Thawed	■ □ _____
Onion tart, 2.5 cm thick	Pre-baked	___ ___ ■ □
Desserts		
Kaiserschmarrn pancake, cooked	–	__ □ □ ■ □ □ _

¹ Add 1 tsp cornflour to raw meat/fish.

Food suitable for the “Gentle cooking” special application

Food	Cooking tip
Meat¹	
Sausage, 100 g, cooked	–
Beef filet skewer, 50 g chunks, raw	Marinated
Chicken breast, 3 cm thick, raw	On its own, seasoned
Veal tenderloin, 2.5 cm thick, raw	Marinated, in sauce
Fish¹	
Trout, whole, 350 g, raw	Seasoned, filling: butter, herbs
Halibut cutlet, 3 cm thick, raw	Marinated
Cod filet, 3.5 cm thick, raw	Marinated
Salmon filet, 3 cm thick, raw	Seasoned
Pollock fillet, 180 g	Topping: spinach and crème fraîche
Tuna filet, 3 cm thick, raw	Marinated
Catfish kebabs, 50 g chunks	Marinated
Vegetables	
Cauliflower, large florets, raw	Seasoned
Broccoli, large florets, raw	Seasoned, with/without cheese sauce
Potatoes, waxy, quartered/in wedges, raw	Salt
Kohlrabi, 2 cm slices, raw	Salt, pepper, nutmeg
Pumpkin, 1.5 cm chunks, raw	Salt, pepper, pumpkin seed oil
Corn on the cob, raw	Salt, butter
Carrots, 2 cm slices, raw	Salt, pepper, butter
Bell pepper, large chunks, raw	Marinated
Brussels sprouts, whole, raw	Salt, pepper, nutmeg
Asparagus, spears, whole, raw	Salt, butter
Sweet potato, 1.5 cm chunks/wedges, raw	Salt
Courgette, 2 cm slices, raw	Marinated

Further applications

Food	Cooking tip
Pasta & rice	
Fresh pasta, tortellini, pre-cooked	Sauce
Macaroni, short, uncooked	Salt, 1 : 3 (pasta : water)
Rice, basmati rice, cooking duration 10 minutes, uncooked	Salt, 1 : 2.5 (rice : liquid)
Rice, brown rice, cooking duration 8 minutes, uncooked	Salt, 1 : 2 (rice : liquid)
Rice, parboiled rice, cooking duration 8–12 minutes, uncooked	Salt, 1 : 2 (rice : liquid)
Rice, short-grain rice, cooked	–
Vermicelli, uncooked	Covered with stock
Pizza etc.	
Gnocchi, pre-cooked	Salt, butter
Mashed potato, cooked	–
Schupfnudeln (potato dumplings), pre-cooked	Salt, butter

¹ Add 1 tsp cornflour to raw meat/fish.

Menu cooking – automatic

When cooking a menu automatically, you can combine up to 3 different foods in a single menu, e.g. fish fillet with rice and vegetables.

With menu cooking, the food is placed in the steam oven compartment at different times so that each item is ready at the same time.

You can select items of food in any order, because the combination steam oven sorts them according to cooking duration and indicates when each item has to be placed in the oven.

The Finish at and Start at functions are not available in menu cooking.

Using the Menu cooking special application

■ Select Further  | Special applications | Menu cooking.

■ Select the food you want.

Depending on the type of food selected, you will be asked about the size, weight and degree of cooking.

■ Select the values required and then confirm each one with *OK*.

■ Select Add food.

■ Select the next food you want and proceed as described for the first type of food.

■ Repeat for the third type of food if necessary.

After confirming Start Menu cooking, you will be prompted to place the food with the longest cooking duration into the oven compartment.

- When using perforated containers to cook foods that produce a lot of liquid or have a distinctive colour, be sure to place them over the universal tray. This avoids any transfer of flavour or colour to other food and prevents liquid dripping onto food below it.

At the end of a heating-up phase, the combination steam oven will indicate when the next item of food has to be placed inside. Once this time has been reached, a buzzer will sound.

This process is repeated if there is a third food item.

You can still cook food types not listed together. Please refer to “Menu cooking – manual” in the “Steam cooking” chapter for more information.

Further applications

Bottling

Only use unblemished, fresh produce which is in good condition for bottling.

Glass jars

Use clean glass jars and accessories and check them for any defects. Glass jars with twist off lids or glass lids with a rubber seal are suitable.

Make sure that all the jars are the same size so that bottling is carried out evenly.

After you have filled the jars with the bottled produce, clean the glass rims with a clean cloth and hot water and then seal the jars.

Fruit

Sort fruit carefully, rinse it briefly but thoroughly and allow it to drain. Take great care when cleaning soft fruit as it is very delicate and squashes easily.

Remove any peel, stalks, cores or stones. Cut up large fruit. For example, cut apples into slices.

If you are bottling fruit with stones (e.g. plums, apricots) without removing the stones, pierce the fruit several times with a fork or wooden skewer as otherwise it will burst.

Vegetables

Rinse, clean and cut up vegetables.

Vegetables should be blanched before bottling to help them retain their colour (see “Further applications” – “Blanching”).

Fill volume

Fill the glass jars with produce up to a maximum of 3 cm below the rim. Do not pack it down as this will damage the cell walls of the produce. Tap the jar gently onto a cloth to help distribute the contents evenly. Fill the jars with liquid. The produce must be completely covered.

Use a sugar solution for fruit and a salt or vinegar solution for vegetables.


Tips

- Make use of residual heat by leaving the jars in the oven for 30 minutes after it has switched off.
- Then cover the jars with a cloth and allow to cool for approx. 24 hours.

Bottling food

- Place a perforated container or the rack in level 1.
- Place the jars in the perforated container or on the rack. The jars must not touch each other.

Settings

Further  | Special applications | Bottling or

Steam cooking 

Temperature: see chart

Duration: see chart

Further applications

The durations specified in the chart are guidelines only.

Food to be bottled	🌡️ [°C]	🕒* [min]
Berries		
Currants	80	50
Gooseberries	80	55
Cranberries	80	55
Fruit with stones		
Cherries	85	55
Mirabelle plums	85	55
Plums	85	55
Peaches	85	55
Greengages	85	55
Fruit with pips		
Apples	90	50
Apple sauce	90	65
Quinces	90	65
Vegetables		
Beans	100	120
Broad beans	100	120
Gherkins	90	55
Beetroot	100	60

🌡️ Temperature 🕒 Duration

* Bottling times apply to 1.0 l jars. If using 0.5 l jars, reduce the duration by 15 minutes. If using 0.25 l jars, reduce the duration by 20 minutes.

Further applications

Bottling cakes

Creamed, sponge and yeast dough mixtures are all suitable for bottling. Cakes will keep for approx. 6 months.

Cakes **made with fresh fruit** are **not suitable for long term storage**, and must be consumed within 2 days of being made.





Only use sterilised jars and accessories. The jars must be narrower at the bottom than at the top (mason jars). 0.25 l jars are the best for this purpose.

Jars must have a glass lid with a rubber ring and metal spring clamp to seal them.



Make sure that all the jars are the same size so that the preserving process is carried out evenly.

- Grease the inside of the jars with butter up to 1 cm below the rim.
- Sprinkle fine breadcrumbs inside the jars.
- Fill the jars $\frac{1}{2}$ to $\frac{2}{3}$ full with mixture (depending on recipe). Make sure the rim stays clean.
- Place the rack in shelf level 2.
- Place the **open** jars (all the same size) on the rack. The jars must not touch each other.
- Close the jars **immediately** after bottling by clamping the glass lid down securely. Do not let the cakes cool down. If the mixture has risen above the rim, it can be pushed back down into the jar with the glass lid.

The durations specified in the chart are guidelines only. We recommend selecting the shorter duration initially. You can extend the duration if necessary.

Type of mixture	Function	Stage	🌡️ [°C]	💧 [%]	🕒 [min]
Batter		–	160	–	35–45
Sponge		–	160	–	50–55
Yeast dough		1	30	100	10
		2	160	30	30–35

🌡️ Temperature, 💧 Moisture, 🕒 Duration

 Conventional heat,  Combination cooking + Conventional heat


Drying

Only use the Drying special application or the Combi Fan plus operating mode to dry food so that moisture can be dissipated.


Bananas, pineapple and chanterelles are not suitable for drying.

- Cut the food for drying into equally sized pieces.
- Line the rack with baking parchment and distribute the food for drying evenly in a single layer if possible.
- Allow the fruit or vegetables to cool down after drying.
- Store dried food in sealed glass jars or tins.
To prevent mould from forming and the food from decomposing, make sure that no moisture gets into the storage container.



Settings

Further  | Special applications | Drying
 Temperature: see chart
 Drying time: see chart

or

Combi mode  | Combi Fan plus
 Temperature: see chart
 Moisture: 0 %
 Drying time: see chart

The drying times specified in the chart are guidelines only. We recommend selecting the shorter drying time initially. You can make the duration longer if necessary.

Food for drying	 [°C]	 [h]
Apple, rings	70	6–8
Apricots, halved, stones removed	60–70	10–12
Pears, sliced	70	7–9
Herbs	40	1.5–2.5
Mushrooms*	50	5–7
Tomatoes, sliced	70	7–9
Citrus fruit, sliced	70	8–9
Plums, stones removed	60–70	10–12

 Temperature,  Drying time (hours)

* Porcini, shiitake, morels, wood ear, bay bolete are suitable for drying. The mushrooms are sufficiently dried when they are “cracker dry”.

Further applications

Extracting juice with steam

This combination steam oven is ideal for extracting juice from soft and firm fruit.

It is best to use overripe fruit, as the riper the fruit, the greater the quantity of juice produced. Very ripe fruit will also produce a more intense flavour.

Preparation

Sort and clean the fruit. Cut out any blemishes.

Remove the stalks from grapes and morello cherries as these are bitter. Berries do not need to have their stalks removed.

Cut larger fruit such as apples into chunks of approximately 2 cm in size. The harder the fruit, the smaller the pieces should be.

Tips

- Try experimenting with mild and tart fruit.
- Adding sugar will increase the quantity of juice produced and improve the flavour. Sprinkle the fruit with sugar and leave to absorb for a few hours before juicing. For 1 kg of sweet fruit add 50–100 g of sugar, and for 1 kg of tart fruit add 100–150 g of sugar.
- If you wish to bottle the juice rather than consume it straight away, pour it whilst hot into hot, sterilised bottles, and then seal immediately with sterilised tops.

Extracting juice from fruit

- Put the prepared fruit into a perforated cooking container.
- Place a solid cooking container or the universal tray underneath in order to collect the juice.

Settings

Steam cooking 

Temperature: 100 °C

Duration: 40–70 minutes


Blanching

Blanch vegetables before freezing them. Blanching helps maintain the quality of the produce when it is frozen.


Blanching vegetables also helps them retain their original colour.

- Put the prepared vegetables into a perforated cooking container.
- Once blanched, plunge the vegetables into ice cold water to cool them down quickly. Drain them well.

