

Operating and installation instructions Rangehood



To prevent 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.

Contents

Warning and Safety instructions	4
Caring for the environment	12
Description of the functions	13
Guide to the rangehood	14
Before using for the first time	16
Selecting extraction mode or recirculation mode	16
Setting up Miele@home	16
Connecting via the App	17
Connecting via WPS	18
Signing out of Wi-Fi (reset to factory settings)	19
Setting up Con@ctivity	19
Con@ctivity via the home Wi-Fi network (Con@ctivity 3.0)	20
Con@ctivity via a direct Wi-Fi connection (Con@ctivity 3.0)	20
Reattempting the connection	20
Operation (automatic mode)	21
Cooking with Con@ctivity (automatic mode)	21
Cooking process	21
Leaving automatic mode temporarily	22
Returning to automatic mode	22
Operation (manual mode)	23
Cooking without Con@ctivity (manual mode)	23
Switching the fan on	23
Selecting a power level	23
Selecting the run-on time	23
Switching the fan off	23
Dimming/switching the cooktop lighting on/off	24
Power management	24
Safety switch-off	24
Operation (automatic and manual modes)	25
Operating hours counter	25
Altering the grease filter operating hours counter	25
Altering or deactivating the charcoal filter operating hours counter	26
Reading the filter operating hours counter	26
Energy saving tips	27
Cleaning and care	28
Housing	28
Important for appliances with lacquered casing	28
Grease filters	29
Change grease filters	30

Contents

NoSmell active charcoal filter.....	31
Resetting the charcoal filter operating hours counter.....	31
Disposing of charcoal filters.....	31
Reactivatable charcoal filter.....	31
Installation.....	32
Before installation.....	32
Protective foil.....	32
Installation materials.....	32
Appliance dimensions.....	34
Safety distance (S).....	35
Installation recommendations.....	36
Drilling diagram for wall mounting.....	36
Connection for air extraction.....	37
Non-return flap.....	37
Condensed water.....	38
Silencer.....	38
Electrical connection.....	40
Service.....	41
Contact in case of fault.....	41
Position of the data plate.....	41
Warranty.....	41
Technical data.....	42
Optional accessory for recirculation mode.....	42

Warning and Safety instructions

This rangehood complies with all relevant local and national safety requirements. However, inappropriate use can lead to personal injury and damage to property.

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

In accordance with standard IEC 60335-1, Miele expressly and strongly advises that you read and follow the instructions in “Installation” and in the “Warning and Safety instructions”.

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.

Correct application

► This rangehood is designed for domestic use and for use in similar environments by guests in hotel or motel rooms, bed & breakfasts and other typical living quarters. This does not include common/shared facilities or commercial facilities within hotels, motels or bed & breakfasts.

► The appliance is not suitable for outdoor use.

► It must only be used to extract vapours and remove odours from cooking.

Any other usage is at the owner's risk. Miele cannot be held liable for damage resulting from incorrect or improper use or operation.

► The rangehood cannot be used to ventilate the room in which it is installed in recirculation mode above a gas cooktop. Please seek the advice of a qualified gas fitter for more information if necessary.

► This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning its use by a person responsible for their safety, and are able to recognise the dangers of misuse.

Safety with children

- ▶ Young children must not be allowed to use the rangehood.
- ▶ Older children may only use the rangehood if its operation has been clearly explained to them and they are able to use it safely. They must be able to understand and recognise the possible dangers caused by incorrect operation.
- ▶ Cleaning work may only be carried out by older children under the supervision of an adult.
- ▶ Children should be supervised near the appliance. Ensure that they do not play with the appliance.
- ▶ The cooktop lighting is very intense. Ensure, in particular, that babies/small children do not look directly at the light.
- ▶ Danger of suffocation! Whilst playing, children may become entangled in packaging material (such as plastic wrapping) or pull it over their head with the risk of suffocation. Keep packaging material away from children.

Technical safety

- ▶ Unauthorised installation, maintenance and repairs (including removal of any cover) can cause considerable danger for the user. Installation must be performed by a suitably qualified and competent person. Maintenance and repairs must only be carried out by a Miele authorised technician.
- ▶ A damaged appliance can be dangerous. Check it for visible signs of damage. Do not use a damaged appliance.
- ▶ The electrical safety of this appliance can only be guaranteed when continuity is complete between it and an effective earthing system. It is most important that this basic safety requirement is present and tested regularly and, where there is any doubt, the household wiring system should be inspected by a qualified electrician.

Warning and Safety instructions

▶ Temporary or permanent operation with a self-sufficient or non-mains synchronous energy supply system (e.g. isolated networks, back-up systems) is possible. A requirement for the operation is that the energy supply system complies with all current local and national requirements that apply to stand-alone, solar and/or battery systems. The protective measures provided in the installation and in this Miele product must also be assured in their function and operation in isolated operation or in non-mains synchronous operation, or replaced with equivalent measures in the installation.

▶ The connection data (voltage and frequency) on the data plate of the rangehood must match the mains electricity supply in order to avoid the risk of damage to the rangehood.

Compare this before connecting the appliance to the mains electricity. If in doubt, consult a qualified electrician.

▶ Do not connect the appliance to the mains electricity supply by a multi-socket unit or an extension lead. Extension leads are a fire hazard and do not guarantee the required safety of the appliance.

▶ EXT/EXTA model rangehoods are connected to their external motor using a special connection cable and plug connectors. These appliances may only be combined with a Miele external motor.

▶ For safety reasons, this appliance may only be used after it has been built in.

▶ This rangehood must not be installed and operated in mobile installations (e.g. on a ship).

▶ Tampering with electrical connections or components and mechanical parts is highly dangerous to the user and can cause operational faults.

Only open the housing as described in the instructions given in the installation sheet and in the “Cleaning and care” section of this booklet. Under no circumstances should any other parts of the housing be opened.

▶ The manufacturer's warranty will be invalidated if the appliance is not repaired by a Miele authorised service technician.

▶ If the mains connection cable is damaged, it must only be replaced by a Miele authorised service technician or suitably qualified and competent electrician in order to avoid a hazard.

▶ The lamps are a built-in component of the lighting. Replacement lamps may only be installed by a Miele authorised technician.

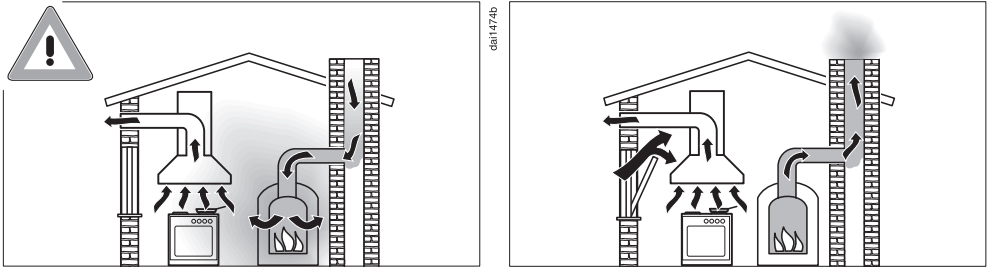
Warning and Safety instructions

► During installation, maintenance and repair work, the appliance must be disconnected from the mains electricity supply. It is only completely isolated from the electricity supply when:

- the mains circuit breaker is switched off, or
- it is switched off at the wall socket and the plug is withdrawn from the socket. Do not pull the mains connection cable but the mains plug to disconnect your appliance from the mains electricity supply.

