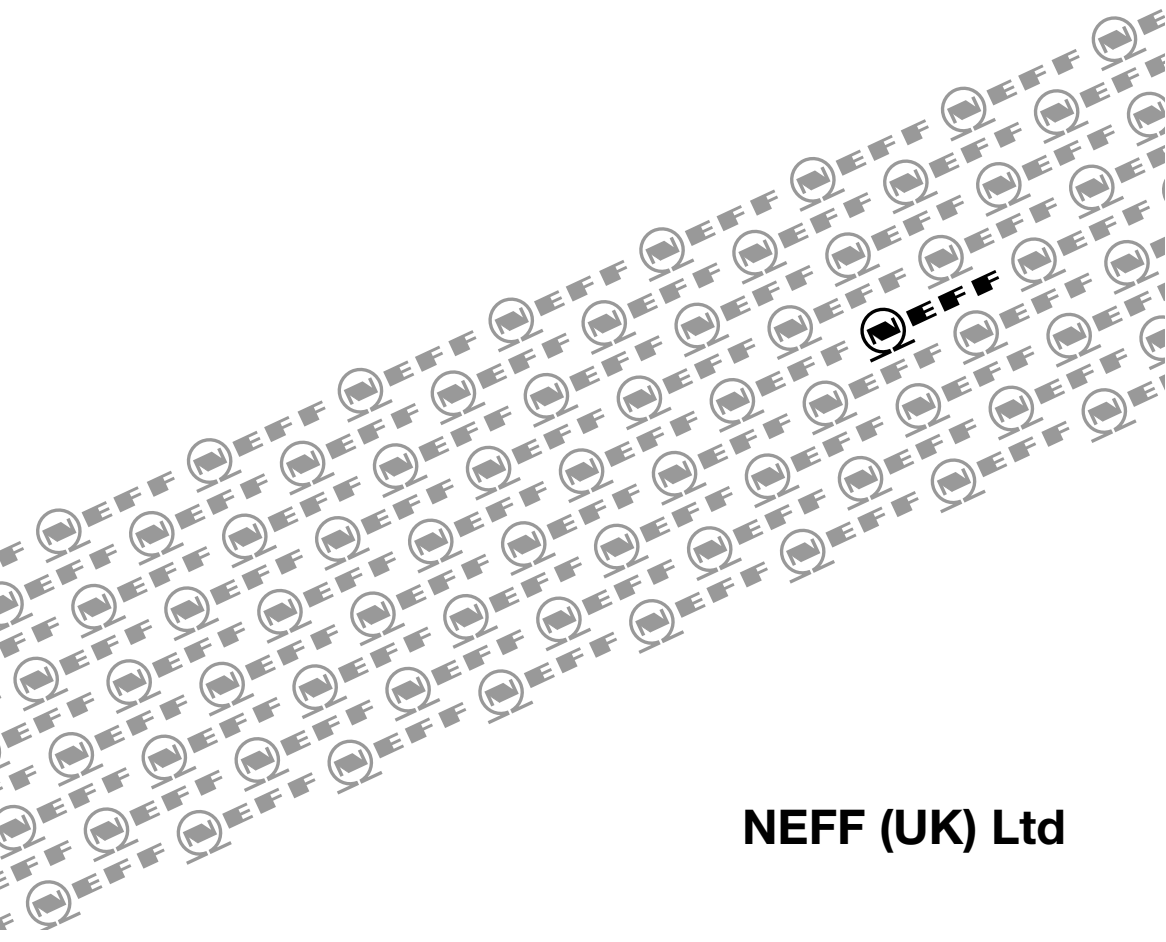


**How to connect up,
build-in, set up, use and
look after your
B1644 oven**



NEFF (UK) Ltd

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**For the installer and
kitchen expert!**

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Important information



Before using your new appliance, please read these Instructions for Use carefully. They contain important information concerning your Personal safety as well as on use and care of the appliance.

The Instructions for Use apply to several versions of this appliance. Accordingly, you may find descriptions of individual features that do not apply to your specific appliance.

Please keep the operating and installation instructions in a safe place; this important documentation may also be of use to a possible subsequent owner.

Packaging and old appliances

Your new appliance was protected by suitable packaging while it was on its way to you. All materials used for this purpose are environmentally friendly and can be recycled. Please make a contribution to protecting the environment by disposing of the packaging appropriately.

Old appliances are not worthless rubbish. Environmentally-conscious recycling can reclaim valuable raw materials.

Before disposing of your old appliance, please make sure that it is unusable, or label it with a sticker stating „Caution, scrap”.



This appliance is labelled in accordance with European Directive 2002/96/EG concerning used electrical and electronic appliances (waste electrical and electronic equipment – WEEE). The guideline determines the framework for the return and recycling of used appliances as applicable throughout the EU.

Up-to-date information on how to dispose of your old appliance and the packaging from the new one can be obtained from your retailer or local authority.

Before installation

Transport damage

Check the appliance after unpacking it. Do not connect the appliance if it has been damaged in transport.

Electrical connection

The cooker may only be connected by an approved specialist. Losses resulting from damage caused by incorrect connection will invalidate warranty claims.

Safety information

Hot oven



Before using your appliance, ensure that it has been installed properly.

This appliance is intended for domestic use only. Only use the cooker for food preparation.

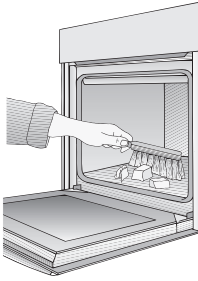
Open the oven door carefully. Hot steam may escape. Never touch the internal surfaces of the oven or the heating elements. There is a risk of burning. Children must be kept at a safe distance from the appliance.

Never leave the appliance unattended when cooking with fat or oil. They can catch fire if overheated.

Never store combustible items in the oven. Risk of fire. Never place flammable objects onto the hot plates. Fire hazard!

Never place cables of electronic devices onto the hot plates.

Never clamp leads of electrical appliances in the hot oven door. The insulation on the leads could melt. There is a risk of short-circuiting.



Remove all packaging remnants, e.g. polystyrene parts, from the oven.

Caution: The extension rails heat up during oven operation. Use special care to avoid burns when extending the rails.

Use only heat-resistant utensils for roasting or grilling.

Repairs

Incorrectly done repairs are dangerous. There is a risk of electrocution.

Repairs may only be carried out by after-sales service technicians who have been fully trained by BSH.

If there is a fault, switch off the oven fuse at the fuse box.

Call the after-sales service.

Reasons for damage


Baking tray, aluminium foil or dishes on the oven floor

Do not place the baking tray on the oven floor.
Do not cover it with aluminium foil.
Do not place dishes on the oven floor.
This will cause heat accumulation. The baking and roasting times will no longer be correct and the enamel will be damaged.

Slide-in accessories

To avoid damage, insert slide-in accessories carefully.

Baking paper

If using hot air functions , do not place greaseproof paper loosely in the oven (e.g. when heating the oven).
The hot-air fan could draw in the paper which may damage the heater and fan.

Water in the oven

Never pour water directly into a hot oven.
This could damage the enamel.

Fruit juice

When baking very moist fruit cakes, do not put too much on the baking sheet. Fruit juice dripping from the baking sheet leaves stains that cannot be removed.
It is recommended that you use the deeper universal pan.

Cooling with the oven door

Only leave the oven to cool with the door closed. Do not allow anything to become trapped in the oven door. Even if you only leave the oven door open slightly, the fronts of adjacent units may become damaged over time.