Settings

Further  | Special applications |
Blanching

or

Steam cooking 
Temperature: 100 °C
Blanching time: 1 minute


Disinfect items

By the end of this programme, crockery and baby bottles disinfected in the combination steam oven are as free from germs as they would have been had they been boiled. Check beforehand that all parts are declared by the manufacturer to be heat resistant to 100 °C and also that they can withstand hot steam.

Dismantle baby bottles into their individual parts. Do not reassemble the bottles until they are completely dry. This is the only way to prevent them from getting reinfected.


- Place the individual items on the rack or in a perforated container (on their sides or with the opening facing downwards) ensuring that they do not touch one another to allow hot steam to reach them from all sides.

Settings

Further  | Special applications | Disinfect items

Duration: 1 minute to 10 hours

or


Steam cooking 
Temperature: 100 °C
Duration: 15 minutes


Further applications

Heat crockery

If the crockery is pre-heated, the food does not cool down as quickly.

Use heat-resistant crockery.

- Place the rack on shelf level 2 and place the crockery to be warmed on it. Depending on the size of the crockery, you can also place the rack on the floor of the oven compartment with the rack surface facing up and the crockery on top. If necessary, you can also remove the side runners.
- Select Further  | Special applications.
- Select Heat crockery.
- Alter the recommended temperature if necessary and then set the time.

 Risk of injury caused by hot surfaces.


The combination steam oven gets hot during operation. You could burn yourself on the heater elements, oven compartment, side runners or accessories. Droplets of water may have accumulated underneath the crockery.

Use oven gloves when removing the crockery from the oven.

Keeping warm

You can keep food warm in the oven compartment for up to 2 hours.


In order to maintain the quality of food, select the shortest possible time.

- Select Further  | Special applications.
- Select Keeping warm.
- Place the food to be kept warm in the oven compartment and confirm with *OK*.
- Alter the recommended temperature if necessary and then set the time.

Prove dough

- Prepare the dough according to the recipe.
- Place the dough in an uncovered bowl in a perforated container or on the inserted rack.
Depending on the size of the bowl, you can also place the rack on the floor of the oven compartment with the rack surface facing up and place the bowl on top. If necessary, you can also remove the side runners.

Settings

Further  | Special applications | Prove dough

or

Steam cooking 

Temperature: 30 °C

Moisture: 100 %

Duration: as per recipe instructions

Heating damp flannels

- Moisten the flannels and then roll them up.
- Place them beside one another in a perforated cooking container.

Settings

Automatic programmes  | Special | Heat damp flannels

or

Steam cooking 

Temperature: 70 °C

Cooking duration: 2 minutes

Dissolve vegetal gelatine

- Soften vegetal **gelatine leaves** by leaving them in a bowl of cold water for 5 minutes. The vegetal gelatine leaves have to be fully covered with water. Remove the vegetal gelatine leaves from the bowl and squeeze them out. Empty the bowl. Place the squeezed vegetal gelatine leaves back in the bowl.
- Place vegetal **gelatine powder** in a bowl and add water according to the instructions on the packaging.
- Cover the bowl and place in a perforated container.

Settings

Automatic programmes  | Special | Dissolve gelatine

or

Steam cooking 

Temperature: 90 °C

Cooking duration: 1 minute


Further applications

Decrystallise honey

- Loosen the lid and place the jar of honey in a perforated cooking container.
- Stir the honey once during the cooking duration.

When liquefying (decrystallising) honey at a temperature of 60 °C, the main aim is to achieve a spreadable consistency again.

Settings

Automatic programmes  | Special |
Decrystallise honey

or

Steam cooking 

Temperature: 60 °C

Duration: 90 minutes (irrespective of the size of jar or the amount of honey in the jar)

Melt chocolate

You can use the combination steam oven for melting any type of chocolate. When using a cake glaze, place it in a perforated cooking container, leaving it in its packaging.

- Break the chocolate into small pieces.
- Place larger quantities in a solid cooking container and smaller quantities in a cup or a bowl.
- Cover the container or the dish with a lid or with foil that is resistant to temperatures up to 100 °C and to hot steam.
- Stir large quantities once halfway through cooking.

Settings

Automatic programmes  | Special | Melt chocolate

or

Steam cooking 

Temperature: 65 °C


Cooking duration: 20 minutes

Sweat onions


Sweating means cooking the onions in their own juices, with the addition of a little fat if necessary.

- Cut the onions up into small pieces and place them in a solid cooking container with a little butter.
- Cover the container with foil that is temperature-resistant up to 100 °C and resistant to steam.

Settings

Automatic programmes  | Special |
Sweat onions

or

Steam cooking 
Temperature: 100 °C
Cooking duration: 4 minutes


Conserving apples

The storage life of untreated apples can be extended. Steam-treating the apples reduces rotting. Once treated, the apples will keep for 5 to 6 months when stored in a dry, cool and well-ventilated place. This method is only suitable for apples and not for other types of fruit.

Settings

Automatic programmes  | Fruit | Apples |
Whole

or

Steam cooking 
Temperature: 50 °C
Preserving time: 5 minutes

Making eierstich

- Mix 6 eggs with 375 ml milk (do not beat into a foam).
- Season the egg and milk mixture and pour into a solid cooking container greased with a little butter.

Settings

Steam cooking 
Temperature: 100 °C
Cooking duration: 4 minutes

Further applications

Fruit preserve

Only use unblemished, fresh produce which is in good condition.

Glass jars

Only use sterilised jars with twist-off lids up to a maximum capacity of 250 ml.

After pouring in the fruit, clean the rim of the jar with a clean cloth and hot water.

Preparation

Sort fruit carefully, rinse it briefly but thoroughly and allow it to drain. Take great care when cleaning soft fruit as it is very delicate and squashes easily. Remove any stalks, cores or stones.

Purée the fruit as otherwise the preserve will not set. Add jam sugar to the fruit (according to packet instructions) and stir well.

For sweet fruit and berries you should also add some citric acid.

Making fruit preserve

- Fill jars maximum 2/3 full.
- Place the jars without their lids on in a perforated container or on the rack.
- Once the total time required has finished, leave the jars to stand for 1–2 minutes.
- Then seal the jars with a lid and leave them to cool.

Settings

Combi mode  | Combi Fan plus

Temperature: 150 °C

Moisture: 0 %

Duration: 35–45 minutes

Skinning vegetables and fruit

- Cut a cross in the top of tomatoes, nectarines etc. This will allow the skin to be removed more easily.
- Place the fruit/vegetables in a perforated cooking container if using steam cooking and on the universal tray if using the grill.
- To blanch almonds, it is important to plunge them into cold water as soon as they are taken out of the oven. Otherwise the skin cannot be removed.

Settings

Further  | Full grill


Level: 3

Duration: see chart

Food	⌚ [min]
Peppers	10
Tomatoes	7

⌚ Duration

Settings

Steam cooking 

Temperature: 100 °C

Duration: see table

Food	⌚ [min]
Apricots	1
Almonds	1
Nectarines	1
Peppers	4
Peaches	1
Tomatoes	1

⌚ Duration

Further applications

Make yoghurt

To make yoghurt, you will need either fresh live yoghurt or yoghurt culture, obtainable from health food shops.

Use natural yoghurt with live culture and without additives. Heat-treated yoghurt is not suitable.

The yoghurt must be fresh (short storage time).

You can use either unchilled long-life milk or fresh milk.

Long-life milk can be used as it is – no further preparation is required. Fresh milk must first be heated to 90 °C (do not boil it) and then cooled down to 35 °C. Fresh milk will give a better set than long-life milk.

The yoghurt and milk should have the same percentage fat.

Do not move or shake the jars whilst the yoghurt is thickening.

Immediately after preparation, leave the yoghurt to cool in the fridge.

How well home-prepared yoghurt sets will depend on the consistency, fat content and the cultures used in the starter yogurt. Not all yoghurts are suitable for use as starter yoghurt.

Tip: When using yoghurt enzyme, yoghurt can be made from a milk / cream mixture. Mix $\frac{3}{4}$ litre milk with $\frac{1}{4}$ litre cream.

- Mix 100 g yoghurt with 1 l milk or make up the mixture with yoghurt enzyme, following the instructions on the packaging.
- Pour the mixture into jars and seal the jars.
- Place the sealed jars into a perforated cooking container or on the rack. The jars must not touch each other.
- Straight after the cooking duration has finished, place the jars in the refrigerator. Take care not to shake the jars unnecessarily.

Settings

Automatic programmes  | Special | Make yoghurt

or

Steam cooking 

Temperature: 40 °C

Duration: 5 hours

Possible reasons for unsatisfactory results

Yoghurt has not set:

Incorrect storage of starter yoghurt, too much time out of the refrigerator, e.g. in transportation, damaged packaging, milk not sufficiently heated.

Liquid has separated:


The jars were moved, yoghurt was not cooled down quickly enough.

Yoghurt is gritty:


Milk was overheated or in poor condition, milk and starter yoghurt not evenly stirred.

The wide range of automatic programmes enables you to achieve excellent results with ease.

Categories

The  automatic programmes are sorted into categories to provide a better overview. Simply select the appropriate programme for the type of food you are cooking and follow the instructions in the display.

Using automatic programmes


- Select Automatic programmes .

A list will appear in the display.

- Select the desired food category.

The automatic programmes available for the food category selected will then appear.

- Select the desired automatic programme.
- Follow the instructions in the display.

Tip: Use  Info to display information such as how to place or turn the food depending on the cooking programme.

Usage notes

- After a cooking process, allow the oven compartment to cool down to room temperature again before starting an automatic programme.
- The weights specified in the automatic programmes refer to the weight per piece. For example, you can cook just one piece of salmon weighing 250 g or ten pieces of salmon, each weighing 250 g, at the same time.
- The degree of cooking and browning are represented by a bar with seven segments. You can set the desired degree of cooking or browning using the navigation area.
- Please refer to the cookbook for information on suitable bakeware.
- In the Rice category, you can select General in addition to the long-grain and short-grain rice programmes. Use this automatic programme if you want to cook long-grain or short-grain rice varieties that are not available as a specific automatic programme.
- For some automatic programmes, the start or finish time can be delayed using Start at or Finish at.

Automatic programmes

- The individual cooking stages of the automatic programme are listed under the **Show cooking stages** menu option. The **Display actions** menu option is also available for some automatic programmes. You can call up required actions, e.g. placing food in the oven or adding ingredients, via this menu option. During the cooking process, you can view the actions via **i** Info.
- When you place food into the hot oven compartment, be careful when opening the door. Hot steam may escape. Step back and wait until the steam has dissipated. Avoid contact with hot steam, and do not touch the hot oven compartment walls. Danger of burning and scalding.
- If by the end of an automatic programme the food is not cooked enough for your taste, select **Cont. cooking** or **Continue baking**.
- Automatic programmes can also be saved as **User programmes**. To do this, select the **↔** sensor control after an automatic programme has finished.