Warning and Safety instructions

Using at the same time as other heating appliances that depend on the air from the room



⚠ Danger of toxic fumes!

Great care should be taken when using the rangehood in the same room or the same area of the house as another heating appliance that depends on the air from the room.

Such heating appliances draw in air from the room and duct exhaust gases out through a chimney or extraction ducting. They include gas, oil, wood and coal-fired boilers and heaters, continuous flow or other water heaters, gas cooktops and ovens.

The rangehood draws in air from the kitchen and from neighbouring rooms. This applies to the following modes of operation:

- extraction mode,
- extraction mode with an external motor,
- recirculation mode with a recirculation box installed outside the room.

If there is insufficient air, an underpressure will occur. The heating appliance may be starved of oxygen. This impairs combustion. Harmful gases could be drawn from the chimney or extraction ducting back into the room.

This could have potentially fatal consequences. Risk of death!

Warning and Safety instructions

In order to ensure safe operation and to prevent gases given off by a heating appliance from being drawn back into the room, when the rangehood and the heater are both operated simultaneously, an underpressure in the room of 0.04 mbar (4 Pa) is the maximum permissible.

Sufficient ventilation can be maintained by air inlets which cannot be blocked, e.g. in windows, doors and outside wall vents. The diameter of the inlet openings must enable sufficient ventilation. A ventilation brick alone is not generally sufficient to ensure safe ventilation.

The overall ventilation condition of the dwelling must be taken into account. If in any doubt, the advice of a competent builder or, for gas, a qualified gas fitter (registered with an official gas safety body in accordance with national safety regulations) must be sought.

If the rangehood is being operated in recirculation mode, whereby the air is redirected into the room in which it is installed, the above restrictions do not apply.

Correct use

► Open flames are a fire hazard!

Never use an open flame under the rangehood. To avoid the danger of fire, do not flambé or grill over an open flame. When switched on, the rangehood could draw flames into the filter. Kitchen grease deposits could ignite.

► The rangehood can become damaged when exposed to excessive heat.

- When using the rangehood over a gas cooktop, ensure that any burners in use are always covered by a pan. Switch the cooking zone off when a pan is removed, even for a short time.
- Select a pan which is suitable for the size of the burner.
- Regulate the flame so that it does not burn up the sides of the pan.
- Avoid overheating the pan (e.g. when cooking with a wok).

► Always switch the rangehood on when a cooking zone is in use, otherwise condensation may collect in the rangehood, which could cause corrosion.

Warning and Safety instructions

▶ Overheated oil and fat can ignite, causing fire damage to the rangehood.

When cooking with oil or fat, chip pans and deep fat fryers etc., do not leave the pans unattended. Similarly, never leave an open grill unattended when grilling.

▶ Do not use the rangehood without the filters in place. This way you will avoid the risk of grease and dirt getting into the appliance and hindering its smooth operation.

▶ The rangehood can get very hot during cooking due to heat rising from the cooktop.

Do not touch the housing or the grease filters until the rangehood has cooled down.

▶ This rangehood is not suitable for placing objects on.

Correct installation

▶ To determine whether a rangehood may be operated above your cooking appliance, please refer to the information provided by the appliance's manufacturer.

▶ Safety regulations prohibit the fitting of a rangehood over solid fuel stoves.

▶ An insufficient safety distance between the stovetop and the rangehood can result in damage to the rangehood.

The minimum safety distances between the top of the cooktop and the bottom of the rangehood given in the "Installation" section of these instructions must be observed, unless the cooktop manufacturer states that a greater safety distance is required.

If more than one cooking appliance is fitted beneath the rangehood, and they have different minimum safety distances to the rangehood, select the greater distance.

▶ The information provided in "Installation" must be observed when installing the rangehood.

▶ There may be a risk of injury due to protruding parts and sharp edges.

Wear gloves that offer protection against cuts during assembly.

▶ All ducting, pipework and fittings must be of non-flammable material and comply with all relevant national and local building regulations.

Warning and Safety instructions

- ▶ The appliance must not be connected to a chimney or vent flue which is in current use for exhausting fumes from appliances burning gas or other fuels. Neither should it be connected to ducting which ventilates rooms with fireplaces.
- ▶ If exhaust air is to be extracted into a chimney or ventilation duct no longer used for other purposes, seek professional advice.

Cleaning and care

- ▶ There is a risk of fire if cleaning is not carried out as described in these operating instructions.
- ▶ Do not use a steam cleaning appliance to clean this appliance. The steam could reach electrical components and cause a short circuit.
- ▶ In areas which may be subject to infestation by cockroaches or other vermin, pay particular attention to keeping the machine and its surroundings in a clean condition at all times. Any damage which may be caused by cockroaches or other vermin will not be covered by the machine warranty.

Accessories and spare parts

- ▶ Use only genuine original Miele spare parts. If spare parts or accessories from other manufacturers are used, the warranty will be invalidated, and Miele cannot accept liability.
- ▶ Faulty components must only be replaced by genuine Miele spare parts. The manufacturer can only guarantee the safety of the appliance when Miele replacement parts are used.
- ▶ Miele will guarantee to supply functional spare parts for a minimum of 10 years and up to 15 years following the discontinuation of your appliance.

Caring for the environment

Disposal of the packing material

The transport and protective packaging has been selected from materials which are environmentally friendly for disposal, and can normally be recycled.

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

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

Only for Australia: Note for installer: Expanded polystyrene (EPS) packaging included. Please retain and dispose of EPS packaging responsibly. For further information, please contact Miele.

Disposing of your old appliance

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



Please dispose of it at your local community waste collection / recycling centre for electrical and electronic appliances. You are also responsible for deleting any personal data that may be stored on the appliance prior to disposal. Please ensure that your old appliance poses no risk to children while being stored prior to disposal.