Very dirty oven seal

If the oven seal is very dirty, the oven door will no longer close properly when the oven is in use.
The fronts of adjacent units could be damaged.
Keep the oven seal clean.

Using the oven door as a seat

Do not stand or sit on the oven door.

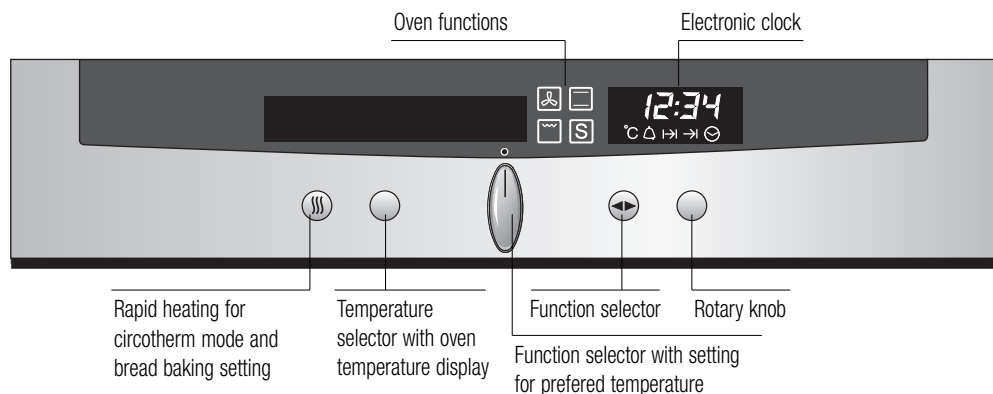
Care and cleaning

Do not use high-pressure cleaners or steam jets.

Your new cooker

Here you will learn more about your new oven. The control panel and its switches and indicators are explained here. The heating modes and the accessories included with your oven will be explained here.

The control panel



Oven operating modes



Hot air functions

- Circotherm
- Defrost
- Circotherm intensive
- Bread baking



Grill functions

- Large area grill
- Small area grill
- Circo-roasting



Conventional functions

- Top/bottom heat
- Bottom heat



Special functions

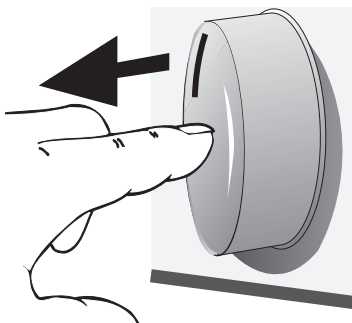
- Steam cooking, for system steam cooker (option available from specialist dealers)
- Dough proving
- Oven cleaning
- Light

Note

The oven light switches on for every oven function.

Rapid heating  can be selected for circotherm or bread baking.

Press-down switches




To engage and disengage, depress the switch, making sure that it is in OFF position.

Shelf positions



Your oven features 4 shelf position. **The shelf position are counted from bottom to top.** The numbers are marked in the oven.

When using **hot air functions** , **do not use shelf position »2«**, in order not to block air circulation.

The shelf supports and telescopic rails can be inserted at your preferred shelf position.

The simple plug-in system provides you with flexible and quick handling when changing the shelf supports and telescopic rails.

NeffLight

The oven features the additional lighting "NeffLight":

Turn the function selector to the position oven light; NeffLight will be activated.

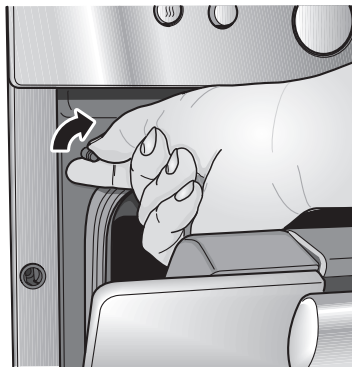
Advantages:

- Great illumination on all levels.
- Illumination of the food from the front.
- Your eyes will not be blinded by lamps when looking into the oven.

Door contact switch

NeffLight is activated/deactivated automatically when the oven door is opened/closed.

Saving energy



In order to save energy, you can deactivate NeffLight. Turn the door contact switch to the right. If you keep turning it to the right you re-activate NeffLight.

Accessories

Your appliance is supplied with:

Universal pan with wire shelf



2 wire shelf



Additional accessories can be obtained from a specialist dealer.

Before ordering, please check the Neff sales literature to

confirm which of the following items are available in the UK:

Order no.

Universal pan	Z 1232 X0
Universal pan, non-stick	Z 1233 X0
Glass pan	Z 1262 X0
Soufflé pan	Z 1272 X0
Baking tray, aluminium	Z 1332 X0
Baking tray, enamelled	Z 1342 X0
Baking tray, non-stick	Z 1343 X0
Pizza tray	Z 1352 X0
Wire shelf, high/low	Z 1432 X0
Wire shelf, close mesh	Z 1442 X0
Upgrade set – Single Telescope	Z 1784 X0
System steam cooker	N 8642 X0 EU
Pizza stone	Z 1912 X0
Universal oval roaster enamelled	Z 9930 X0

Note:

The baking tray or universal pan may distort while the oven is operating. This is caused by major temperature differences on the utensil. These differences may occur if only one part of the utensil was covered or if deep-frozen food, e.g. pizza, was placed on the utensil.

The distortion will subside again during baking, roasting or grilling.

Before using your appliance for the first time

Language for the text display

You can choose one of seven languages for the the display text.

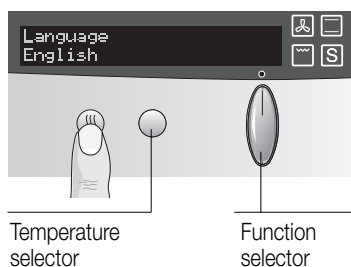
Change language

The default setting for the display text is English. There are various languages you can choose from.

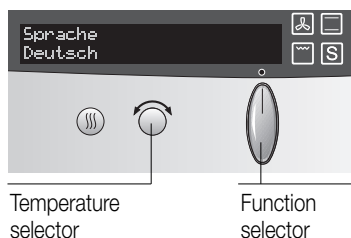
Change standard setting

The function selector must be switched OFF.

1. Keep the rapid heating  button pressed until **Language English** appears on the text display.



Example: deutsch



2. Turn the temperature selector until the language you want appears. This language is activated after three seconds.

Preliminary cleaning

Take the accessories out of the oven.

Remove all packaging remnants, e.g. polystyrene parts, from the oven.

1. Clean the appliance exterior with a soft moistened cloth.
2. Remove the shelf supports and telescopic rails from the oven.
3. Clean the oven and the accessories with a hot detergent solution.

Please observe the operating instructions furnished with the hob.

Initial burn-in

Before using the appliance for the first time, you must set the time on the electronic clock.

Heat the empty oven for approx. 30 minutes. Select top and bottom heat at a setting of 240° C.

Subsequent cleaning

Clean the oven with a hot detergent solution. Install the shelf supports and telescopic rails.

Time of day

Setting the time



After connecting to the mains, or after a power failure, the display 0:00 will blink.

Press the ◀▶ button and set the current time with the rotary knob (e.g. 15:00 hours).

To correct the time, press the ◀▶ button until the symbol flashes.

Then set the time.

Note: The time cannot be corrected if an automatic function or the timer has been set (to cancel see "Electronic clock").

Electronic clock

The electronic clock can be operated with one hand; after pressing the button, set the time with the rotary knob. Settings can be made for as long as the function display flashes (~4 seconds).

The control panel



Note

The current oven temperature is displayed only when the temperature is checked.

Clock functions

Minute timer

Counts down minutes (max. 24 h).