You can create and save up to 20 of your own programmes.

- You can combine up to 9 cooking stages to accurately programme your favourite or most frequently used recipes. In each cooking stage, you can select settings such as the function, temperature and cooking duration.
- You can enter the name of the programme for your recipe.


When you call up and start your programme again, it will run automatically.

There are different ways of creating a user programme:

- At the end of an automatic programme or special application, save it as a user programme.
- Save a cooking programme after running it with a set cooking duration.

Then enter a programme name.

Creating user programmes

- Select User programmes .
- Select Create programme.

You can now specify the settings for the first cooking stage.

Follow the instructions on the display:

- Select and confirm the settings you want.

If you select the Pre-heat function, first complete the first cooking stage. Use Add cooking stage to then add another cooking stage where you set a cooking duration. Only then can you save or start the programme.

- If required, select Further parameters to switch the Booster and Crisp function functions on or off.
- Select Finish cooking stage.

All settings for the first cooking stage have now been set.

You can add more cooking stages, for example, if you want to add another cooking function to follow on from the first.

- If additional cooking stages are required, select Add cooking stage and proceed as per the first cooking stage.

If you want to check the settings or to change them at a later date, select the cooking stage in question.

- When you have finished setting all the cooking stages, select Save.
- Enter the programme name.
- Select ✓.


User programmes

A message will appear on the display confirming that the programme name has been saved.

- Confirm with *OK*.

You can start the saved programme immediately, delay the start or change the cooking stages.

Starting user programmes


- Place the food in the oven compartment.
- Select User programmes .
- Select the programme you want to use.
- Select *Allow*.


Depending on the programme settings, the following menu options appear on the display:

- Start now
The programme will start immediately. The oven heating will switch on immediately.
- Finish at
Specify the time you want cooking to stop. The oven heating will switch off automatically at the time you have set.
- Start at
Specify the time you want the programme to start. The oven heating will switch on automatically at the time you have set.
- Show cooking stages
A summary of your settings will appear on the display.
- Display actions
The required actions, e.g. placing the food in the oven, will appear on the display.

- Select the menu option you want.


The programme selected will begin straight away or at the time set.

Use  *Info* to display information such as how to place or turn the food depending on the cooking programme.

- At the end of the programme, select the  sensor control.

Changing cooking stages

Cooking stages in automatic programmes that have been saved under a different name cannot be changed.


- Select User programmes .
- Select the programme you want to change.
- Select *Change programme*.
- Select the cooking stage that you want to change or *Add cooking stage* to add another cooking stage.
- Select and confirm the desired settings.
- If you want to start the modified programme without changing it, select *Start programme*.
- Select *Save* when you have changed all the settings.

A message will appear in the display confirming that the programme name has been saved.

- Confirm with *OK*.

The saved programme has been changed and you can start it immediately or delay the start.

Changing the name


- Select User programmes .
- Select the programme you want to change.
- Select Change name.
- Change the programme name.
- Select ✓.

A message will appear in the display confirming that the programme name has been saved.



- Confirm with *OK*.

The programme has been renamed.

Deleting user programmes

- Select User programmes .
- Select the programme you want to delete.
- Select Delete programme.
- Confirm the request with *Yes*.

The programme is deleted.

Go to Further  | Settings  | Factory default | User programmes to delete all user programmes at the same time.

Baking

Handling food carefully will help protect your health.

Cakes, pizzas and french fries should be cooked until golden, not dark brown.

Baking tips

- Set a cooking duration. When baking, the oven should not be set to start a long time off. Otherwise the cake mixture or dough will dry out, and the raising agents will lose their effectiveness.
- Generally speaking, you can use racks, universal trays and any type of baking tray made of heat-resistant material.
- Always place baking tins on the rack.
- Always cook frozen goods such as cakes, pizza or baguettes on the rack.

Very high temperatures can cause the universal tray to distort to such an extent that the tray cannot be taken out of the oven compartment.

- Small items of frozen food such as oven chips or potato croquettes can be cooked on the universal tray. Turn these frozen food items several times during cooking.
- Bake on a maximum of 2 levels at the same time.

Using baking parchment

Miele accessories, e.g. the universal tray, are treated with PerfectClean (see "Cleaning and care"). Surfaces treated with PerfectClean generally do not need to be greased or covered with baking parchment.

- Use baking parchment when cooking:
 - lye mixtures because anything prepared using a lye containing sodium hydroxide can damage the PerfectClean surface
 - mixtures with a high egg white content, such as sponge, meringue and macaroons, as these can easily stick
 - puff pastry or strudel dough
 - frozen food on the rack
 - small items of frozen food such as oven chips or potato croquettes on the universal tray

Tips on baking

- Dark tins are best for baking. Avoid using bright, thin-walled tins as they give an uneven or poor browning result. In certain unfavourable conditions, the food will not cook properly.
- Position rectangular tins with the longer side across the width of the oven compartment for optimum heat distribution and even baking results.
- When cooking frozen food such as chips, croquettes, cakes, pizza and baguettes, select the medium temperature quoted on the manufacturer's packaging.
- If a range is specified for the cooking duration, check whether the food is cooked after the shortest duration. Stick a wooden skewer into the food. If it comes out clean without any batter/dough on it, the food is done.

Notes on the functions

You can find an overview of all the functions with their recommended values in "Main and sub-menus".

Combi mode

This function uses a combination of oven heat and moisture. The addition of steam prevents the surface of the food from drying out. Bread, bread rolls and puff pastry have a shiny and crispy crust.

You can choose between different types of heating:

- Combi Fan plus
- Combi Conventional
- Combi Grill

We recommend baking bread and bread rolls in several cooking stages: the shine is created during the first cooking stage thanks to the injection of steam (maximum moisture, low temperature). Browning takes place in the next cooking stage with high moisture and a high temperature. It is then dried with reduced moisture and a medium to high temperature.

Tip: Recipes and comprehensive cooking charts with information on functions, temperatures, moisture and cooking durations can be found in the Miele combination steam oven cookbook.

Baking

Automatic programmes

Follow the instructions on the display.

Fan plus

Use this function if you are baking on multiple shelves at the same time.

You can use any type of baking tin made of heat-resistant material.

Because the fan distributes the heat around the oven compartment straight away, it allows you to use a lower temperature than you would with the Conventional heat function.

Conventional heat

Use this function for baking traditional recipes. If using an older recipe or cookbook, set the oven temperature 10 °C lower than the recommended one. This will not change the cooking duration.

Only bake on one level. If you are making a tray bake, use level 3. If you are making a cake in a baking tin, select level 2.

Intensive bake

This function is suitable for baking cakes with moist toppings, pizza, quiche, etc. Place the food on shelf level 1.

Bottom heat

Use this function towards the end of cooking to brown the base of the food.

Top heat

Use this function towards the end of cooking to brown the top of the food.

This function is suitable for gratins and for browning bakes.

Cake plus

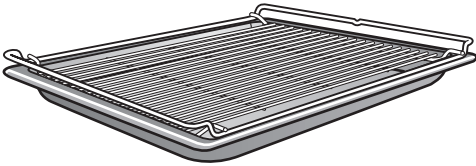
Use this function for baking batter and frozen lye mixtures.

Eco Fan heat

Use this operating mode for cooking small amounts of food, e.g. frozen pizzas or biscuits, while saving energy.

Tips for roasting

- Frozen meat must be defrosted before it is cooked as otherwise it would dry out. Always defrost meat before roasting.
- Remove skin and sinew before roasting.
- Marinate and season the meat to taste.
- If you are cooking several pieces of meat together, use pieces that are similar in size.
- Use the universal tray with the rack placed on top of it. The oven compartment stays cleaner and you can then use the meat juices collected to make a gravy or sauce.




- Allow a standing time of approx. 10 minutes before carving meat. This resting time ensures the meat juices are distributed evenly.

Notes on the functions

You can find an overview of all the functions with their recommended values in “Main and sub-menus”.

Combi mode

This function uses a combination of oven heat and moisture. The addition of steam prevents the surface of the food from drying out. The results are particularly tender and succulent meat with a well-browned outside. Use the Combi mode  function for cooking meat, fish and poultry dishes.

You can choose between different types of heating:

- Combi Fan plus
- Combi Conventional
- Combi Grill

We recommend cooking meat slowly and gently in several cooking stages: at a high temperature during the first cooking stage to brown the surface. The second cooking stage requires increased moisture and a reduced temperature. The meat cooks evenly and the muscle protein is broken down, making the meat particularly tender.

Tip: Recipes and comprehensive cooking charts with information on functions, temperatures, moisture and cooking durations can be found in the Miele combination steam oven cookbook.

Roasting

Automatic programmes

Follow the instructions on the display.

Fan plus

This function is suitable for roasting meat and poultry that needs to be well browned.

Because the fan distributes the heat around the oven compartment straight away, it allows you to use a lower temperature than you would with the Conventional heat function.

Conventional heat

Use this function for baking traditional recipes. If using an older recipe or cookbook, set the oven temperature 10 °C lower than the recommended one. This will not change the cooking duration.

Use the Bottom heat function towards the end of the cooking duration to brown the base of the food.

Do not use the Intensive bake function for roasting as the juices will become too dark.

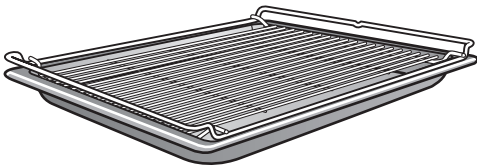
 Risk of injury caused by hot surfaces.

If you open the appliance door during grilling, the control elements will get very hot.

Keep the door closed during the grilling programme.

Grilling tips

- Pre-heating is not necessary when grilling. Place the food in the cold oven compartment.
- Use the universal tray with the rack placed on top of it.



- When grilling fish, place the fish on a piece of baking paper cut to size.
- Grill thick food, e.g. half a chicken, on level 2 or 3 and thin food, e.g. steaks, on level 4.
- Turn the food $\frac{2}{3}$ of the way through the cooking duration. Exception: fish does not need to be turned.

Tips for grilling

- Marinate lean meat or brush it with oil. Do not use other types of fat as they can burn and cause smoke.
- Pierce sausages before grilling.
- It is best to grill food of a similar thickness at the same time so that the grilling time for each item does not vary too greatly.
- To **test the food**, press down on the meat with a spoon. This lets you determine how well the meat has been cooked.
 - **Rare/pink**
If the meat gives easily to the pressure of the spoon, it will still be red on the inside.
 - **Medium**
If there is some resistance, the inside will be pink.
 - **Well done**
If there is very little resistance, it is cooked through.
- To grill thicker pieces of food more gradually after an initial high temperature, continue grilling at a lower temperature setting or use a lower shelf level to allow the food to cook through to the centre.

Grilling

Notes on the functions

You can find an overview of all the functions with their recommended values in “Main and sub-menus”.

Combi Grill

This function is suitable for grilling food that should be brown on the outside, but not dry, e.g. corn on the cob.