Description of the functions

Depending on the model of the rangehood, the following options are available:

Air extraction mode



The air is drawn in and cleaned by the grease filters and directed outside.

cah0194a



The air is drawn in and cleaned first by the grease filters and then by a charcoal filter. The cleaned air is then recirculated back into the kitchen.

cah0194b

Operation with an external motor

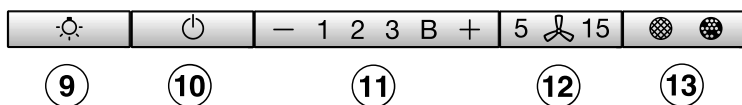
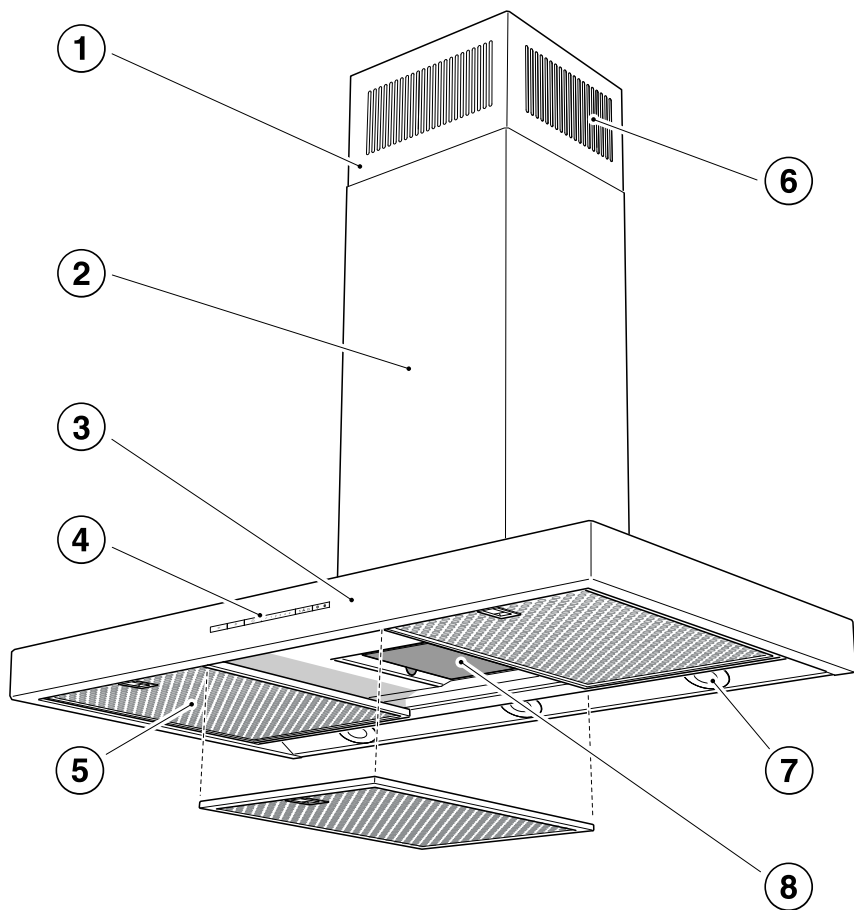
(EXT/EXTA model rangehoods)



Rangehoods designed for use with an external motor have to be connected to a Miele external motor located in a position of your choice outside the room. The external motor is connected to the rangehood by means of a control cable and is operated via Con@ctivity or by the controls on the rangehood.

cah0194c

Guide to the rangehood





- ① Telescopic extension piece
- ② Tower
- ③ Canopy
- ④ Control panel
- ⑤ Grease filter
- ⑥ Recirculation grilles
Only for recirculation mode
- ⑦ Cooktop lighting
- ⑧ Charcoal filter
Disposable or reactivatable charcoal filter
Optional accessory for recirculation mode
- ⑨ Control for switching the lighting on and off and for dimming the cooktop lighting
- ⑩ On/Off touch control for the fan
- ⑪ Touch controls for selecting the fan power level
- ⑫ Touch control for the run-on function
- ⑬ Touch control for the operating hours counter


Before using for the first time



Selecting extraction mode or recirculation mode

The rangehood can be operated with either extraction mode or recirculation mode. The power of the fan is adapted to suit the selected mode of operation. The rangehood is set up at the factory for recirculation mode. It has to be reset for extraction mode.

To reset it for extraction mode, the operating hours counter for the charcoal filter(s) has to be deactivated.

- Switch off the fan and the lighting.
- Press the + control and the operating hours control   at the same time.

The charcoal filter symbol  and one of the fan power levels will flash.

- Press and hold the + control until the **B** indicator starts to flash.
- Confirm your selection by pressing the operating hours control  .

All the indicator lights will go out.

Extraction mode has now been set.

If you do not confirm your selection within 4 minutes, the rangehood will automatically revert to the previous setting.

Setting up Miele@home

Prerequisites:

- a Wi-Fi network
- the Miele App
- a Miele user account. The user account can be created via the Miele App.

Your rangehood is equipped with an integrated Wi-Fi module. Connect the rangehood to your household Wi-Fi network. You will then be able to operate the rangehood via the Miele App.

If your Miele cooktop is connected to a home Wi-Fi network, you can control the rangehood automatically via the Con@ctivity function.

Before installing the rangehood in its final location, ensure that the signal of your Wi-Fi network is strong enough.

You can connect to the Wi-Fi network via the Miele@home App or via WPS.

Before using for the first time

Miele@home availability

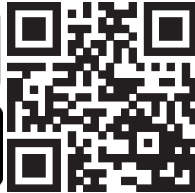
The ability to use the Miele App depends on the availability of the Miele@home service in your country.

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

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

Miele App

You can download the Miele App from the Apple App Store® or the Google Play Store™ free of charge (only functional in selected countries).



Connecting via the App

The Miele App can be used to connect to your network.

- Install the Miele App on your mobile device.

To log in you will need:

1. Your Wi-Fi network password
2. Your rangehood password



The password for your rangehood consists of the last nine digits of the serial number, which can be found on the appliance's data plate.

The data plate is visible after removing the grease filters.



- Start the appliance registration in the App. Follow the login steps.

If requested to activate Wi-Fi on the rangehood, proceed as follows:

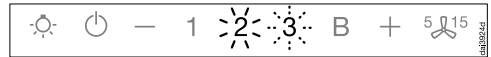
- Manually switch the rangehood off.



- Press and hold the + control.



- Press the lighting control ☀ at the same time.

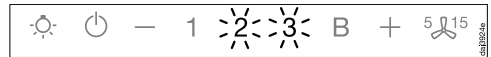


2 will light up constantly, **3** will flash on and off.

The rangehood is ready for connection during the next two minutes.



- Follow the instructions in the App.



When successfully connected **2** and **3** will light up constantly.



- Quit connection mode on the rangehood by pressing the run-on control 5 15.

The rangehood can now be operated via the App.

Before using for the first time

Connecting via WPS


Your Wi-Fi router must support WPS (Wi-Fi Protected Setup).

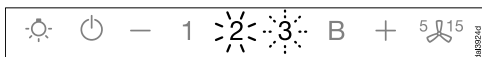
- Manually switch the rangehood off.



- Press and hold the + control.

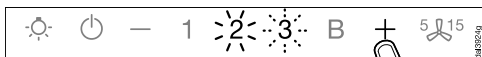


- Press the lighting control  at the same time.

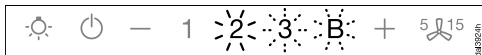


2 will light up constantly, **3** will flash on and off.

The Wi-Fi connection must be started on the rangehood at the same time as on the Wi-Fi router.



- Press the + control on the rangehood after a few seconds.

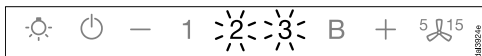


After a short while **2** will light up constantly, and **3** and **B** will flash on and off.

The rangehood is ready for connection during the next two minutes.




- Start the Wi-Fi connection on your Wi-Fi router.



When successfully connected **2** and **3** will light up constantly.



- Quit connection mode on the rangehood by pressing the run-on control .

The rangehood can now be operated via the App.

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

Useful tip: If your Wi-Fi router does not support WPS, please connect via the Miele App.