Set cooking time

Switches off automatically. You set an cooking time for the current operating mode (max. 6 h) after which the appliance switches off automatically.

Time preselection

Switches on and off automatically. You specify when the oven switches on automatically and after how long it switches off again (max. 24 h).

Time of day

To change the current time of day or reset following a power failure.

Delete times

Delete time settings: Minute timer, Set cooking timer and Timer preselection.

Time of day

Setting the time



After connecting to the mains, or after a power failure, the display 0:00 will blink.

Press the ◀▶ button and set the current time with the rotary knob (e.g. 15:00 hours).

To correct the time, press the ◀▶ button until the symbol flashes.

Then set the time.

Note: The time cannot be corrected if an automatic function or the timer has been set (to cancel see "Electronic clock").

Minute timer



1. Press the ◀▶ button until the 🔔 symbol flashes, and set the time you want (e.g. 5 minutes).
When the timer switches on, the remaining time is displayed.
2. When the time has elapsed, a signal is emitted and the 🔔 symbol flashes. To stop the signal, press the ◀▶ button.

Automatic timer

You can switch the oven on and off via the electronic clock.

The most suitable dishes for automatic timing are those which require little attention.

Set cooking time Automatic switch off



If you wish to bake or roast food immediately, it is only necessary to set the **cooking** time.

1. Select the operating mode and the oven temperature.
2. Press the ◀▶ button until the I→I symbol flashes and set the cooking time with the rotary knob (example: 1 hour and 30 minutes). When the setting has been made, the current time is displayed after approx. 4 seconds. The I→I symbol signals automatic mode.
3. When the time has elapsed (example: 1 hour and 30 minutes), a signal is emitted and the →I display flashes. The oven switches off automatically. To stop the signal, press the ◀▶ button.
4. Switch the oven off.
5. To end automatic mode, press the ◀▶ button again.

Time preselection Automatic switch on and switch off



If the food is to be baked or roasted later on, both the **cooking** time and **OFF** time must be set.

1. Select the operating mode and the oven temperature.
2. Press the ◀▶ button until the I→I symbol flashes and set the **cooking** time with the rotary knob (example: 1 hour and 30 minutes).
3. Press the ◀▶ button until the →I symbol flashes and set the **OFF** time with the rotary knob (example: 12:30). When the setting has been made, the current time is displayed after approx. 4 seconds. The →I symbol signals automatic mode.



Checking, correcting and cancelling settings

Note

4. The oven is automatically switched on and off at the preset times (e.g. 11:00 and 12:30).
5. When the time has elapsed, a signal is emitted and the → symbol flashes. To stop the signal, press the ◀▶ button.
6. Switch the oven off.
7. To end automatic mode, press the ◀▶ button.

1. To check your settings, press the ◀▶ button until the symbol flashes.
2. If required, correct the settings with the rotary knob.
3. If you want to cancel your settings, turn the set time back to 0:00 and switch the oven off.

The minute timer and OFF time can be pre-programmed up to a max. 24 hours.

The settings can be displayed at any time by pressing the ◀▶ button.

Special functions

Masking out the display

1. Press the ◀▶ button for 7 seconds.
After this time the display dims, the time and the display continue running in the background.
2. To switch on the display, briefly press the ◀▶ button.

Dimming the display

Between 22.00 and 6.00 the display is automatically dimmed.

Radio antenna optional accessory

The electronic clock can be fitted with a radio antenna (see Optional accessories).

Oven operating modes

Here you will receive an overview of the four oven functions: hot air functions, conventional functions, grill functions and special functions. The oven functions are divided into the following operating modes.

Hot air functions

The hot air functions include:

Circotherm

A fan system located in the rear oven wall circulates the circotherm in the oven, achieving an especially effective heat transfer to the food being baked or roasted.

Advantages:

- Simultaneous baking and roasting is possible on up to 3 shelf positions
- low soiling of oven interior
- shorter preheating times
- low oven temperatures
- gentle defrosting, see the Defrosting and cooking section for adjusting the **defrost setting**.

Circotherm intensive

The Circotherm intensive adds the bottom heat to the circotherm.

Advantages:

- Fresh preparation with a high "moisture content", e.g. pizza and juicy cakes with crisp base.
- Especially suited for frozen products, e.g. pizzas, chips etc.

Bread baking

Bread baking with hot air function.
Adjustable 180–220° C.

Note

Rapid heat up

Can be selected for Circotherm or bread baking setting.

Conventional functions

Top/bottom heat

(Conventional heating system)

The conventional functions include:

The food being baked or roasted is exposed to heat radiation from heating elements located at the top and bottom of the oven cavity.

Baking and roasting is possible on one shelf position only.

Advantages:


- Baking of cake with wet fillings, pizza, quiche.

Bottom heat

With this setting, only the heating element at the bottom of the oven cavity is activated.

Advantage:

- Particularly useful with dishes and baked goods that require a distinctive bottom crust or browning.

 Use just before the end of the baking or roasting time.

Grill functions

The grill functions include:

Large area grill

The food being prepared is exposed to heat radiation from the heating element at the top of the oven cavity.

Advantages:

- Particularly effective with flat, small cuts of meat, i.e., steaks, sausages, fish, vegetables and toast.
- the entire grilling surface heats up
- especially useful with large amounts of food.

Small area grill

Advantages:

- only the centre area of the grilling surface heats up
- especially useful with small amounts of food
- energy-saving operation.

Circo-roasting

With circo-roasting, the air circulating fan and the grilling elements are activated alternately.

The heat generated by the grilling element is evenly distributed in the oven cavity.

Advantage:

- Particularly effective with poultry.

Special functions

The special functions include:

Steam cooking

For system steam cooker (option available from specialist dealers).

Dough proving

The dough proving function provides ideal conditions inside the oven for getting yeast dough to rise.

Temperature: 35 – 38° C

Humidity: 75 – 100%

Advantages:

- rapid and uniform increase in volume of dough
- dough does not dry out
- dough does not form a skin which means that it very easy to process and work into the required shape
- exclusion of unfavourable external influences (e.g. draughts).
- yoghurt can be made.

Oven Cleaning

Oven cleaning is a regeneration programme. If the self-cleaning panels in the oven are no longer adequately cleaned during normal day-to-day operation, they will be regenerated with this function. They will then be fully functional again.

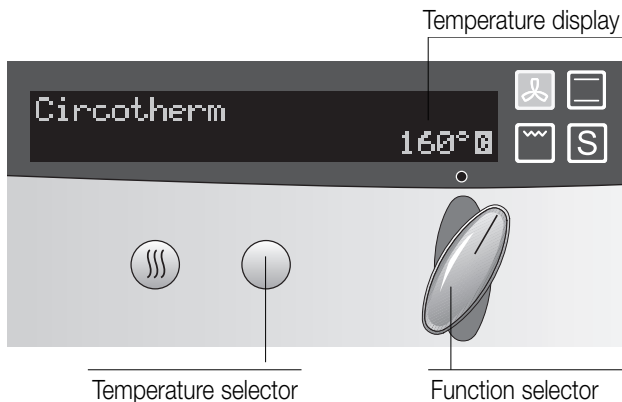
Light

The oven light is switched on. After 30 minutes the light automatically switches off again. The oven does not heat up.

Operating the oven

Switching the oven ON

Example: Circotherm



Before you switch on your oven, decide which operating mode you would like to use.

Rotate the function selector to the right until the required operating mode lights up on the text display.

The suggested temperature is displayed and the oven light switches on.

Changing the temperature

You can increase or reduce the suggested temperature with the temperature selector in steps of 5° C.