Full grill

Use this function to grill flat thin cuts in large quantities and for browning large baked dishes.


Economy grill

Use this function to grill flat thin cuts in smaller quantities and for browning small baked dishes.

Fan grill


This function is suitable for grilling thicker food, such as poultry or rolled meat.

Important information on cleaning and care

 Risk of injury caused by hot surfaces.

The combination steam oven gets hot during operation. You could burn yourself on the heater elements, oven compartment, side runners or accessories.

Allow the heater elements, oven compartment, side runners and the accessories to cool before manual cleaning.

 Risk of injury due to electric shock.

The steam from a steam cleaning appliance could reach live electrical components and cause a short circuit.

Do not use a steam cleaner to clean the combination steam oven.

All surfaces can discolour or alter if unsuitable cleaning agents are used. The front of the combination steam oven is particularly susceptible to damage from oven cleaners or descaling agents.

All surfaces are susceptible to scratching. Scratches on glass can in some circumstances lead to breakage.

Remove all cleaning agent residues immediately.

Stubborn soiling could damage the combination steam oven in certain circumstances.

Once the oven has cooled, clean the oven compartment, the inside of the door and the door seal. Waiting too long can make cleaning unnecessarily difficult and in some cases impossible.

Do not use commercial cleaning agents. Only use agents designed for domestic use.

Do not use cleaning agents or washing-up liquids containing aliphatic hydrocarbons as these could cause the seals to swell.

- The combination steam oven and accessories should be cleaned and dried after each use.
- Leave the appliance door open until the oven compartment is completely dry.

If you mainly steam cook and do not use the *HydroClean* care programme, you should run a cooking process at a temperature above 225 °C at least once a year to remove moisture, including from inaccessible parts of the combination steam oven.

If the combination steam oven is not going to be used for a longer period of time, it should be thoroughly cleaned and dried beforehand to prevent the build-up of odours, etc. Leave the door open afterwards.

Cleaning and care

Unsuitable cleaning agents

To avoid damaging the surfaces of your appliance, do not use:

- Cleaning agents containing soda, ammonia, acids or chlorides
- Cleaning agents containing descaling agents
- Abrasive cleaning agents (e.g. powder cleaners, scouring milk, scouring pads)
- Solvent-based cleaning agents
- Dishwasher cleaning agents
- Glass cleaning agents
- Cleaning agents for ceramic glass hobs
- Hard, abrasive brushes or sponges (e.g. pot scourers, brushes or sponges which have been previously used with abrasive cleaning agents)
- Eraser stain remover blocks
- Sharp metal scrapers
- Steel wool
- Stainless steel spiral pads
- Spot cleaning with mechanical cleaning agents
- Oven cleaners and sprays

Cleaning the front

- Clean the appliance front with a clean, soft sponge and a solution of warm water and washing-up liquid.
- After cleaning, wipe the surfaces dry using a soft cloth.

Tip: A clean, damp microfibre cloth without cleaning agent can also be used.

PerfectClean

The surfaces of the universal tray and the combi rack have been **treated with PerfectClean**. This finish has an iridescent appearance. PerfectClean surfaces have very good anti-stick properties and are easy to clean.

However, it is important to clean the surfaces each time the oven is used. The non-stick properties will deteriorate if soiling is not removed from PerfectClean surfaces after each use. If used frequently without being cleaned, cleaning may become very difficult.

Spilt fruit juices may cause discolouration to the surfaces that cannot be removed. However, this does not affect the properties of the PerfectClean finish.

Always remove all cleaning agent residues to protect the non-stick properties.

To protect the non-stick effect of PerfectClean surfaces, please avoid:

- Abrasive cleaning agents (e.g. powder cleaners, scouring milk, scouring pads)
- Cleaning agents for ceramic glass hobs
- Ceramic and stainless steel cleaner
- Steel wool
- Abrasive sponges, e.g. pot scourers or sponges which have been previously used with abrasive cleaning agents
- Oven spray
- Spot cleaning with mechanical cleaning agents

Do **not** clean PerfectClean accessories in the dishwasher.

Cleaning and care

Oven compartment

It is normal for the oven compartment to have a yellow tinge after prolonged use. This will not affect functionality in any way.

Ensure that no cleaning agent gets into the openings on the oven compartment rear panel.

To make cleaning the oven compartment easy, you can remove the oven door, dismantle the side runners and lower the top heat/grill element.

Cleaning after a programme using steam

■ Remove:

- Condensate using a sponge or absorbent cloth
- Light, greasy soiling with a clean sponge and a solution of washing-up liquid and hot water

■ After cleaning, wipe the surface with clean water to remove any cleaning agent residues.

■ Then dry the oven compartment and the inside of the door with a cloth.

Tip: You can then leave the oven compartment to dry automatically using the Drying care programme (see “Care”).


Cleaning after a roasting, grilling or baking programme

Clean the oven compartment thoroughly after roasting, grilling and baking as otherwise soiling can burn on and in some cases become impossible to remove.

■ Clean the oven compartment and inside of the door with a clean dishwashing sponge, hot water and a little washing-up liquid. You can use the hard surface of a dishwashing sponge to clean the oven compartment if necessary.

■ After cleaning, wipe the surface with clean water to remove any cleaning agent residues.

■ Then dry the oven compartment and the inside of the door with a cloth.

Tip: Soaking the soiling for a few minutes with a solution of washing-up liquid and hot water can make cleaning easier. Alternatively, run the Further  | Maintenance | Soak programme.

In the case of heavy, stubborn soiling, we recommend cleaning the oven compartment with the HydroClean programme (see “Cleaning and care”).

Cleaning the floor filter

- The filter in the floor of the oven should be cleaned and dried after every use.
- Vinegar can be used to remove discolouration and limescale deposits from the filter in the floor of the oven. Rinse thoroughly with clean water afterwards.

Cleaning the door seal

The door seal may become brittle and tear on account of contact with grease residues.

Clean the door seal after every roasting, grilling or baking programme.

- Clean the door seal using a clean, damp microfibre cloth without any cleaning agent. You can also use a clean absorbent cloth and warm water with a little washing-up liquid.
- After cleaning, dry the seal with a soft cloth.
- Check that the door seal is fitted correctly.
If necessary, press the door seal in all the way round the door to make sure it is installed snugly and evenly.

If the door seal is damaged, e.g. cracked, the seal needs to be replaced. Contact your Miele dealer. Do not cook with steam or clean using the HydroClean care programme until you replace the seal.

Cleaning the water container and condensate container

The water container and condensate container are suitable for cleaning in a dishwasher.

- Remove the water container and condensate container after every use. Remove the water container and condensate container by pushing them upwards slightly.
- Empty the water container and condensate container.

Water can drip into the water container and condensate container compartment when removing the containers.

- Dry the compartment if necessary.
- Rinse the water container and condensate container by hand or in the dishwasher.
- Then dry the water container and condensate container with a cloth to prevent limescale.

Cleaning and care

Accessories

Cleaning the universal tray and combi rack

The surfaces of the universal tray and the combi rack have been treated with PerfectClean.

Please see “PerfectClean” in the “Cleaning and care” chapter for instructions on cleaning.


- Remove:
 - light soiling with a clean sponge and a solution of washing-up liquid and hot water
 - stubborn soiling with a clean dishwashing sponge, hot water and a little washing-up liquid. If necessary, you can also use the rough side of the sponge.
- After cleaning, wipe the surface with clean water to remove any cleaning agent residues.
- Then dry the surfaces using a cloth.

Cleaning cooking containers

The cooking containers are suitable for cleaning in a dishwasher.

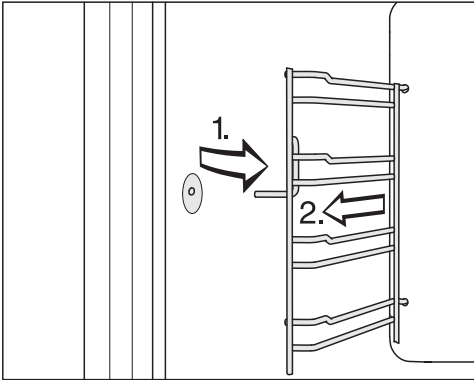
- Wash and dry the cooking containers after each use.
- Any bluish discolouration on cooking containers can be removed with vinegar. Rinse with clean water.

Cleaning the side runners

 Risk of injury caused by hot surfaces.

The combination steam oven gets hot during operation. You could burn yourself on the heater elements, oven compartment or accessories.

Allow the heater elements, oven compartment and accessories to cool before removing the side runners.



- Pull the side runners out of holder (1.) from the front and remove them (2.).

- Remove:

- Light soiling with a clean sponge and a solution of washing-up liquid and hot water
 - Stubborn soiling with a clean dishwashing sponge, hot water and a little washing-up liquid. If necessary, you can also use the rough side of the sponge.
- After cleaning, wipe the surface with clean water to remove any cleaning agent residues.
 - Then dry the side runners with a cloth.

Reassemble by following these instructions in reverse order.

- Refit the side runners carefully.

If the side runners are not correctly inserted, there is no anti-tip protection. The temperature sensor could also be damaged when cooking containers are placed in the steam oven.

Cleaning and care

Lowering the top heat/grill element

If the ceiling of the oven is badly soiled, the top heat/grill element can be lowered by approx. 5 cm to make cleaning easier.

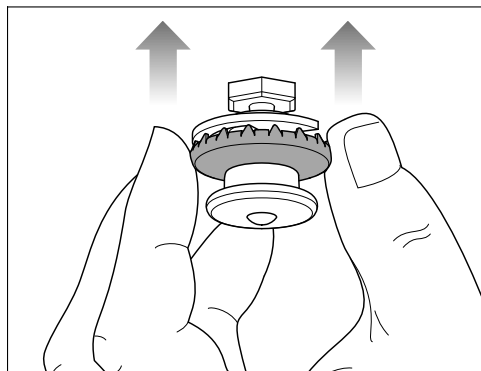
⚠ Risk of injury caused by hot surfaces.

The combination steam oven gets hot during operation. You could burn yourself on the heater elements, oven compartment, side runners or accessories.

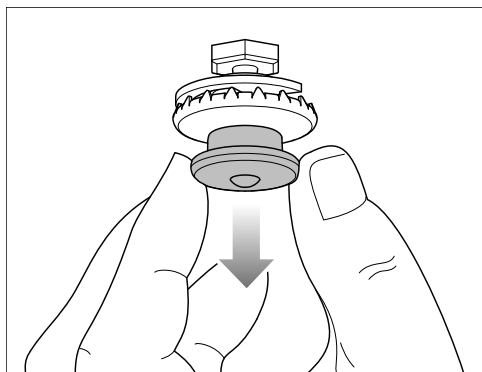
Allow the heater element, oven compartment, side runners and the accessories to cool before cleaning.

Be careful not to damage the top heat/grill element.

Never use force when pulling down the top heat/grill element.



- After cleaning, push the top heat/grill element back up using the outer ring of the pressure cap. Make sure the pressure cap engages correctly.