Before using for the first time

Signing out of Wi-Fi (reset to factory settings)


To set up a new Wi-Fi connection, the existing Wi-Fi connection must first be disconnected.

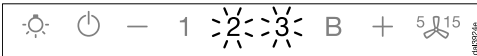
- Manually switch the rangehood off.



- Press and hold the – control.



- Touch the lighting control  at the same time.

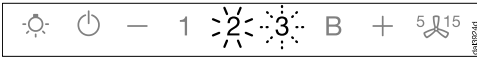


With an existing Wi-Fi connection **2** and **3** will light up constantly.

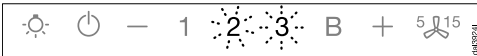
The rangehood is ready for disconnection during the next two minutes.



- Touch the – control.




2 will light up constantly, **3** will flash on and off.



After a few seconds **2** and **3** will flash on and off. The connection has now been disconnected.



- Quit disconnection mode on the rangehood by pressing the run-on control .

The Wi-Fi connection has been disconnected. A new connection can now be set up.

Setting up Con@ctivity

Con@ctivity is the direct communication system between an electric Miele cooktop and a Miele rangehood. It enables the rangehood to operate automatically depending on the operational state of a Miele cooktop with onset controls.

- When the cooktop is switched on, the cooktop lighting on the rangehood comes on independently and, after a short time, the fan also switches on.
- The rangehood selects the power level automatically during cooking. The power level selected by the rangehood depends on the number of cooking zones being used and their power levels.
- After switching the cooktop off, the fan and the cooktop lighting will switch off automatically after a specified period of time.

See “Operation” for detailed information about this function.

Before using for the first time

Con@ctivity via the home Wi-Fi network (Con@ctivity 3.0)

Prerequisites:

- Home Wi-Fi network
- Wi-Fi enabled Miele cooktop

- Connect the rangehood and cooktop to your home Wi-Fi network (see "Setting up Miele@home").

The Con@ctivity function will be activated automatically.

Con@ctivity via a direct Wi-Fi connection (Con@ctivity 3.0)

Prerequisite:

- Wi-Fi enabled Miele cooktop

If you do not have a home network, you can establish a direct connection between the cooktop and the rangehood.

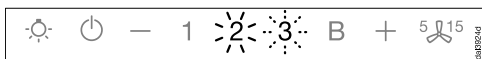
- Manually switch the rangehood off.



- Press and hold the + control.



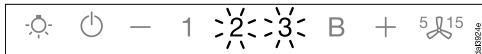
- Press the – control at the same time.



2 will light up constantly, **3** will flash on and off.

The rangehood is ready for connection during the next two minutes.

- Start the Wi-Fi connection on the cooktop. For further details, see the cooktop operating instructions.



When successfully connected **2** and **3** will light up constantly.

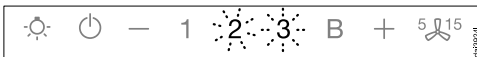


- Quit connection mode on the rangehood by pressing the run-on control **5**/**15**.

Con@ctivity has now been activated.

With a direct Wi-Fi connection, it is not possible to connect the cooktop and the rangehood to a home network. Should this be required at a later date, the direct Wi-Fi connection between the cooktop and the rangehood must be disconnected first (see "Signing out of Wi-Fi").

Reattempting the connection



If it is not possible to connect, **2** and **3** flash or the rangehood cancels the process.

- Disconnect the connection to the rangehood (see "Signing out of Wi-Fi") and to the cooktop.
- Attempt to make the connection again.

Operation (automatic mode)

When Con@ctivity is active, the rangehood always operates in automatic mode (see “Before using for the first time – Setting up Con@ctivity”).

If you wish to manually operate the rangehood, see “Operation (manual mode) – Cooking without Con@ctivity”.

Cooking with Con@ctivity (automatic mode)

- Switch on a cooking zone at any power level.

The cooktop lighting will come on.

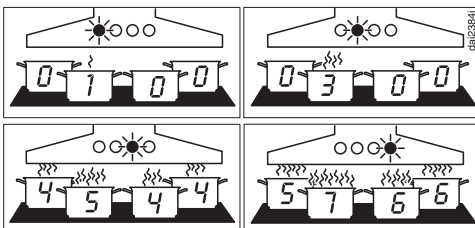
After a few seconds the fan will switch on, first at power level **2**, then it will switch immediately to power level **1**.

The rangehood selects the power level automatically during cooking.

This is determined by the total output of the cooktop, i.e. the number of cooking zones in operation and the power levels selected.

If you select a higher power level on the cooktop or are using several cooking zones, the rangehood will switch to a higher power level.

When you reduce the power level on the cooktop or the number of cooking zones being used, the rangehood power level will also be reduced.



Examples for power levels **1** to **B**

Reaction time

The rangehood reacts with a slight delay because altering the power level on the cooktop does not immediately result in a reduction or increase in cooking vapours.

Because the cooktop transmits the information to the rangehood at intervals, this can also cause delays.

The reaction can vary from a few seconds to a few minutes.

Cooking process

- For example, you switch on a cooking zone at the highest power level to heat a pan for frying. After approx. 10 seconds to 4 minutes, you then reduce the power level (60 seconds to 5 minutes for a radiant cooktop).

The rangehood recognises a cooking process.

The rangehood switches itself on and when the cooktop power level has been reduced, the rangehood switches to power level 3 and remains at that level for approx. 5 minutes.

After that the rangehood power level is determined automatically by the Con@ctivity function.

You can select another power level manually before then.

Switching off

- Switch off all cooking zones.

The rangehood fan will reduce its power level in stages over the next few minutes and will then switch itself off.

This helps to neutralise any lingering vapours and odours in the air.

- From the Booster setting, the fan switches immediately to level 3.


Operation (automatic mode)

- From level 3, it will switch to level 2 after approx. 1 minute.
- From level 2, it will switch to level 1 after 2 minutes.
- After 2 minutes at Level 1, the fan switches itself off.
- After another 30 seconds, the cooktop lighting switches off.

The cooking process is then finished.

Leaving automatic mode temporarily

To leave automatic mode temporarily during cooking:

- Manually select a different power level, or
- Manually switch the rangehood off, or
- Activate the run-on function  on the rangehood. The fan will switch itself off after the selected run-on time, and the lighting will remain on.

The rangehood functions are now operated manually (see “Operation (manual mode)”).

Returning to automatic mode

The rangehood returns to automatic mode:

- if the rangehood has not been used for approx. 5 minutes after selecting a power level manually, or
- if the manually selected power level corresponds to the automatic one again, or
- the rangehood fan and the cooktop have been switched off for at least 30 seconds.

Automatic mode will resume next time the cooktop is switched on.

You can also operate the rangehood manually for a complete cooking process.

- To do so switch the rangehood fan on **before** the cooktop.

If the rangehood fan and the cooktop have been switched off for at least 30 seconds after cooking, automatic mode will resume next time the cooktop is switched on.

Cooking without Con@ctivity (manual mode)


The rangehood can be operated manually if:

- the Con@ctivity function is not activated.
- You have temporarily deactivated the Con@ctivity function (see “Operation (manual operation) – Leaving automatic mode temporarily”).