Notes

Steam cooking, dough proving and oven cleaning.

→ The temperature is fixed and cannot be changed.


Indicator light

The °C on the temperature display is backlit when the oven is heating up or a new temperature is selected.


Rapid heat up

Switching on

You can switch on rapid heat up for Circotherm hot air and bread baking setting.

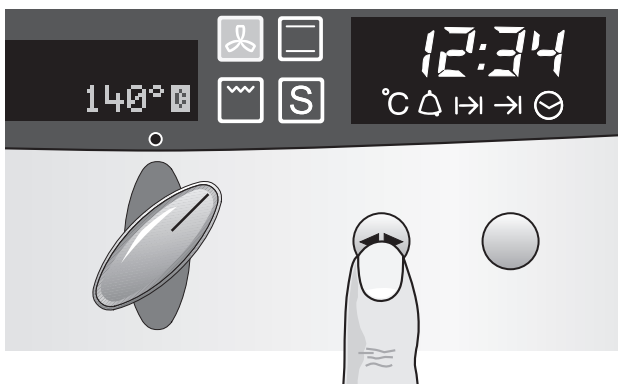
Press the  button. **Rapid heat up** is displayed.

Cancelling

Press the  button to switch OFF rapid heating.

Rapid heat up disappears from the display.

Current oven temperature



When the oven is heating up, the temperature in the oven can be displayed for about five seconds.

Press the  button.

This does not apply to steam cooking, dough proving, oven lighting and defrosting modes.

Switching the oven OFF

Residual heat display for the oven

Turn the function selector to the 0 position.


All functions are deleted.


When the oven has been switched off, the fan may continue running for a short time to cool the oven.


The current temperature range is indicated on the text display:


Residual heat high	above 120°C
Residual heat low	60 – 120°C.

Temperature ranges of the various heating systems

Hot air functions 	Suggested temperature in °C	Temperature range in °C
Circotherm	160	40–200
Defrost	–	Without temperature setting
Circotherm intensive	220	50–275
Bread baking	200	180–220

Conventional functions 	Suggested temperature in °C	Temperature range in °C
Top/ bottom heat	170	50–275
Bottom heat	200	50–225

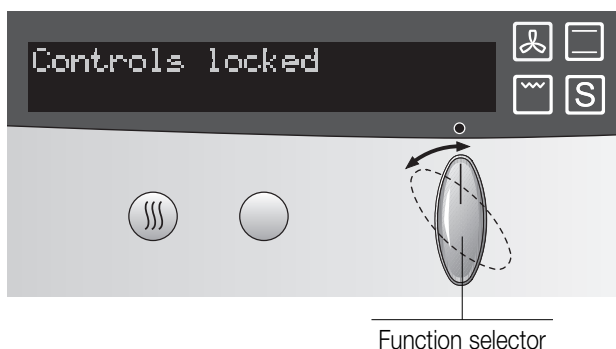
Grill functions 	Suggested temperature in °C	Temperature range in °C
Large area grill	220	50–275
Small area grill	180	50–275
Circo-roasting	170	50–250

Special functions 	Suggested temperature in °C	Temperature range in °C
Steam cooking	–	Fixed setting
Dough proving	–	Fixed setting
Oven Cleaning	–	Fixed setting

Safety features

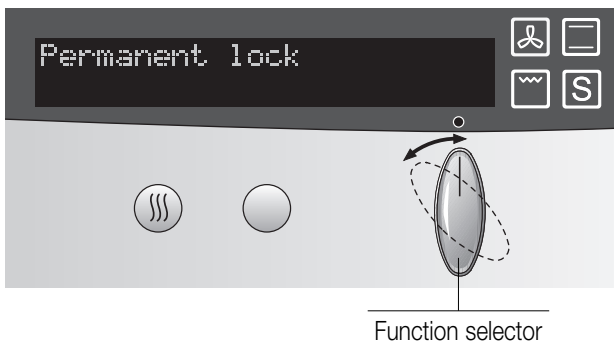
When the lock is switched on, the oven can no longer be switched on inadvertently or by unauthorised persons (e.g. playing children). The lock can be used as a childproof lock.

Lock



1. Quickly turn the function selector anticlockwise from 0 to "Oven lighting" and back again **three times**.
Controls locked appears on the display.
2. To enable the oven, quickly turn the function selector anticlockwise from 0 to Oven lighting and back again **three times**.
Controls locked goes out and you can use the oven as usual.

Permanent lock



1. Quickly turn the function selector anticlockwise from 0 to Oven lighting and back again **six times**.
Permanent lock appears on the text display.
2. To use the oven when permanent lock is active, rotate the function selector **3x** anti-clockwise from the 0 position to light and back again.
Permanent lock goes out and you can use the oven as usual. The permanent lock switches on again 30 seconds after the appliance is switched off.
3. To deactivate the permanent lock, rotate the function selector **6x** anti-clockwise in rapid succession from the 0 position to light and back again.
Permanent lock goes out and you can use the oven as usual.

Automatic safety off function

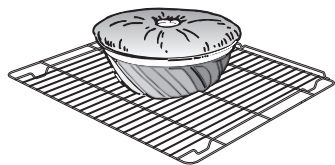
Depending on the settings the oven is switched OFF automatically after thirty minutes to thirty hours, and **Automatic safety OFF** appears on the display.

Safety off only occurs if no change was made to the appliance setting.

As soon as you use the temperature or function selector, the appliance switches on again.
The **Safety switch-off** text goes out.

Baking

Using baking tins



Notes

Always place baking tins in the centre of the baking wire shelf.

We recommend dark metallic baking tins.

Light coloured baking tins made from thin-wall materials lead to longer baking times and uneven browning of the cake.

You can influence the degree of browning by changing the temperature setting.

If a cake collapses after removing it from the oven, consider using a longer baking time, or use a slightly lower temperature setting.

Using tinplate baking tins



Circotherm

Shelf position **1**



Top/bottom heat

Shelf position **1**

If the cake bottom gets too dark:

Check the shelf position. Shorten the baking time, and possibly use a lower baking temperature.

If the cake bottom stays too light:

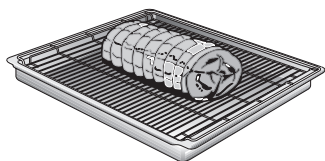
Check the shelf position. Increase the baking time, select a lower temperature, or use a dark metal baking tin.

Do not place baking forms or high cakes too close to the rear oven wall.

Cooking Tips and Helpful Hints

The bottom of a cake baked on a baking tray stays too light	Remove from the oven all baking tray or universal pan currently not in use.
The bottom of a cake baked in a tin stays too light	Use a wire shelf and not a baking tray to support the cake tin during baking.
The bottom of cake or cookies gets too dark	Set cake or cookies into a higher set of shelf position.
The cake gets too dry	Select a slightly higher oven temperature, and shorter baking time.
The cake is too moist on the inside	Choose a slightly lower baking temperature. Note: Higher temperatures do not shorten baking times (done on the outside, raw on the inside). Choose a slightly longer baking time, allow the dough to rise slightly longer. Add less liquid to the dough.
When baked with circotherm, cake baked in round or square tins gets too dark at the rear	Avoid blocking the air vents at the rear wall of the oven cavity with the cake tins.
Very moist cake dough (e.g. fruit cake) causes a lot of steam to generate in the oven that condenses on the oven door.	You can let the steam escape from the oven and thereby reduce the forming of water droplets by briefly and carefully opening the oven door (once or twice, in case of longer baking times more often).
Very uneven browning when using circotherm circulation	Check the shelf position.
Cake collapses when taken out of the oven	Use less liquid.
To save energy	Preheat only if expressly required by the recipe. Dark baking tins have a higher degree of heat absorption. Residual heat: In the case of longer baking times, you can switch off the oven 5-10 minutes before the full baking time has elapsed.