- Carefully pull down the pressure cap. The top heat/grill element then lowers automatically.
- Clean the ceiling of the oven with a sponge cloth or a dishwashing sponge (see “Cleaning and care” – “Oven compartment”).

Maintenance

The Finish at and Start at functions are not available with maintenance programmes.

Soak


Stubborn soiling can be soaked using this maintenance programme.

- Allow the oven compartment to cool down.
- Take all accessories out of the oven compartment.
- Remove coarse soiling with a cloth.
- Select Further  | Maintenance | Soak.

The soaking process takes approx. 10 minutes.

Drying

This maintenance programme can be used to dry any residual moisture in the oven compartment, including in inaccessible areas.

- Dry the oven compartment with a cloth.
- Select Further  | Maintenance | Drying.

The drying process takes approx. 20 minutes.

Rinsing

The water-carrying system is rinsed out during this maintenance programme. Any remaining food deposits are rinsed away.

- Select Further  | Maintenance | Rinse.
- Follow the instructions on the display.

The rinsing process takes approx. 10 minutes.

Descaling

We recommend using Miele descaling tablets (see “Optional accessories”) to descale the appliance. These have been specially developed for use with Miele appliances to optimise the descaling process. Other descaling agents, which contain other acids besides citric acid and/or other undesirable substances, such as chlorides for example, could cause damage to the product. Moreover, the descaling result required could not be guaranteed if the descaling solution was not of the appropriate concentration.

Do not spill descaling agent onto metal surfaces. This can cause marks to appear.

However, should any descaling agent get onto these surfaces, wipe it away immediately.

The combination steam oven has to be descaled after a certain operating time. When the time comes to descale the steam oven, the number of cooking processes remaining lights up on the display. It only counts the number of cooking processes that use steam. The combination steam oven will be disabled after the last remaining cooking process.


We recommend descaling the combination steam oven before it is disabled.

Descaling takes approx. 41 minutes.


During the descaling process, the water container must be rinsed out and refilled with fresh water. The condensate container needs to be emptied.

Cleaning and care

Carrying out the descaling process

- Take all accessories out of the oven compartment.
- Select **Descal** .

The message **Please wait** will appear on the display. The descaling process is being prepared. This may take a few minutes. As soon as the appliance is ready, you will be prompted to add descaling agent to the water container.

- Fill the water container with lukewarm water up to the level marker  and drop 2 Miele descaling tablets in it.
- Wait until the descaling tablets have dissolved.
- Push the water container into the appliance.
- Confirm with *OK*.
- Empty the condensate container.
- Confirm with *OK*.

The time left will appear on the display. The descaling process will now begin.

Do not switch the combination steam oven off during the descaling process, otherwise the whole process will have to be started from the beginning again.

During the descaling process, the water container must be rinsed out and refilled with fresh water. The condensate container needs to be emptied.

- Follow the instructions on the display.

Once the time left has elapsed, **Finished** appears on the display and a buzzer sounds.

Finalising the descaling process

- Remove the water container and condensate container and empty them as required.
- Clean and dry the water container and condensate container.
- Switch the combination steam oven off.
- Open the door and let the oven compartment cool down.
- Then dry the oven compartment.
- Leave the appliance door open until the oven compartment is completely dry.

HydroClean


Instead of cleaning the oven compartment manually you can run the HydroClean care programme. Odours after preparing fish as well as heavy, stubborn soiling caused by roasting and grilling, for example, can be removed easily with this programme.

We recommend using HydroClean to clean the combination steam oven four times a year. You can also clean more frequently than this if required.

Only use Miele HydroCleaner when cleaning with HydroClean. This cleaning agent has been specially developed for your combination steam oven.

Other cleaning products may damage your combination steam oven.

1 bottle of Miele HydroCleaner is supplied with your combination steam oven. Additional bottles of HydroCleaner can be purchased from the Miele online shop or your Miele dealer.

 Risk of injury caused by cleaning agent.

HydroCleaner causes skin and severe eye irritation.

Avoid contact with skin and eyes.

In case of contact, rinse immediately with plenty of water and seek medical attention if eye irritation persists.

Keep HydroCleaner out of the reach of children.

Always use the entire contents of 1 bottle of HydroCleaner (125 ml), regardless of the degree of soiling. The cleaning agent quantity of 125 ml is designed for the entire cleaning process and must not be changed.

You can choose between 3 levels of cleaning with different durations:

- **Degree of soiling 1** for light, barely visible soiling and odours, e.g. after preparing fish or cabbage.

Duration: approx. 1 hour 57 minutes

- **Degree of soiling 2** for visible, but not badly burnt-on soiling, e.g. dripped pizza cheese, spilled fruitcake.

Duration: approx. 3 hours 17 minutes

- **Degree of soiling 3** for heavy soiling from various types of food that has been burnt on over a long period of time and after cooking a roast chicken, for example.

Duration: approx. 4 hours 17 minutes

Cleaning and care

Sequence of a cleaning process

HydroClean takes place in several phases:

1. Preparation
2. Cleaning phase
3. Wash phase
4. Subsequent manual cleaning
5. Drying phase

You will be guided through the entire cleaning process by the combination steam oven. To prepare for the process, you will be prompted, for example, to remove accessories from the oven compartment and to pour the cleaning agent through the floor filter.


The cleaning phase will begin when all preparations have been completed. The door will lock automatically. The cleaning agent is mixed with fresh water and sprayed across the entire oven compartment via the distribution wheel on the ceiling of the oven. This procedure is repeated multiple times.

The wash phase starts when the time left is approx. 1 hour 20 minutes. Any remaining dirt or cleaning agent residues are rinsed from the oven compartment. At the start and during this phase, the water container will need to be filled with fresh water multiple times and the condensate container will need to be emptied.

The last phase is the drying phase. This begins when the time left is approx. 30 minutes. To remove coarser residual soiling, the oven compartment must be wiped out with a damp cloth before starting the drying phase.

The cleaning process is cancelled if the combination steam oven is switched off. The combination steam oven automatically performs the wash and drying phase once it is switched back on to remove any cleaning agent residues. Normal operation is only possible once this has been completed (see also “What to do if ...” –“Messages on the display”).

Preparing for and starting the cleaning process

- Select Further  | Maintenance.
- Select HydroClean.
- Select the level of cleaning required according to the degree of soiling.
- Confirm with *OK*.

Please wait appears. Preparation for cleaning is underway. This may take a few minutes. As soon as the appliance is ready, you will be prompted to remove accessories and the side runners.

- Take all accessories out of the oven compartment.
- Remove the side runners (see “Cleaning the side runners”).
- Confirm with *OK*.
- Lower the top heat/grill element (see “Lowering the top heat/grill element”).
- Remove coarse soiling from the oven compartment and from underneath the floor filter.
Make sure that dirt does not get into the drain hose.
- Confirm with *OK*.
- Check that the floor filter is fitted correctly.

- Pour the entire contents of 1 bottle of HydroCleaner through the floor filter. Make sure that no cleaning agent gets onto the door glass or seal.
- Confirm with *OK*.
- Close the door.

Distilled or carbonated water or other liquids could damage the combination steam oven.

Only use cold, fresh drinking water.

- Rinse the water container and fill it up to the maximum marker.
- Place the water container into the compartment and confirm with *OK*.
- Empty the condensate container.
- Place the condensate container into the compartment and confirm with *OK*.

The cleaning process begins.

The time left appears on the display.

The door will lock automatically a few seconds after the process has started.

Tip: You can display the approximate time before actions need to be performed again, e.g. topping up the fresh water, by pressing **i** Info.

At the start and during the wash phase, the water container will need to be filled with fresh water three times and the condensate container will need to be emptied.

- Always follow the instructions on the display.

Before the drying phase starts, the door is unlocked again and you are prompted to wipe the oven compartment and the inside of the door with a damp cloth:

- Wipe the oven compartment (including underneath the floor filter) and the inside of the door thoroughly with a clean, damp microfibre or absorbent cloth.
- Confirm with *OK*.
- To ensure that the combination steam oven is working at its best, check the drip channel and remove any water if necessary.

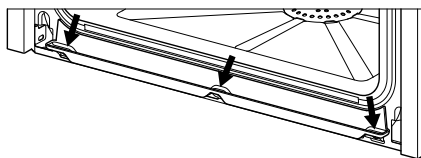
 Damage due to leaking water.

Leaking water can damage the housing unit and the floor.

If there is water in the drip channel, check that the door seal is fitted correctly.

If necessary, press the door seal in all the way round the door to make sure it is installed snugly and evenly.

In very adverse circumstances, water may have accumulated in the drip channel up to the height of the plateaus:



If this happens, contact your Miele dealer.

- Raise the top heat/grill element (see “Lowering the top heat/grill element”).
- Insert the side runners (see “Cleaning the side runners”).
- Place the accessories in the oven compartment.
- Confirm with *OK*.
- Close the door.


Cleaning and care

- Rinse the condensate container.
- Place the condensate container into the compartment and confirm with *OK*.

Once the time left has elapsed, *Finished* appears on the display and a buzzer sounds.

Completing the cleaning process

- Switch the combination steam oven off.

 Risk of injury caused by hot surfaces.

The combination steam oven gets hot during operation. You could burn yourself on the heater elements, oven compartment or accessories.

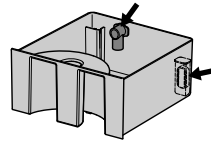
Allow the heater elements, oven compartment and accessories to cool down before removing any residue and limescale.

- Once the oven compartment has cooled down, remove any residue from the inside of the door, the drip channel and the door seal with a clean, damp microfibre or absorbent cloth.

Tip: Discolouration and limescale in the oven compartment can be removed using a diluted vinegar solution or DGClean (see “Optional accessories”). Then wipe with clean water.

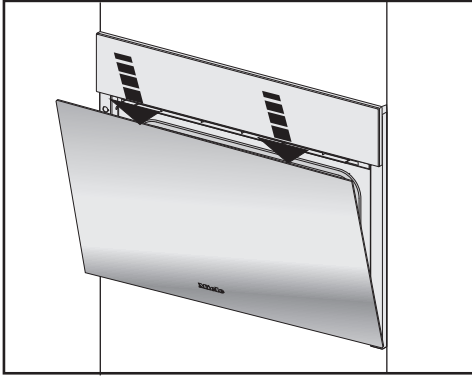
- Dry the oven compartment and the inside of the door with a cloth.
- Leave the appliance door open until the oven compartment is completely dry.

We recommend cleaning the condensate container by hand or in the dishwasher before the next cooking process (see “Cleaning the water container and condensate container”). Then check the drain socket is positioned correctly and that the float switch is moving freely:



Removing the door

- Prepare a suitable underlay for the door, such as a soft cloth.
- Open the door a fraction.