Switching the fan on

Switch the fan on as soon as you start cooking. This is to ensure that vapours are captured right from the start.

- Press the On/Off touch control .

The fan will switch on at setting **2**. The  symbol and **2** will light up in the power level display.

Selecting a power level

For light to heavy cooking vapours and odours, select from power levels **1** to **3**.

For short periods of cooking food with intensive vapours and a strong aroma, e.g. when searing meat, select Booster setting **B**.

- Select the power level you want by pressing the **-** or **+** controls.

Reducing power down from the Booster setting




If Power management is activated (default setting), the fan automatically switches back to level **3** after 5 minutes.

Selecting the run-on time


It is advisable to run the fan for a few minutes after cooking has finished. This helps to neutralise any lingering vapours and odours in the air.

It also reduces the risk of residues accumulating in the rangehood and any resultant odours.

The run-on function allows the fan to continue to run for a pre-determined time before switching itself off automatically.

- After cooking has finished, press the run-on control  while the fan is still running:
 - Once: the fan will switch itself off after 5 minutes (**5** lights up).
 - Twice: the fan will switch itself off after 15 minutes (**15** lights up).
 - If you touch the run-on control  again, the fan will remain switched on ( will go out).

Switching the fan off


- Press the On/Off touch control  to switch the fan off.

The  symbol will go out.



Operation (manual mode)

Dimming/switching the cooktop lighting on/off

The cooktop lighting can be switched on and off and dimmed independently of the fan.

- Press the lighting control  briefly to switch it on or off.

The lighting will switch on at maximum brightness.

- To change the brightness, press and hold the lighting control  with the lighting switched on. The brightness will gradually dim until you release the control.
- To increase the brightness, press and hold the lighting  control again until the desired level has been reached and then release it.




Power management

The rangehood is fitted with a Power management system. The Power management system is designed to help save energy. It ensures that the fan power level is reduced automatically and that the lighting is switched off.

- If the Booster setting has been selected, the fan will automatically switch to setting 3 after 5 minutes.
- From fan power levels 3, 2 and 1, the power will be reduced by one level after 2 hours and then in 30-minute stages until the fan finally switches off.
- The cooktop lighting will switch off automatically after 12 hours.

You can deactivate Power management. Keep in mind that deactivating this function may increase energy consumption.

Activating/deactivating Power management

- Switch off the fan and the lighting.
- Press the run-on control  for approx. 10 seconds, until the indicator for power level **1** lights up.
- Then press in turn:
 - the lighting control ,
 - the **—** control, and again
 - the lighting control .

When Power management is activated, the **1** and **B** indicators light up constantly.

When it is deactivated, the **1** and **B** indicators flash.

- Press the **—** control to deactivate Power management.

The **1** and **B** indicators will flash.

- Press the **+** control to activate Power management.

The **1** and **B** indicators will light up constantly.



- Confirm the setting by pressing the run-on control .

All the indicator lights will go out.

If you do not confirm your selection of setting within 4 minutes, the rangehood will revert to the previous setting.

Safety switch-off



If Power management has been deactivated, the rangehood will switch itself off automatically after 12 hours if it has been left on (fan and cooktop lighting).

- To switch it back on press the On/Off  control or the lighting control .

Operation (automatic and manual modes)

Operating hours counter




The rangehood registers the length of time it has been operated.


When the grease filter symbol  or the charcoal filter symbol  lights up, the operating hours counters are signalling that the filters need to be cleaned or replaced. Further information about cleaning and replacing the filters and resetting the operating hours counters can be found under "Cleaning and care".

Altering the grease filter operating hours counter

You can set the operating hours counter to suit the type of cooking you do.



The factory setting is a cleaning interval of 30 hours.

- Select a shorter time of 20 hours if you fry a lot.
- If you only cook occasionally, we recommend that you still select a short time for the counter. This is to prevent grease from hardening on the filter and making cleaning more difficult.
- Select a longer time of 40 or 50 hours if you use very little fat for cooking.
- Switch off the fan and the lighting.
- Press the  and the operating hours control   at the same time.

The grease filter symbol  and one of the fan power level indicators will flash.

The fan power level indicators **1** to **B** show the time set:

1	20 hours
2	30 hours
3	40 hours
B	50 hours

- Press the **—** control for a shorter duration, or **+** for a longer duration.
- Confirm your selection by pressing the operating hours control  .

All the indicator lights will go out.

If you do not confirm your selection within 4 minutes, the rangehood will automatically revert to the previous setting.

Operation (automatic and manual modes)



Altering or deactivating the charcoal filter operating hours counter


The charcoal filter is needed for recirculation mode.

You can set the operating hours counter to suit the type of cooking you do.

It has to be deactivated for extraction mode.



It is set at the factory for 180 hours of use before the filters need replacing.

- Switch off the fan and the lighting.
- Press the + control and the operating hours control   at the same time.

The charcoal filter symbol  and one of the fan power levels will flash.

The fan power level indicators **1** to **B** show the time set:

1	120 hours
2	180 hours
3	240 hours
B	deactivated






- Select the duration you want with the + or - control.
- Confirm your selection by pressing the operating hours control  .

All the indicator lights will go out.

If you do not confirm your selection within 4 minutes, the rangehood will automatically revert to the previous setting.

Reading the filter operating hours counter

You can check the percentage of time set already used before the filters need replacing.

- Switch the fan on with the On/Off touch control .
- Press and hold the operating hours control  :
 - Once, to read the grease filter operating hours. The grease filter symbol  lights up.
 - Twice, to read the charcoal filter operating hours. The charcoal filter symbol  lights up.

One or more of the fan power level indicators will flash.

The number of flashing indicators shows the percentage of the operating time which has already been used up.


1	25 %
1 and 2	50 %
1 to 3	75 %
1 to B	100 %

The number of operating hours used remains in the memory even when the appliance is switched off or there is a power cut.

This rangehood operates very efficiently and economically. The following will help you to save even more energy when using it:

- Ensure that there is sufficient ventilation in the kitchen when cooking. In extraction mode, if there is insufficient air flow the rangehood cannot operate efficiently and this causes increased operating noise levels.
 - Always cook with the lowest possible setting. This produces fewer cooking vapours, so you can use a lower rangehood power level and therefore benefit from reduced energy consumption.
 - Clean or change the filters at regular intervals. Heavily soiled filters reduce performance, increase the risk of fire and are unhygienic.
- Use the Con@ctivity function. The rangehood will switch on and off automatically. The rangehood will select the optimum power level for the cooking you are doing, which ensures low energy consumption.
 - If you are operating the rangehood manually, please note the following:
 - Check the power level selected on the rangehood. A low power level is usually sufficient. Only use the Booster setting when necessary.
 - When a large volume of cooking vapours are being produced, switch to a high power level in good time. This is more efficient than operating the rangehood for longer to try to capture cooking vapours which have already been distributed throughout the kitchen.
 - Make sure that you switch the rangehood off after use. If cooking vapours and odours still need to be removed from the kitchen air after cooking, use the run-on function. The fan will switch off automatically after the selected run-on time.