Roasting



Roasting in an uncovered pot

Place the wire shelf in the universal pan and slide both into the oven at the same shelf position.

Meat can be roasted in the oven in a particularly economical fashion if the weight of the cut exceeds 750 grams.

Rinse the universal pan and/or the roaster with water, and place the meat into it.

With fat meat and poultry, pour 125 to 250 ml of water (to suit the size and kind of roast) into the universal pan. At your discretion, baste lean meat with fat, or cover it with bacon strips.

The roast drippings collecting in the universal pan make a tasty gravy. Dissolve the drippings with hot water, bring to a boil, thicken with corn starch, season to taste and, if required, pass it through a strainer.

No preheating is required. Save energy by putting the roast into the oven while it is still cold.

Roasting in a covered pot

Place the meat into the roasting pot (or Dutch oven), cover it with a matching lid, and place it on the wire shelf in the oven. We recommend that beef roast be prepared in a covered roasting pot.

Tips

Big, high roasts, goose, turkey, duck

= Long roasting times, low temperatures

Medium sized, low roasts

= Medium roasting times, medium temperatures

Small, flat roasts


= Short roasting times, high temperatures

Roasting time per cm of meat height without bones
app. 13-15 minutes

Roasting time per cm of meat height with bones
app. 15-18 minutes

We recommend using the lower of the stated temperatures first.

In general, the lower temperature ensures a more even browning.

We recommend turning the roast after half or two thirds of the roasting time have elapsed when using the setting .

For roasting, use only cookware with oven-proof handles.

Prepare large roast directly in the universal pan, without using the wire shelf.

Smaller cuts of meat can be roasted on aluminium foil. To do so, bend the edges of the foil upward, as if to form a dish, and place it on the wire shelf.

After the end of the selected roasting time and with the oven switched OFF, leave the roast in the closed oven for approx. 10 minutes.

The roast is not done on the inside

Use a lower roasting temperature.

Note: Higher temperatures do not shorten roasting times (done on the outside, raw on the inside).

Choose slightly longer roasting times.

Very moist roasts (e.g. roasts prepared with water) cause a lot of steam to generate in the oven that condenses on the oven door.

You can let the steam escape from the oven and thereby reduce the forming of water droplets by briefly and carefully opening the oven door (once or twice, in case of longer roasting times more often).

Grilling

Notes on grilling



Exercise **CAUTION** when grilling.
Always keep children at a safe distance.

Always close the oven door when grilling.

The grilling temperatures are variable.

Always use the wire shelf and the universal pan.

Always place food to be grilled in the centre of the wire shelf.

If the grill element (heating element) switches OFF automatically, the overheating protection was activated.

The radiator will be reactivated after a short period of time.

Place the wire shelf into the universal pan and slide them together into the same shelf position.

Circo-roasting



Use this method for particularly crispy poultry or roast (e.g., pork roast with crackling).

Use the wire shelf and universal pan together. Turn large roasts after about half of the total grilling time has elapsed.

To prevent breakage after removing them from the oven, place glass utensils on a dry kitchen towel instead of cold or wet surfaces.

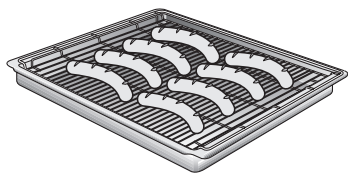
Dependent on the type of food being prepared, combination hot-air and surface grilling can cause an increased degree of oven soiling. Therefore, to prevent burning-in of the soil, thorough cleaning of the oven is recommended after each use.

Whole poultry should be turned after approx. two-thirds of the cooking time has elapsed. With duck and goose, pierce the skin under the wings to allow excess fat to drain off.

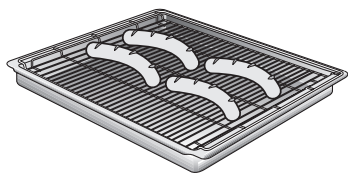
After the end of the selected roasting time and with the oven switched OFF, leave the roast in the closed oven for approx. 10 minutes.

Surface grilling

Large area grill



Small area grill



Used for smaller dishes having little height/thickness.

Always use the wire shelf and universal pan together.

Turn the food after approx. two-thirds of the grilling time has elapsed.

At your discretion, lightly baste the wire shelf and the food with oil.

Defrosting and cooking

Defrosting with Circotherm

Important heating system information

For defrosting and cooking of frozen or deep-frozen foods, use only the circotherm heating system.

With all deep-frozen foods, follow the food processing company's instructions on the package.

As a rule, **defrosted frozen or deep-frozen foods** (especially meats) require less cooking time than fresh products, since freezing has a pre-cooking effect.

If **frozen meat** is placed in the oven, the defrosting time must be added to the required cooking time.

Always defrost **deep-frozen poultry** before cooking because the giblets must be removed.

For cooking **deep-frozen fish**, use the same temperatures as for fresh fish.

Deep-frozen ready-to-eat meals in aluminium dishes may be placed into the oven several at a time.

Shelf position

With 1 baking sheet: Shelf position **1**

With 2 baking sheets: Shelf position **1 + 3**.

All stated times are approximate guidelines that vary with the shape and volume of deep-frozen products.

Defrosting and cooking

Raw deep-frozen products or foods from a freezer always defrost at 50° C.

Higher defrosting temperatures may cause the food to dry out.

Defrost **deep-frozen meals packed in aluminium foil or closed aluminium containers** at a setting of 130 – 140° C.

Defrost and warm up **deep-frozen baked goods** at 100 – 140° C. Brush bread, rolls or yeast pastry lightly with water to make the crust more appealing.

Defrost **dry deep-frozen yeast cakes** at 160 – 170° C for 20 – 30 minutes.

Defrost **moist deep-frozen yeast cakes** (with fruit topping) at 160 – 170° C for 30 – 50 minutes after wrapping in aluminium foil to prevent cake from drying out.

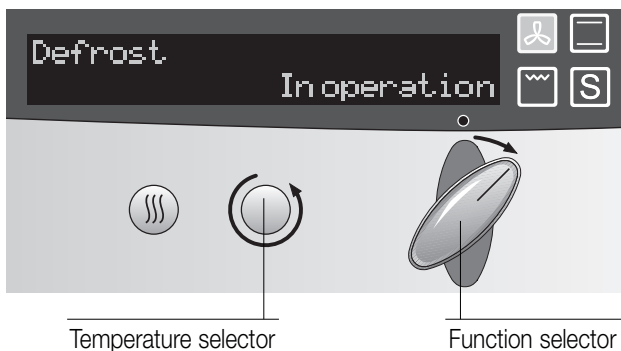
Defrost and toast **deep-frozen toast** (with topping) at 160 – 170° C for about 20 minutes.

Frozen pizza:

Please follow the manufacturers' instructions.

Defrost setting

Recommended for delicate bakeware only
(i.e., whipped-cream gateaus).



Switching ON

1. Rotate the function selector until **CircoTherm hot air** is displayed.
2. Reduce the oven temperature with the temperature selector until **Defrost – In operation** appears on the text display.

The fan at the oven wall runs without heat being generated.

3. The **Defrost** process is now regulated automatically.

Depending on size and type of bakeware, defrost for 25 – 45 minutes. After this time, remove the pastry from the oven.