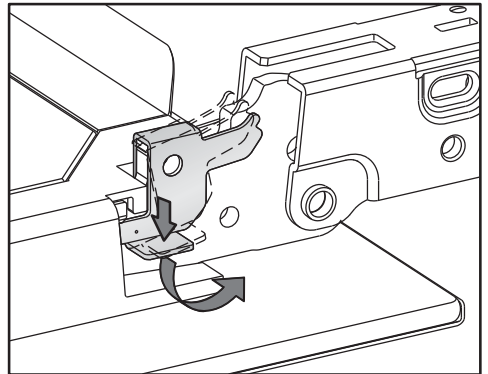


- Using both hands, press down on the top edge of the door briefly.

The oven door is connected to the door hinges by retainers. Before removing the door from the retainers, the locking clamps on both door hinges have to be released.



- Open the door fully.



- Release the locking clamps on the hinges by turning them upwards as far as they will go until they are at an angle.

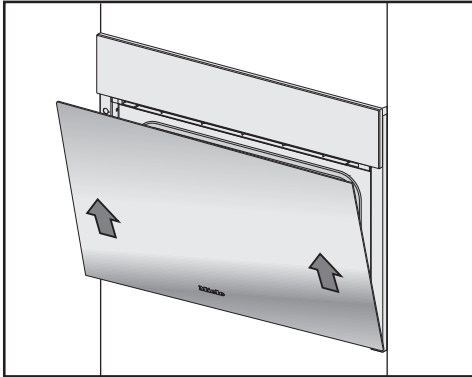
The combination steam oven could become damaged if you incorrectly remove the door.

Never pull the door horizontally off its retainers, as they will spring back against the combination steam oven.

Never pull the door off the retainers by the handle, as the handle could break off.

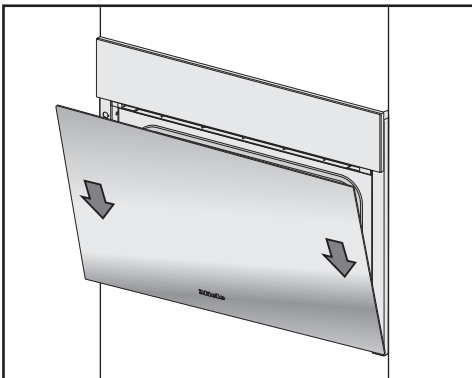
- Raise the door up until it rests partially open.

Cleaning and care



- Hold the door securely at both sides and lift it evenly upwards off the hinge retainers. Make sure that the door is straight.
- Place the door on the previously prepared surface.

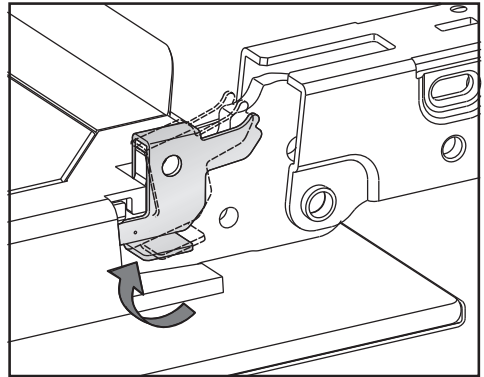
Fitting the door



- Hold the door securely on both sides and carefully fit it back into the door hinge retainers. Make sure that you fit the door straight.
- Open the door fully.

If the locking clamps are not locked, the door could become loose, resulting in damage.

Always ensure that the locking clamps are locked after refitting the door.



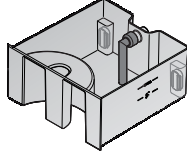
- To relock the locking clamps, turn them back up to the horizontal position as far as they will go on both door hinges.

Problem solving guide

Many malfunctions and faults that can occur in daily operation can be easily remedied. You can save time and money in many cases, as you do not need to call the the Miele dealer.

The following tables are designed to help you to find the cause of a malfunction or a fault and to resolve it.

Messages on the display

Issue	Cause and remedy
F10	<p>The suction hose in the water container is not inserted correctly or not vertical.</p> <ul style="list-style-type: none">■ Correct the position of the suction hose: 
F11 F20	<p>The drain hoses are blocked.</p> <ul style="list-style-type: none">■ Descale the combination steam oven (see “Cleaning and care” – “Care”).■ If the fault message appears again, contact your Miele dealer.
F32	<p>The door has not locked for cleaning with HydroClean.</p> <ul style="list-style-type: none">■ Switch the combination steam oven off and back on again.■ If the fault message appears again, contact your Miele dealer.
F55	<p>The maximum operating time for an operating mode has been exceeded and the auto switch off has been triggered.</p> <ul style="list-style-type: none">■ Switch the combination steam oven off and back on again. <p>The combination steam oven is ready to use again immediately.</p>
F138	<p>The combination steam oven is leaking. Water has run into the floor tray.</p> <ul style="list-style-type: none">■ Switch the combination steam oven off and back on again.■ If the fault message appears again, contact your Miele dealer.


Problem solving guide

Issue	Cause and remedy
F196	<p>There is a fault.</p> <ul style="list-style-type: none"> ■ Switch the combination steam oven off and back on again. <p>The filter in the floor of the oven compartment is not inserted.</p> <ul style="list-style-type: none"> ■ Switch the combination steam oven off. ■ Insert the floor filter. ■ Switch the combination steam oven back on again. ■ If the fault message appears again, contact your Miele dealer.
<p>“HydroClean” continued appears when the machine is switched on.</p>	<p>The cleaning process has been cancelled due to a power cut or because the appliance has been switched off.</p> <p>The combination steam oven automatically performs the wash and drying phase once it is switched back on to remove any cleaning agent residues. This process takes approx. 1 hour 30 minutes. After a cancellation during the drying phase, the process takes approx. 30 minutes.</p> <p>Normal operation of the combination steam oven is only possible once this has been completed.</p> <ul style="list-style-type: none"> ■ Follow the instructions on the display. <p>Note that the cleaning result is not optimal.</p>
<p>A message not listed in this table is appearing on the display.</p>	<p>There is an electronic module fault.</p> <ul style="list-style-type: none"> ■ Disconnect the power supply to the combination steam oven for approx. 1 minute. ■ If the problem persists after the power supply has been restored, please contact your Miele dealer.

Unexpected behaviour

Issue	Cause and remedy
<p>The oven compartment does not heat up.</p>	<p>Demo mode is activated. The combination steam oven can be operated, however the heating elements will not work.</p> <ul style="list-style-type: none"> ■ Deactivate demo mode (see “Settings” – “Showroom programme”).
	<p>The oven compartment has been warmed up by the warming drawer in operation underneath it.</p> <ul style="list-style-type: none"> ■ Open the door and let the oven compartment cool down.
<p>After moving house, the combination steam oven no longer switches from the heating-up phase to the cooking phase.</p>	<p>The boiling temperature of the water has changed as the altitude of the new location for the appliance differs from the old one by at least 300 m.</p> <ul style="list-style-type: none"> ■ To adjust the boiling temperature, you need to descale the appliance (see “Cleaning and care” – “Care”).
<p>During operation, an unusually high amount of steam leaks out or steam leaks out from different places to usual.</p>	<p>The door is not closed properly.</p> <ul style="list-style-type: none"> ■ Close the door.
	<p>The door seal is not correctly installed.</p> <ul style="list-style-type: none"> ■ Press the door seal in all the way round the door to make sure it is installed snugly and evenly.
	<p>The door seal is damaged, e.g. cracked.</p> <ul style="list-style-type: none"> ■ Call your Miele dealer to replace the door seal. ■ Do not cook with steam or clean using HydroClean until you replace the seal.
<p>During cleaning with HydroClean, water has accumulated in the drip channel up to the level of the plateaus.</p>	<p>The combination steam oven is leaking.</p> <ul style="list-style-type: none"> ■ Remove the water and, if necessary, continue the cleaning process until the end. ■ Contact your Miele dealer.
<p>The Start at and Finish at functions are not available.</p>	<p>The temperature in the oven compartment is too high, e.g. after a programme has finished.</p> <ul style="list-style-type: none"> ■ Open the door and let the oven compartment cool down.
	<p>These functions are not generally available in maintenance programmes.</p>

Problem solving guide

Issue	Cause and remedy
The sensor controls do not respond.	<p>You have selected the Display QuickTouch Off setting. When the combination steam oven is switched off, the sensor controls do not respond.</p> <ul style="list-style-type: none">■ As soon as the combination steam oven is switched on, the sensor controls will respond. If you want the sensor controls to always respond even when the combination steam oven is switched off, select the Display QuickTouch On setting.
	<p>The combination steam oven is not connected to the power supply.</p> <ul style="list-style-type: none">■ Check that the oven plug is correctly inserted into the socket and switched on.■ Check whether the fuse has tripped. Contact a qualified electrician or your Miele dealer.
	<p>There is a fault with the controls.</p> <ul style="list-style-type: none">■ Touch and hold the  On/Off sensor control until the display switches off and the combination steam oven restarts.

Noises


Issue	Cause and remedy
A humming sound can be heard during operation and after switching off the combination steam oven.	This noise does not indicate incorrect operation or an appliance fault. The noise is made by water being pumped through the system.
The fan can still be heard after the appliance has been turned off.	The fan continues to run. The combination steam oven is equipped with a fan that diverts vapours from the oven compartment outside. The fan continues to run after the combination steam oven has been turned off. The fan will turn off automatically after a short while.

Unsatisfactory results

Issue	Cause and remedy
Cakes and biscuits are not cooked properly after following the durations given in the recipe.	The temperature set is not the same as the one given in the recipe. ■ Change the temperature.
	The recipe has been altered. For example, adding more liquid or eggs can increase the cooking duration required. ■ Adapt the temperature and/or cooking duration to the altered recipe.
Cakes or biscuits are unevenly browned.	The set temperature was too high.
	More than two levels were used for baking. ■ Bake on a maximum of two levels.
There is still soiling in the oven after the HydroClean programme.	The level of cleaning chosen was too low. ■ If necessary, start HydroClean again with a higher level of cleaning.
	The oven compartment was not wiped out at all or only superficially before the start of the drying phase. ■ Start HydroClean again if necessary. ■ When the corresponding prompt appears on the display, wipe the oven compartment thoroughly with a damp cloth.

Problem solving guide

General problems or technical faults

Issue	Cause and remedy
The combination steam oven cannot be switched on.	The circuit breaker has tripped. ■ Reset the trip switch in the circuit breaker box (see data plate for minimum protection rating).
	There may be a technical fault. ■ Disconnect the combination steam oven from the electrical supply for approx. 1 minute by: – Tripping the relevant mains fuse or unscrewing the fuse completely, or – Switching off the residual current device ■ If, after resetting the trip switch in the mains fuse box or the residual current device, the combination steam oven will still not turn on, contact a qualified electrician or your Miele dealer.
The oven interior lighting is not working.	The lamp is defective. ■ Contact your Miele dealer to have the lamp replaced.
The control panel will not open or close automatically despite touching the  sensor several times.	Something is obstructing the control panel. ■ Remove the obstruction.
	The obstruction sensor is very sensitive and can prevent the panel opening or shutting if it picks up a signal. ■ Open/close the control panel manually (see end of this section) ■ If the problem occurs again, contact your Miele dealer.