Cleaning and care

 Before carrying out any maintenance or cleaning, the rangehood must be disconnected from the electricity supply (see “Warning and Safety instructions”).


Housing

General information

Unsuitable cleaning agents can damage the surfaces and control elements.

Do not use any cleaning agents containing soda, acid, chloride, or solvent.

Do not use any abrasive cleaning agents, e.g. powder cleaners or cream cleaners and abrasive sponges, or pot scourers or sponges which have been used previously with abrasive cleaning agents.

 Moisture in the rangehood can cause damage.
Make sure that water does not get into the rangehood.

- Clean all surfaces and control elements using a small amount of warm water and dishwashing liquid. Apply with a soft sponge.
- After cleaning, wipe the surfaces dry using a soft cloth.

Important information for appliances with stainless steel surfaces

This information does not apply to the control elements.

Stainless steel surfaces can be cleaned with a non-abrasive cleaning agent designed specifically for use on stainless steel.

To prevent the surfaces from quickly becoming dirty again, we recommend treating them with a stainless steel care product (available from Miele).

Important for appliances with lacquered casing

(special order finish)

Minor scratches on the surface are inevitable when cleaning the casing; they may be visible depending on the lighting in the kitchen.

Important information for the control elements

If soiling is not removed promptly, it could cause the control elements to alter or discolor.

Remove any soiling immediately.

The surface of the control elements can be damaged if they are cleaned using stainless steel cleaning agents. Do not use stainless steel cleaning agents on the control elements.

Grease filters

⚠ Fire hazard!

Oversaturated grease filters are a fire hazard.

Clean the grease filters at regular intervals.


The re-usable metal grease filters in the appliance remove solid particles (grease, dust, etc.) from the kitchen vapours, preventing soiling of the rangehood.

The grease filters must be cleaned at regular intervals.

Heavily soiled grease filters hinder air extraction and will lead to increased levels of soiling in the rangehood and in the kitchen.

Grease filter cleaning intervals

Accumulated grease solidifies over a longer period of time and makes cleaning more difficult. The grease filters should therefore be cleaned every 3 to 4 weeks.

The operating hours control reminds you to regularly clean the grease filters by illuminating the grease filter symbol .

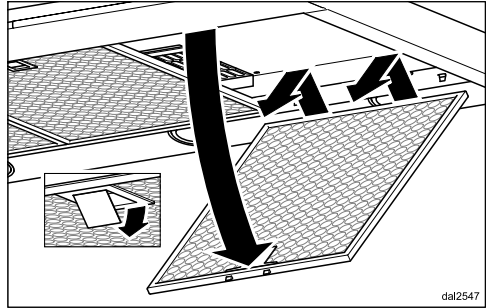
You can set the operating hours counter interval to suit the type of cooking you do (see "Operation (automatic and manual modes)").

Removing the grease filter

⚠ When handling the grease filter, be careful not to drop it.

This can result in damage to the filter and the cooktop below.

Make sure you hold the filter securely at all times when handling it.



- To take out the grease filter, release the locking clip on the filter, lower the filter approx. 45°, unhook it at the back and remove it.

Cleaning the grease filters by hand

- Clean the filters with a soft nylon brush in a mild solution of hot water and a small amount of washing-up liquid. Do not use undiluted washing up liquid.

Unsuitable cleaning agents


Unsuitable cleaning agents can cause damage to the surface of the filters if used regularly.

Do not use:

- cleaning agents containing descaling agents,
- powder cleaners or cream cleaners,
- aggressive all-purpose cleaning agents or spray cleaners for grease,
- oven sprays.

Cleaning and care

Cleaning the grease filters in the dishwasher

 Risk of damage due to excessively high temperatures in the dishwasher.

Excessively high temperatures may cause the grease filters to become unusable, if they become deformed, for example.

Select a programme that does not exceed the recommended temperature.

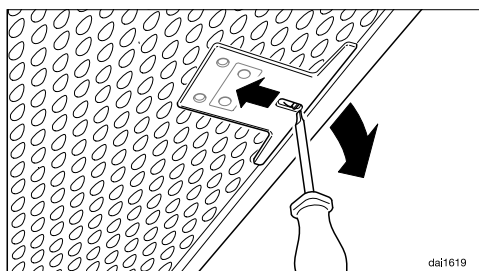
Also follow the information provided in the operating instructions for the dishwasher.

- Place the grease filters upright or slightly inclined in the lower basket. Ensure the spray arm is not obstructed.
- Use a standard household cleaning detergent.
- Select a programme with a maximum wash temperature of 65 °C.

Depending on the detergent used, the internal filter surfaces may become discoloured. This will not affect the functioning of the grease filters in any way.

After cleaning



- After cleaning, leave the filters to dry on an absorbent surface before refitting them.
- When removing the filters for cleaning, also clean off any residues of oil or fat from the now accessible housing to prevent the risk of these catching fire.
- Refit the grease filters. When inserting the grease filters, make sure that the latch faces outwards.




- If a grease filter is inadvertently fitted upside down, insert a small screwdriver blade into the slit to disengage the clip.



Resetting the grease filter operating hours counter

After cleaning, the operating hours counter needs to be reset.

- While the fan is switched on, press the operating hours control   for approx. 3 seconds until only **1** is flashing.

The grease filter symbol  goes out.

If the grease filters are cleaned before the operating hours counter has reached its maximum:

- Press the operating hours control   for approx. 6 seconds until only **1** is flashing.

Change grease filters

Regular use and cleaning can cause the filter surfaces to wear.

If you notice any damage, replace the grease filters.

You can obtain grease filters from Miele customer service (see end of these operating instructions) or from your Miele specialist dealer.

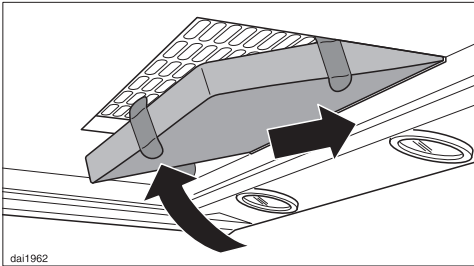
NoSmell active charcoal filter

With recirculation mode, a charcoal filter must be fitted in addition to the grease filters. The charcoal filter is designed to absorb cooking odours.

The charcoal filter is fitted in the canopy above the grease filters.

Fitting/replacing the charcoal filter


- Remove the grease filters before fitting or replacing the charcoal filter.
- Take the charcoal filter out of its packaging.



- Insert the charcoal filter into the back of the charcoal filter frame, then push up into the frame at the front.
- Refit the grease filters.


When to change the NoSmell active charcoal filter


- Replace the charcoal filter when it no longer absorbs kitchen odours effectively.
It should be replaced at least every 6 months.

The operating hours counter will remind you to replace the charcoal filter by lighting up the charcoal filter symbol .


Resetting the charcoal filter operating hours counter

After changing the charcoal filter, the operating hours counter needs to be reset.

- To do this, with the fan switched on, press the operating hours control  twice, then press it again and hold it for approx. 3 seconds until only **1** is flashing.

The charcoal filter symbol  goes out.