Let stand at room temperature for 30 – 40 minutes.

With smaller amounts (pastries) the defrosting time is reduced to 15 – 20 minutes and the subsequent standing time to 10 – 15 minutes.

Switching OFF

Turn the function selector to the 0 position.
All functions are deleted.

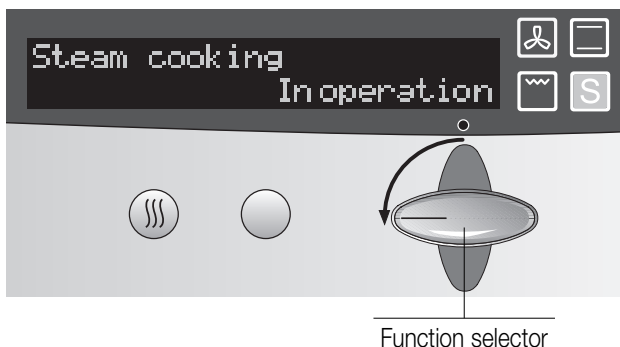
Steam cooking

Attention

Can be operated with the **system steam accessory only** (Available as an optional accessory from specialist outlet).

Do not use the steam cooking setting until **the oven has cooled down completely** (room temperature).

Select only steam cooking mode for the operating mode. Other settings are not permitted.



1. Turn the function selector until **Steam cooking** appears on the text display.
After approx. 3 seconds **Steam cooking setting – In operation** is indicated on the text display.
2. The steam cooking process is now regulated automatically.

Note

When **Steam cooking** flashes on the text display, the oven has not cooled down completely.

Switch the oven off. Wait until the oven has cooled down to room temperature.

Restart the steam cooking setting.

For further information see the operating instructions for the system steam cooking.

Dough proving

Warning


Never pour cold water into the oven while it is still hot.

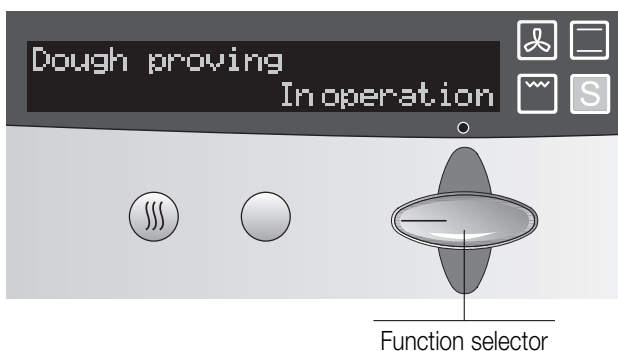
Do not use the dough proving until **the oven has cooled down completely** (room temperature).

Use normal tap water only, **not distilled water**.

When making yoghurt, do not put any water in the oven.

Switching ON

1. Carefully pour 50 millilitres of water ($\frac{1}{4}$ glass) onto the floor of the oven cavity.
2. Place the bowl containing the dough onto the middle of a wire shelf inserted at level **1**.
 Do not cover the dough.
3. Close the oven door.



4. Turn the function selector until **Dough proving** appears on the text display.
After approx. 3 seconds **Dough proving – In operation** is displayed.

The dough proving process is now controlled automatically.

Note

When **Dough proving** flashes on the text display, the oven is too hot.

Switch the oven off.

Wait until the oven has cooled down to room temperature.

Restart the dough proving.

Yeast dough	Amount of flour	Shelf level	Proving period
Jogurt	1 litre milk	1	6 hours

Important

The details given in the table above are average values. They can vary according to the type and amount of dough, as well as the condition of the ingredients, e.g. age and quality of the yeast.

Please read the enclosed cookery book for suggestions on how to make subsequent use of the dough.

Switching OFF

Turn the function selector to the 0 position.

Before you start baking, remove the water left inside the oven. If any traces of lime are left behind, they can be dissolved with a little vinegar and wiped off using clear water.

Cleaning and Care

Important cleaning basics

For cleaning, do not use abrasives, no corrosive cleaners, and no sharp objects.

Do not scratch off burnt-in food residues, but soak them off with a moist cloth and dishwashing detergent.

Cleaning products we particularly recommend can be purchased from our customer service.

Appliance exterior

Stainless steel/ aluminium front

Use commercially available detergents applied to a soft, moistened cloth or a chamois.

Do not use aggressive cleaning agents, abrasive sponges, or coarse cleaning cloths.

On heavy soiling use commercial cleaning agents on matted stainless steel/aluminium surfaces.

Please observe the manufacturer's instructions.

Enamel and glass

Use commercially available detergents applied to a soft, moistened cloth or a chamois.

Oven door pane

The temperature of the pane inside the oven door is reduced by a heat-reflecting coating.

The reduced temperature ensures that visibility through the oven door window is not impaired.

When the oven door is open, this coating may have a bright appearance. This is quite normal and does not indicate a quality defect.

Oven interior

Clean the oven after each use, especially after roasting or grilling.

Food remnants burn in when the oven is reheated. The baked in remnants are very difficult to remove once burnt in.

Note:

To prevent soiling use:

- **CircoTherm hot air.** The CircoTherm hot air mode causes less soiling than the others.
- the universal pan **to bake** very moist cakes.
- suitable utensils (frying pan) **for frying.**

For easier cleaning

you can switch on the oven lamp and take off the oven door.


For cleaning the mating surface of the oven door at the front of the oven, the door should be removed.

Enamel areas in the oven

Use hot soapy water or a vinegar solution.

It is best to use oven cleaner if the oven is very dirty. Only use oven cleaner in a cold oven.

We recommend cleaning gels because these can be applied with greater precision.

 Do not clean the warm oven with any of the cleaning products specifically designed for this purpose.

Leave the oven open so that it can dry after cleaning.

Note:

Enamel is baked on at very high temperatures. This can cause some slight colour variation. This is normal and does not affect the function. Do not use coarse scouring pads or strong cleaning agents to remove such discolorations.

The edges of thin trays cannot be completely enamelled. As a result, these edges can be rough. Anti-corrosion protection is guaranteed.

Catalytic oven surfaces

Cleaning the catalytic surfaces of the oven


The rear wall, the oven ceiling and the side walls of the oven are coated with self-cleaning enamel. The surface cleans itself while the oven is in operation. Large splashes sometimes only disappear after the oven has been used several times.

Never use oven cleaner on catalytic surfaces of the oven.

Should the enamel become slightly stained, this will not affect its self-cleaning properties.

Oven Cleaning


Automatic oven cleaning

Oven cleaning  is a regeneration programme. If the self-cleaning panels in the oven are no longer adequately cleaned during normal day-to-day operation, they will be regenerated with this function. They will then be fully functional again.

Take the accessories and utensils out of the oven.

Before switching on automatic oven cleaning, thoroughly clean the areas of the oven that do not have self cleaning panels, e.g. enamelled areas such as the oven floor; inner door. This will prevent residue from burning in.

You can select the duration of automatic oven cleaning via the electronic clock.

 **The oven becomes very hot during automatic oven cleaning – always keep children away.**

Setting procedure



Switching off oven cleaning

When the oven has cooled down

1. Rotate the function selector until Oven Cleaning is displayed.

The indicator light  comes on and **In operation** is displayed.

The oven heats for 1 hour at **270° C**.

When Oven Cleaning is complete, a signal sounds, and **finished** is displayed.

2. Rotate the temperature selector and the function selector to 0.

The oven is cooled by the fan which continues running.

Remove the grease film from the parts which are not self-cleaning with a damp cloth.

Wipe the salt residue off the self-cleaning parts with a damp cloth.