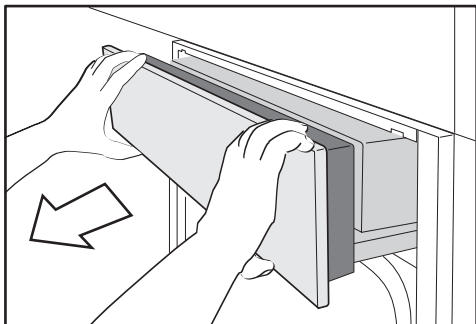
Problem solving guide

Issue	Cause and remedy
HydroCleaner (cleaning agent) has been put in the water container.	<p>The instructions on the display were not followed. To achieve an optimum cleaning result, the individual steps of the cleaning process are coordinated with each other. Always follow the instructions in the display (see “Cleaning and care – Care”).</p> <p>If the cleaning process with HydroClean has not yet started:</p> <ul style="list-style-type: none">■ Switch the combination steam oven off to cancel the cleaning process.■ Empty the water container and rinse it thoroughly.■ Restart HydroClean. <p>If the cleaning process has already been performed with HydroClean:</p> <p>In the wash phase, the entire system is rinsed several times with fresh water. After the cleaning process is complete, all cleaning agent residue is removed.</p> <ul style="list-style-type: none">■ Start HydroClean again if necessary.

Problem solving guide

Opening the control panel manually

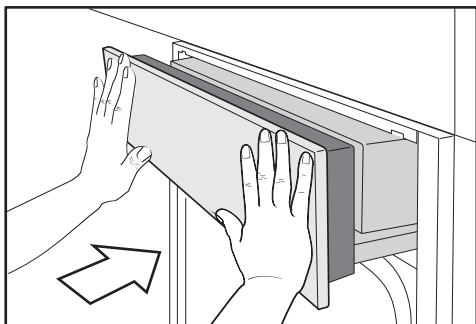
- Carefully open the door.



- Take hold of the control panel at the top and bottom.
- Pull the control panel forwards and out first.
- Carefully push the control panel upwards.

Closing the control panel manually

- Take hold of the control panel at the top and bottom.
- Carefully push the control panel downwards.



- Push the control panel in.

Miele offer a comprehensive range of useful accessories as well as cleaning and conditioning products for your Miele appliances.

These can be ordered from your Miele dealer (see end of this booklet for contact details).

Containers

Miele offers a wide range of cooking containers. These have all been optimised for Miele appliances in terms of functionality and dimensions. For detailed information on each of our products contact your Miele dealer.

- Perforated cooking containers in various sizes
- Solid cooking containers in various sizes
- Gourmet oven dishes in various sizes
- Lids for Gourmet oven dishes

Other

- Baking trays
- Round baking tin
- FlexiClip runners HFC 71
- Holding rack for cooking containers with a width of 325 mm

Cleaning and care products

- HydroCleaner
Special cleaning agent for cleaning the oven compartment with the HydroClean care programme. Particularly suitable for removing heavy, stubborn soiling.
- DGClean
Special cleaning agent for manually removing stubborn soiling from the oven compartment, particularly after roasting.
- Descaling tablets (6)
- All-purpose microfibre cloth
For removing finger marks and light soiling

Service

Information to help you rectify faults yourself and about Miele spare parts can be found at www.miele.com/service.

Contact in case of malfunction

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

Contact details for your Miele dealer are given at the end of this document.

Please note that telephone calls may be monitored and recorded for training purposes and that a call-out charge will be applied to service visits where the problem could have been resolved as described in this booklet.


Please quote the model and serial number of your appliance when contacting your Miele dealer. This information can be found on the data plate.

When the appliance is installed, the model identifier and the serial number can be found on the small plate at the top on the opened control panel.

Guarantee

For information on the appliance guarantee specific to your country please contact your Miele dealer. See end of this booklet for contact details.

Safety instructions for installation

 Risk of damage from incorrect installation.

Incorrect installation can cause damage to the combination steam oven.

The combination steam oven must only be installed by a specialist.

- ▶ The connection data (voltage and frequency) on the data plate of the combination steam oven must match the electrical supply in order to avoid the risk of damage to the oven. Compare this data before connecting the appliance. If in any doubt, consult a qualified electrician.
- ▶ Multi-socket adapters and extension leads do not guarantee the required safety of the appliance (fire hazard). Do not use these to connect the combination steam oven to the electrical supply.
- ▶ The socket should be easily accessible after the combination steam oven has been installed.
- ▶ The combination steam oven must be positioned so that you can see the contents of a cooking container placed on the top shelf level. Otherwise there is a risk of injuries due to spillages of hot food.

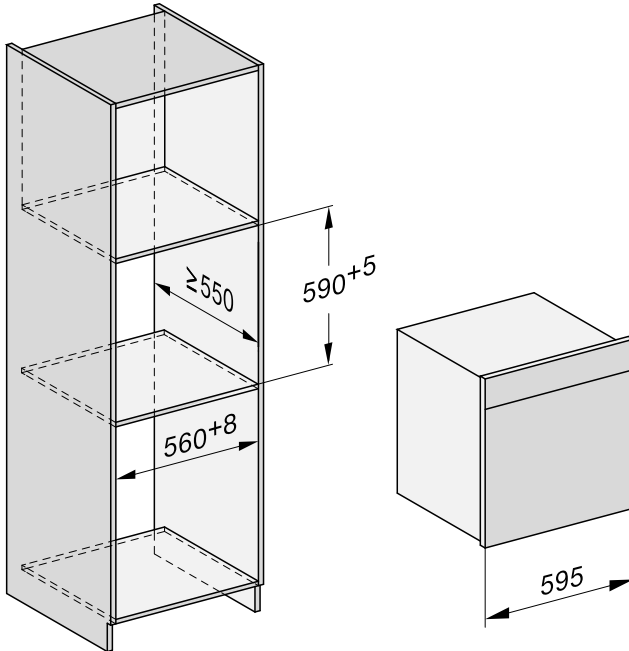
Installation

Building-in dimensions

All dimensions are given in mm.

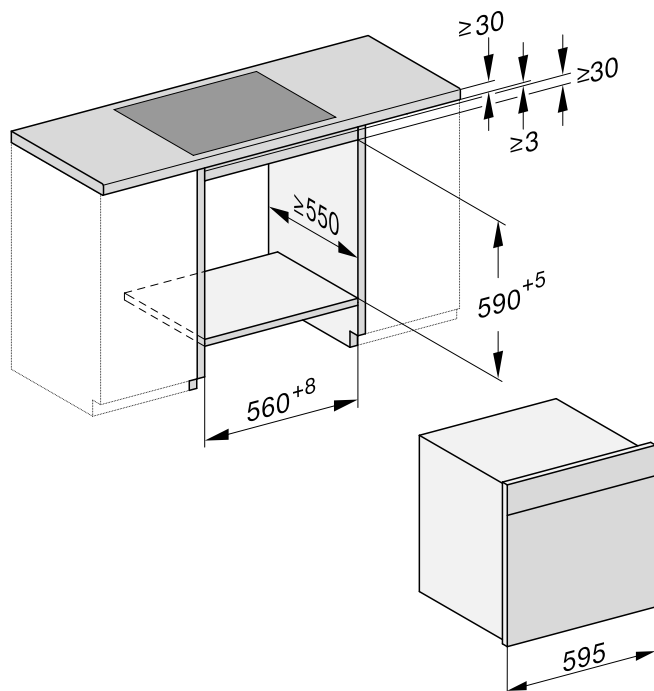
Installation in a tall unit

The furniture housing unit must not have a back panel fitted behind the building-in niche.



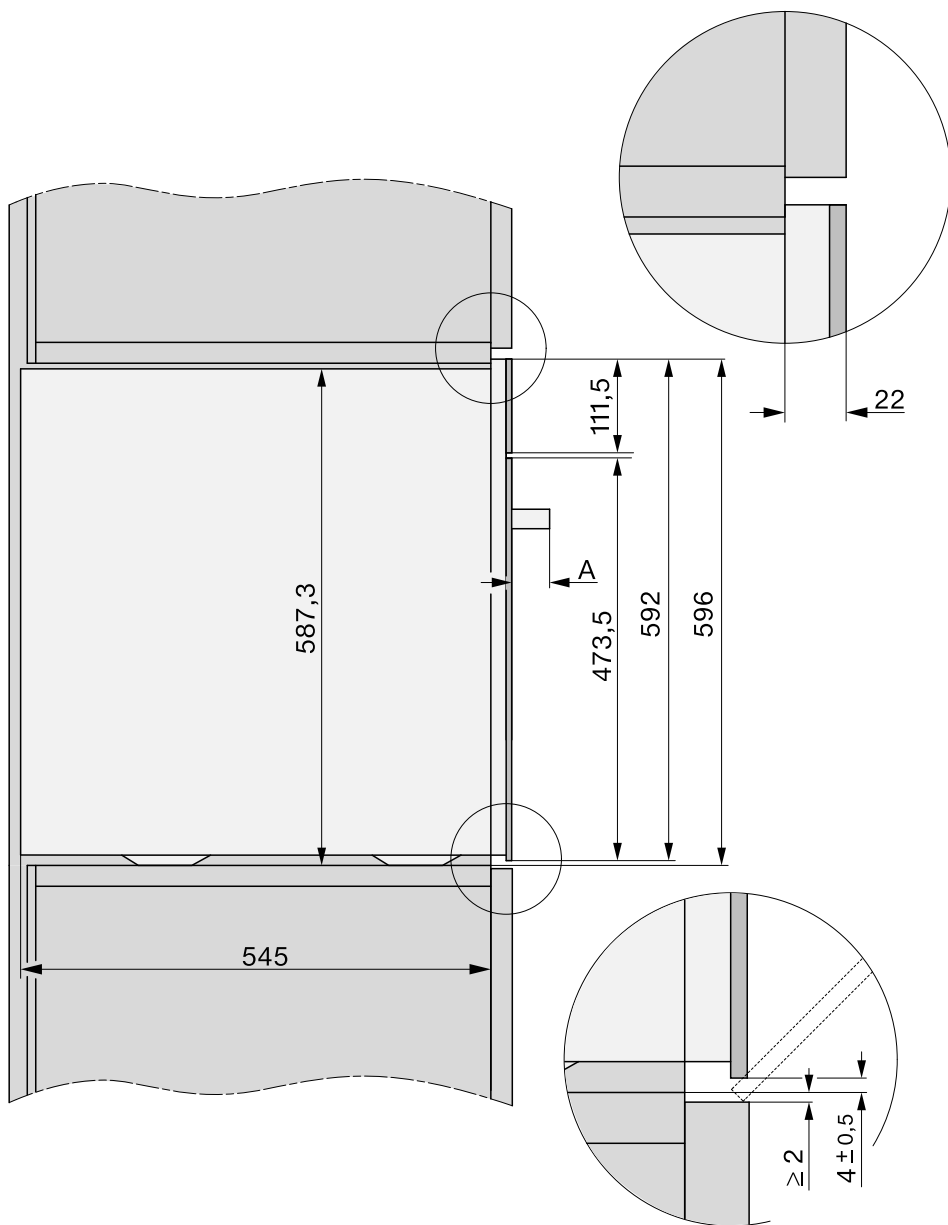
Installation in a base unit

The furniture housing unit must not have a back panel fitted behind the building-in niche.