If you want to replace the charcoal filter **before** the operating hours counter has reached its maximum:

- Press the operating hours control  twice and hold it for approx. 6 seconds until only **1** is flashing.

Disposing of charcoal filters

- Used charcoal filters can be disposed of with the normal household waste.

Reactivatable charcoal filter

Reactivatable charcoal filters are available for this rangehood. They can be used several times after being reactivated in the oven.


- Please follow the operating instructions supplied with the filter.

Charcoal filters are available to order via the Miele online shop (see end of this booklet for contact details) or directly from Miele.

The charcoal filters are listed under “Technical data” at the back of this booklet.

Installation

Before installation

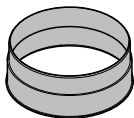
 Before installation, it is important to read the information given on the following pages as well as the “Warning and Safety instructions” at the beginning of this booklet.

Protective foil

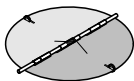
The housing components have protective foil around them to prevent them from transport damage.

- Please remove this foil before fitting the housing components. It can be peeled off easily.

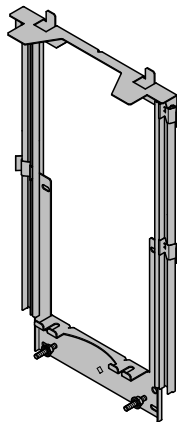
Installation materials



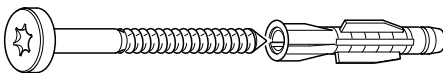
1 exhaust connection
for exhaust ducting \varnothing 150 mm.




1 non-return flap
for fitting into the exhaust connection on the motor unit (not needed for recirculation mode).



Telescopic wall bracket
for securing the rangehood to the wall



**6 screws 5 x 60 mm and
6 plugs 8 x 50 mm**
for securing the rangehood to the wall.

 The screws and wall plugs are designed for use in solid walls only. For other types of wall construction, alternative fixings are required. Make sure the wall is able to take the weight of the rangehood.



2 M6 locknuts
for securing the appliance



2 screws, 3.9 x 7.5 mm
for securing the chimney

0856 1000

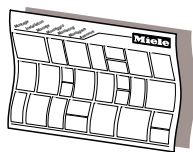
540New-02048620

08565780

08272520

00031892

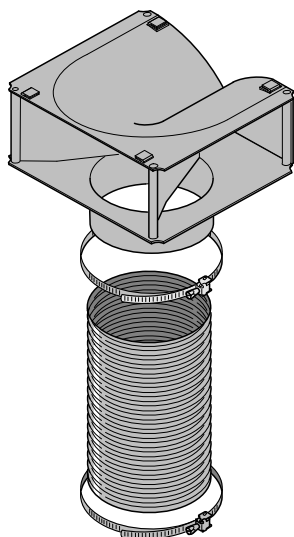
08256130



dina3eme

Installation plan

See the installation plan for details on the individual steps involved in the installation of this appliance.



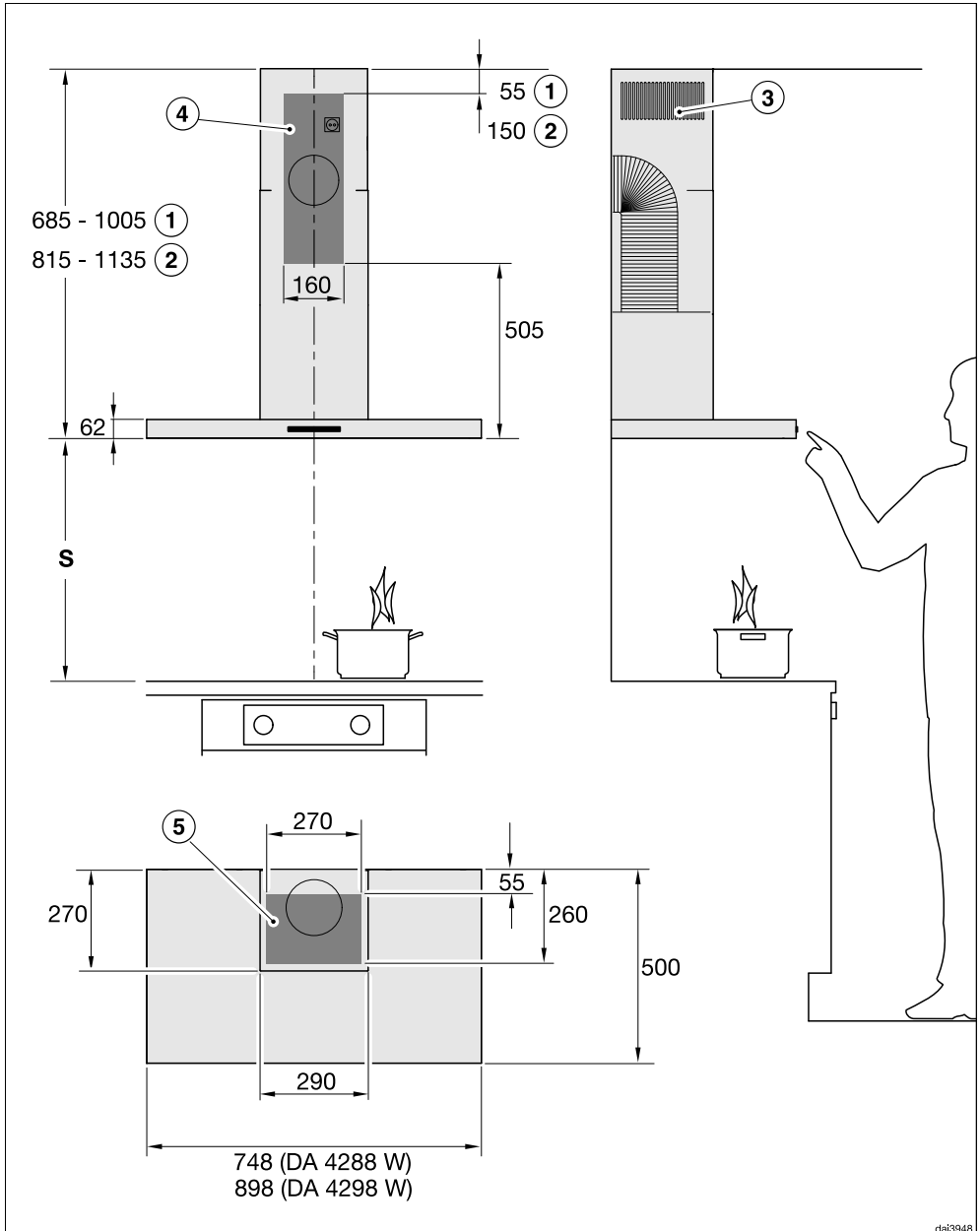
DUM20

Conversion kit for recirculation mode

The conversion kit contains an exhaust grille, hose, and hose clips (not supplied, but available as an optional accessory. See “Technical data”).

Installation

Appliance dimensions



The drawing is not to scale

- ① Exhaust air
- ② Recirculation
- ③ Ventilation grille positioned at the top for recirculation
- ④⑤ Installation area (only ④ is required for recirculation mode). Wall and ceiling area for the vent cut-out, for fitting the wall socket and for feeding the connection cable through to the external motor for EXTA models. For recirculation mode, only a wall socket needs to be fitted.