Replacement side, roof and rear panels are available from customer service.

Note: exchange of roof and rear panels should only be carried out by an approved service engineer.

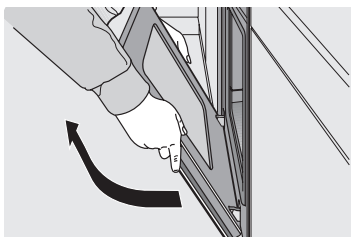
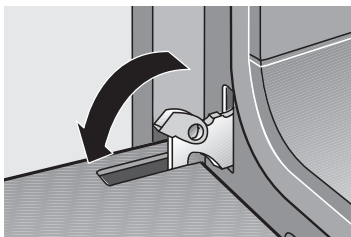
Removing/installing the oven door

Oven door

Note: To make the manual cleaning steps following the automatic oven cleaning function more convenient, the appliance features the following options.

Removing the oven door

1. Fully open the oven door.
2. Move the catch levers on the right and left-hand sides to the fully open position.

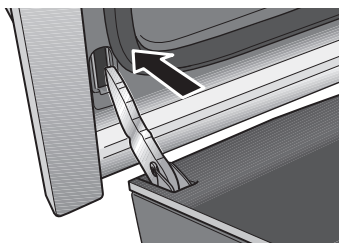


3. Placing the door at an upward angle toward you, grasp the door with both hands and lift it out of the hinges toward you.

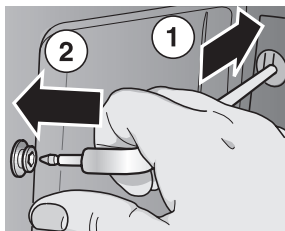
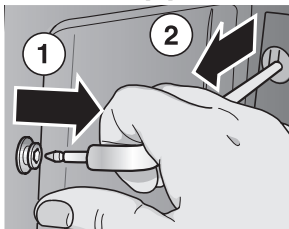
When pulling the door out, make sure that you do not reach into the hinge. There is a risk of injury.

Hanging the oven door

1. Set both hinges into their respective receptacles on the left and right, and swing the oven door downward.
2. Close the catch levers on the left and right.
3. Close the oven door.



Shelf support



Removing

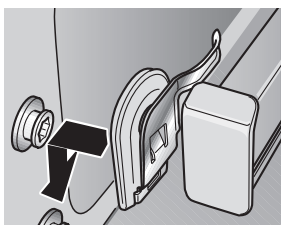
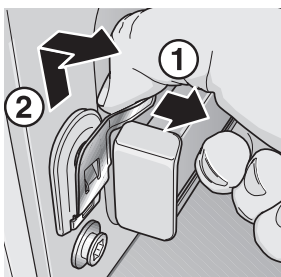
1. Pull the shelf support out of its bearing bush.
2. Remove the shelf support.

Clean the shelf support using washing-up liquid and pan scrapers or brushes.

Attaching

After cleaning, re-install the shelf support, following the instructions in reverse order.

Telescopic pull-outs



Removing

1. Press the coach spring down.
2. Push the telescope upwards and remove it.

Clean the telescopic pull-outs using washing-up liquid and pan scrapers or brushes.

Attaching

Insert the telescopic pull-out at the rear.

Insert the telescopic pull-out into the guide and press down until it locks into position.

Always insert the telescopic pull-outs all the way.

Do not close the oven door until all telescopic pull-outs have been inserted.

Attention: The telescopic pull-outs become hot when the oven is on. Risk of burns when the telescopic pull-outs are pulled out.

Service and Repair Information

In the event of problems or repairs that you cannot solve or perform yourself, our customer service will be happy to help. Check the customer service directory for a customer service facility in your area.

Caution: Calling the customer service because of an operator error can be very costly!

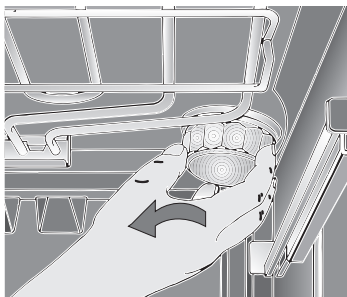
E No and FD No

You can find this information on the appliance's nameplate. The nameplate is located on the appliance, behind the oven door, on the left bottom edge of the oven.

In the event of a customer service request, please have the following information handy:

E-Number	FD
----------	----

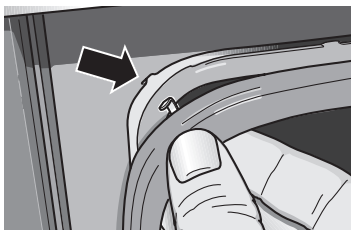
Replacing the oven light



Caution: Unplug the appliance or remove the fuse! By actuating the miniature circuit-breaker or by unscrewing the fuses in the fuse box in your house.

1. To prevent damage, place a towel into the cold oven.
2. Unscrew the lamp cover by turning it counter-clockwise.
3. Replace the lamp.
 - Type: Incandescent bulb E 14, 220 – 240 V, 40 W, heat-resistant to 300° C
 - You may obtain this bulb from your customer service or from your appliance dealer.

Replacing the oven door seal



Remove the defective oven door seal by simply unhooking it.

You may obtain the new oven door seal from your customer service.

Replacing the halogen bulb for NeffLight

Replacement bulbs and auxiliary tool are available from customer service.

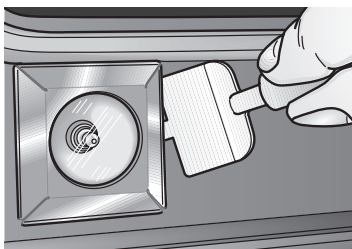
Only a technician may work on the appliance electronics.

Before starting such work, isolate the appliance: By actuating the automatic circuit breakers or unscrewing the fuses in the fuse box in your house.

Before replacing the halogen bulb, detach the oven door.

⚠ Halogen bulbs become very hot when switched on. Even some time after they have been switched off, there is a risk of burns.

1. Take the auxiliary tool, insert it into the slot and prise out the cover.



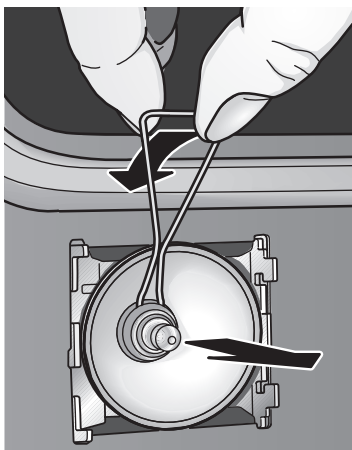
2. Pull out the halogen bulb with the other auxiliary tool.

3. Replace the halogen bulb,

Attention: Plug-in bulbholder.

Take hold of the halogen bulb with a clean cloth.

- Halogen bulb type G4, 12 volts, 20 watts, heat-resistant up to 300 °C.
- Halogen bulbs are available from customer service.



Note

If the light does not function, check whether the bulbs have been inserted correctly.

Trouble-shooting Guide

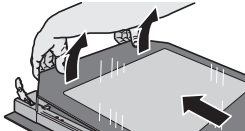
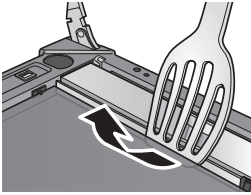
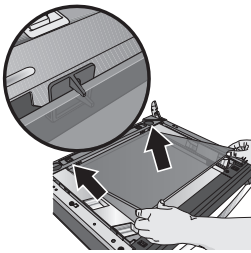
Calling the customer service is not always really necessary. In some cases, you can remedy the situation yourself. The following table may contain some helpful tips.