Installation

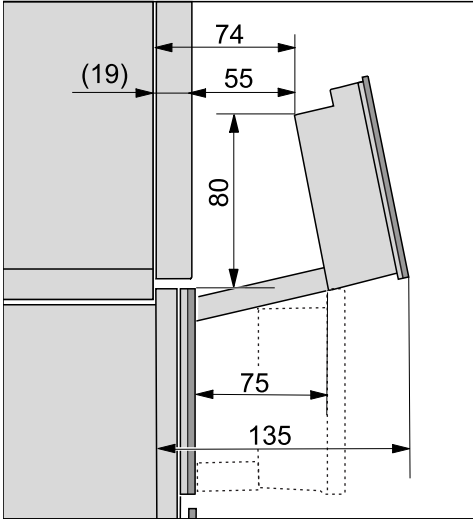
Side view



A DGC 74xx: 47 mm

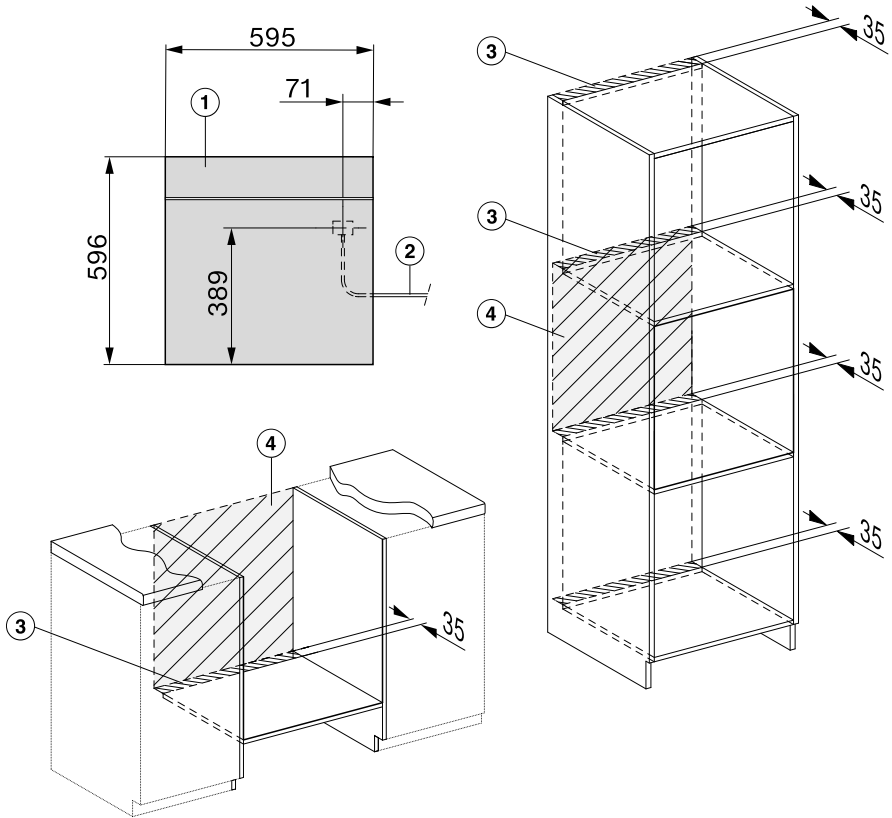
Swivel range for control panel

The area in front of the control panel must not be blocked by anything (such as a door handle) that would hinder it from opening and closing.



Installation

Connection and ventilation



- ① Front view
- ② Mains connection cable, L = 2.000 mm
- ③ Ventilation cut-out, min. 180 cm²
- ④ No connections permitted in this area

Installing the combination steam oven

- Connect the mains connection cable to the combination steam oven.

Risk of damage from incorrect transportation.

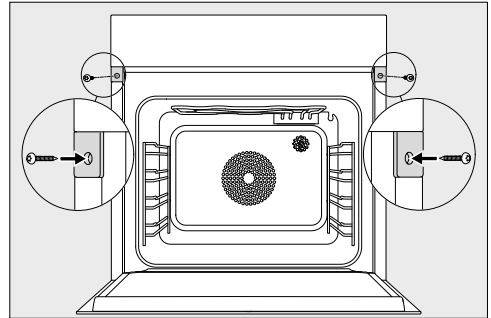
Carrying the combination steam oven by the door handle could damage the door.

Use the handle cut-outs on the side of the casing to lift the appliance.

The steam generator may malfunction if the combination steam oven is not on a level surface.

The maximum deviation from the horizontal that can be tolerated is 2°.

- Push the combination steam oven into the building-in niche and align it. When doing so make sure that the mains connection cable does not get trapped or damaged.
- Open the door.



- Secure the combination steam oven to the side walls of the cabinet using the wood screws included (3.5 x 25 mm).
- Connect the combination steam oven to the electrical supply.
- Check all functions of the combination steam oven are working correctly in accordance with the operating instructions.

Installation

Electrical connection

If the mains connection cable is supplied with a plug, connect the combination steam oven to the electrical supply using a suitable electrical socket. This makes it easier to perform servicing work. The socket must be easily accessible after the combination steam oven has been installed.



Risk of damage from incorrect connection.

Installation, repairs and other work by unqualified persons could be dangerous. Miele cannot be held liable for unauthorised work.

Miele cannot be held liable for damage or injury caused by the lack of or inadequacy of an on-site earthing system (e.g. electric shock).


If the plug is removed from the mains connection cable or if the mains connection cable is supplied without a plug, the combination steam oven must be connected to the electrical supply by a qualified electrician.

If the socket is no longer accessible, or if a hard-wired connection is installed, an additional means of disconnection must be provided for all poles. A suitable means of disconnection would include switches with an all-pole contact gap of at least 3 mm. These include circuit breakers, fuses and contactors. The required connection data is provided on the data plate.

Please ensure that these details match the electrical supply.

After installation, ensure that all electrical components are shielded and cannot be accessed by users.

The electrical installation must comply with BS 7671 requirements.

For safety reasons, we recommend using a type  residual current device (RCD) in the relevant electrical installation for connecting the combination steam oven.

These operating instructions and the data plate indicate the nominal power consumption and the appropriate fuse rating. Compare this information with the data of the on-site electrical connection.

If in any doubt, consult a qualified electrician.

Temporary or permanent operation on an autonomous power supply system or a power supply system that is not synchronised with the mains power supply (e.g. island networks, back-up systems) is possible. A prerequisite for operation is that the power supply system complies with the specifications of EN 50160 or an equivalent standard.

The function and operation of the protective measures provided in the domestic electrical installation and in this Miele product must also be maintained in isolated operation or in operation that is not synchronised with the mains power supply, or these measures must be replaced by equivalent measures in the installation. As described, for example, in the current version of BS OHSAS 18001–2 ISO 45001.

Total power rating


See data plate

Connection data

The connection data is quoted on the data plate. Please ensure these match the household mains supply.


Please see wiring diagrams for connection.

Replacing the mains connection cable

 Risk of electric shock.
Incorrect connection to the power supply may result in an electric shock.
The mains cable must only be replaced by a qualified electrician.

When replacing the mains cable only use cable type H 05 VV-F (PVC insulated) with a suitable cross section. A suitable connection cable is available from your Miele dealer.

Disconnecting from the mains

 Risk of electric shock from mains voltage.
There is a risk of electric shock if the appliance is reconnected to the mains voltage supply during repair or service work.
After disconnection, ensure the appliance cannot be switched back on by mistake.

To disconnect the combination steam oven from the mains power supply, do one of the following depending on installation:

Safety fuses

- Completely remove the fuse links from the screw caps.

Automatic circuit breakers

- Press the test button (red) until the middle button (black) springs out.

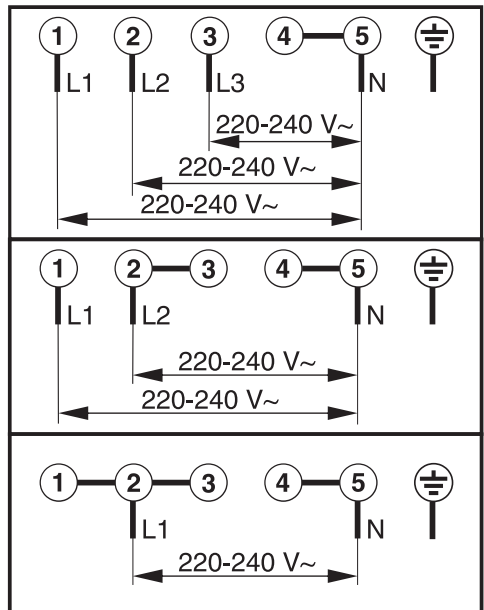
Built-in circuit breakers

- For circuit breakers of at least type B or C, switch the lever from 1 (on) to 0 (off).

Residual current device

- Residual current device: switch the main switch from 1 (on) to 0 (off) or press the test button.

Wiring diagram



WARNING
THIS APPLIANCE MUST BE
EARTHED

Copyrights and licences for the communication module

For the purpose of operating and controlling the communication module, Miele uses proprietary or third-party software that is not covered by open source licensing terms. These items of software/software components are protected by copyright. The copyrights held by Miele and third parties must be respected.

Furthermore, this communication module contains software components which are distributed under open source licence conditions. The open source components contained in the appliance along with the corresponding copyright notices, copies of the licensing terms valid at the time, and any further information can be accessed locally via IP using a web browser (*<http://<IP address>/Licenses>*). The liability and warranty arrangements for the open source licences displayed in this location only apply in relation to the respective rights holders.

Miele in Saudi Arabia:

Awad Badi Nahas Trading Co. Ltd.

Medina Road, P.O. Box 11529
Jeddah 21463
Kingdom of Saudi Arabia
Tel. +966 12 2560888
Hotline for customer care 920003240
(Sat – Thu; 8 am – 5 pm)
Fax +966 12 2560555
E-mail: info@awadnahas.com
Website: www.awadnahas.com

Miele in United Arab Emirates:

Miele Appliances Ltd.

Showroom 1 Eiffel 1 Building
Sheikh Zayed Road, Umm Al Sheif
P.O. Box 114782 - Dubai
United Arab Emirates
Tel. +971 4 3044 999
Fax +971 4 3418 852
800-MIELE (64353)
E-mail: info@miele.ae
Website: www.miele.ae
Webshop: shop.miele.ae

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

DGC 7460 HC Pro

en-AE, SA

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