Important general safety guidelines:

Service or repair work on the electronic components may only be performed by a qualified expert. Without exception, prior to starting such repairs, the appliance must be disconnected from the mains. This may be accomplished by tripping the automatic fuse or by removing the fuse from the fuse box that controls your flat or apartment.

Problem	Possible cause	Remedy
. . . if there is a general failure of all electrical functions, i.e., the control lamps have suddenly ceased to function.	Defective fuse	Check the fuse in the fuse box, and replace if required.
. . . if liquids or thin viscous dough are distributed at a visibly uneven thickness?	The appliance has not been placed or installed plumb-and-level.	Level the appliance using the leveling feet, or check the installation.
. . . if the oven suddenly stop functioning?	The electronic clock is set to an automatic timing cycle.	Set electronic clock to operation without automatic timer: 1. Press the ◀▶ button. 2. Reset ON time → to 0:00.
. . . if the oven suddenly stop functioning?	Automatic timer switched OFF oven.	Set electronic clock to operation without automatic timer: Press the ▶ button.
. . . if the oven suddenly stop functioning and the electronic clock flashes 0:00?	The power supply was briefly interrupted.	Reset the time of day.
. . . if rrr is displayed?	The power supply was briefly interrupted.	Re-activate the electronic clock and oven control.
. . . if a foreign language is indicated on the display.	Wrong operating language set or the power supply was briefly interrupted.	Select new language. (see "Language for the text display").

Problem	Possible cause	Remedy
. . . when Controls locked appears on the display?	The oven is locked (child safety).	Turn the function selector anticlockwise from 0 to Oven lighting and back again three times . Control locked disappears.
. . . when Permanent lock appears on the display?	The oven is locked (child safety).	Turn the function selector anticlockwise from 0 to Oven lighting and back again six times . Permanent lock disappears.
. . . when the symbols on the control panel light up, but the oven does not heat up?	The oven has been locked against unauthorised use (demo mode).	Turn the function selector from Large grill to Small grill and back again five times. <input type="checkbox"/> Demo OFF must appear on the display.
. . . if electronically control functions fail?	Energy pulses (e.g. lightning flash).	Reset the relevant functions.
. . . when the indicator lamp for oven functions does not light up red when cleaning (main oven) or dough proving mode is switched ON?	Temperature inside oven cavity is still too high.	Prior to using the oven cleaning function, the oven must be allowed to cool completely.
	Defective control lamp.	Replacement only by an authorised expert.
. . . if the telescopic extension rails can no longer be pushed in all the way?	Bearing misalignment after cleaning.	Initially, pull out the telescopic extension rails all the way.

Problem	Possible cause	Remedy
. . . if smoke is generated during roasting or grilling?	Roasting temperature too high. Wire shelf or universal pan slid in incorrectly.	Place wire shelf into universal pan and insert together in shelf position.
. . . if enamelled slide-in parts show mat bright stains?	Normal occurrence due to dripping meat juices.	Not available.
. . . if the glass pane or window of the oven door become clouded?	Normal occurrence, due to existing temperature difference.	Switch on the oven for app. 5 minutes at 100° C.
. . . if the oven shows increasing condensation water?	Normal occurrence, e.g. in the case of cakes with very moist topping (fruit) or roasts.	Briefly open the oven door occasionally during baking or roasting, wipe up the condensation water after operation.
. . . if the panes of the oven door are dirty on the inside after some time of use?	Normal soiling.	<p>Remove the oven door and place it facing down on a clean and soft surface.</p> <p>Take hold of the door glass next to the hinges, disengage and raise slightly. Remove the door glass towards the hinges.</p>  <p>Lift and disengage inner door glass, e.g. using a spatula, on one side and then lift and disengage on the other side.</p>  <p>Attention! The light duct must not be cleaned as it is very sensitive to scratches.</p> <p>Installation after cleaning: Insert inner door glass into the holder. First engage the right side and then the other side.</p>  <p>Hang door glass and press down next to the hinges until it clicks into place.</p>

Assembly Instructions

For the installer
and kitchen expert!

Important installation notes

Properly dispose of **packaging materials**.

Do not use **oven door handle** for transporting or handling the unit during installation.

WARNING: Connection and first start of the appliance may only be performed by an authorised specialist.

Connection have to be made using a mains connection cable not lighter than H05RR-F 300 V / 500 V Rubber Flexible Cable or H05VV-F 300V / 500V PVC Flexible Cable.

Rated consumption, rated voltage and type no. of the appliance:

See appliance nameplate behind the oven door to the left beneath the side edge of the oven.

The unit's nameplate is located at on the sidewall of the unit.

Electrical safety of the appliance can be ensured only if the equipment earth in the building installation has been installed according to regulations.

A separator must be installed in the household circuit. A suitable separator is a switch that has a contact gap of more than 3 mm and interrupts all poles. Other examples are LS switches, fuses and contactors.

The **connection diagramm** is located on the rear panel of the appliance.

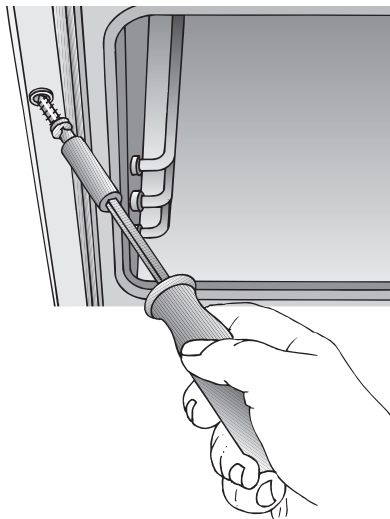


In the case of repairs interrupt all power connections to the unit.

The properly installed appliance must be covered on all sides in such a fashion that not even components with rough insulation are exposed to the touch.

The cover must be removable with tools only.

Installation of the built-in oven



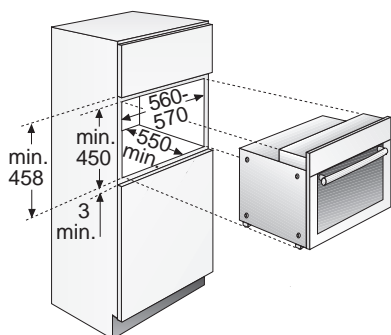
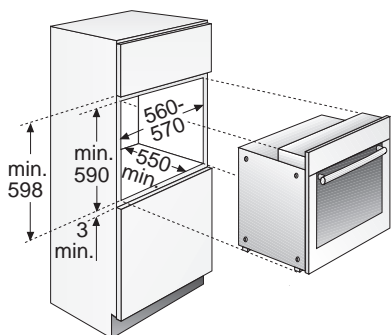
Push the oven into the cabinet aperture and align the unit until it is in a **level position**.

Open the oven door and, using one screw on each side, fasten the built-in oven to the side strips of the conversion cabinet.

When screwing in the two screws (enclosed in a bag with the built-in oven), ensure that they are pointing outwards at a slight angle. Please use these screws only.

Verify that the built-in oven is positioned securely and in a **level position**, and that the required installation dimensions have been maintained.

In units featuring telescoping extensions, these may not move by themselves.



Furniture requirements

Oven housings from virtually all lines of kitchen furniture are suitable for installing the built-in oven. However, the veneers or plastic laminates on the conversion cabinets must be applied with heat-resistant adhesive (90 C).

If plastic laminates or cement are not sufficiently heat-resistant, warping, bubbling or detachment of the finish may result.

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9000 138 126
Printed in Germany 0806 Es.