Exhaust connection \varnothing 150 mm

Safety distance (S)

The minimum distances between the cooking surface of a cooktop (pan support(s) for gas models) and the bottom of the rangehood are as follows, unless a greater distance is specified by the manufacturer of your cooking appliance. See also “Warning and Safety instructions”.

Cooking appliance	Minimum distance S
Electric cooktop	600 mm (AU, NZ) 450 mm (HK, MY, SG, TH, TW)
Electric grill, deep fat fryer (electric)	650 mm
Multi-burner gas cooktop with maximum 45.4 MJ/h total output, with no burner having a greater output than 16.2 MJ/h.	650 mm
Multi-burner gas cooktop with total output greater than 45.4 MJ/h, but with a maximum of 77.8 MJ/h, with no burner having a greater output than 17.3 MJ/h.	760 mm
Multi-burner gas cooktop with total output greater than 77.8 MJ/h, with a single burner having a greater output than 17.3 MJ/h.	Not possible
Single burner gas cooktop with a maximum output of 21.6 MJ/h.	650 mm
Single burner gas cooktop with an output greater than 21.6 MJ/h, but with a maximum of 29.2 MJ/h.	760 mm
Single burner gas cooktop with an output greater than 29.2 MJ/h.	Not possible

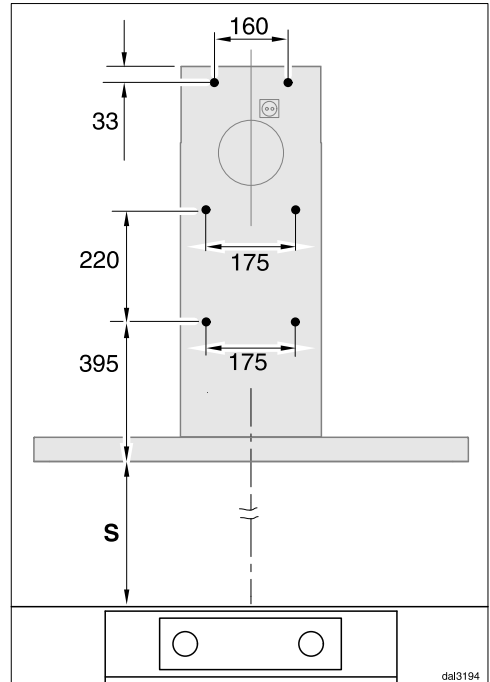
Installation

Installation recommendations

- When deciding on the safety distance between the cooktop and rangehood, please note that a distance of 650 mm above electric cooktops may be preferable to give more working space under the rangehood.
- Account should also be taken of the height of the person who will be using the rangehood most often. They should have sufficient space to work comfortably at the cooktop, and be able to reach the rangehood controls with ease.
- If positioned too high, extraction will be inefficient.
- To achieve optimum vapour extraction, the rangehood must be positioned centrally over the cooktop, not to the side.
- The cooktop should be no wider than the rangehood and, if possible, it should be narrower, especially for safety distances greater than 750 mm.
- The installation area must be easily accessible. The rangehood should be easily accessible and easy to dismantle in the event that service is required. This should be taken into consideration when planning the position of cupboards, shelves, ceilings or features in the vicinity of the rangehood.


Drilling diagram for wall mounting

- Please follow the directions given in the installation instructions supplied for drilling.



- For pre-installation of a back wall where the holes have to be pre-drilled, please refer to the drilling distances in the drawing above (screws \varnothing 5 mm).

Connection for air extraction

 Before installation, it is important to read the information given on the following pages as well as the "Appliance dimensions" and the "Warning and Safety instructions" at the beginning of this booklet. This is particularly crucial when using the rangehood at the same time as a heating appliance that relies on oxygen from the same room, which could result in the build-up of toxic fumes.

The rangehood should be installed according to local and national building regulations. Seek approval from the building inspector where necessary.

Only use smooth pipes or flexible ducting made from approved non-flammable materials for exhaust ducting.

With ... EXT/EXTA rangehoods, the exhaust ducting must have a stable shape. The external motor can cause an underpressure which can result in the exhaust ducting distorting.

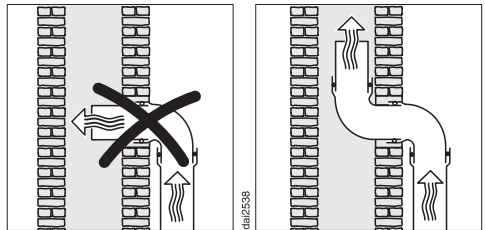
To achieve the most efficient air extraction with the lowest noise levels, please note the following:

- The diameter of the exhaust ducting must not be smaller than the cross-section of the exhaust connection (see "Appliance dimensions"). This is particularly applicable when using flat ducting.
- The exhaust ducting must be as short and straight as possible.
- Only use wide radius bends.

- The exhaust ducting must not be kinked or compressed.
- All connections must be strong and airtight.
- If the ducting has flaps, these must be opened when the rangehood is switched on.

Any constriction of the airflow will reduce extraction performance and increase operating noise.

Vent flue



If the exhaust air is to be ducted into a vent flue, the ducting must be directed in the flow direction of the flue.

If the flue is used by several ventilation units, the cross-section of the flue must be large enough.

Non-return flap

- Make sure you use a non-return flap in the exhaust air system.

A non-return flap ensures that when the rangehood is not in operation, the duct is closed and no exchange of room and outside air can take place.

If the exhaust air is ducted through an outside wall, a Miele wall vent or a Miele roof vent (available as an optional accessory) is recommended. These are fitted with an integrated non-return flap.

If the on-site exhaust air system does not have a non-return flap, one is supplied with the rangehood.

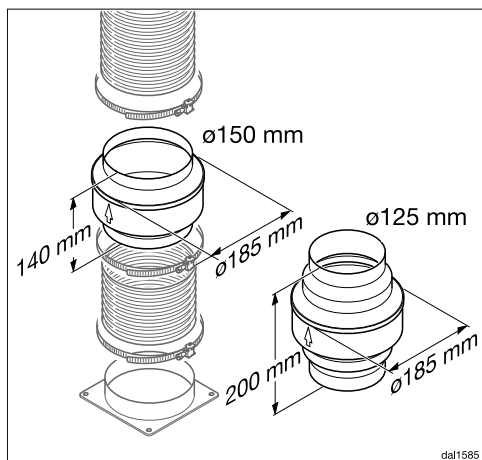
Installation

The non-return flap is fitted to the fan's exhaust connection.

Condensed water

If the exhaust ducting is to run through rooms, ceiling space etc., condensate may form in the ducting due to variations in temperature between the different areas. To minimise temperature variations, the exhaust ducting will need to be suitably insulated.

Where ducting is horizontal, it must be laid to slope away at at least 1 cm per metre. The gradient ensures that condensate cannot drain back into the rangehood.



In addition to insulating the exhaust ducting, we recommend that a suitable condensate trap is also installed to collect and evaporate any condensate which may occur.

Condensate traps are available for 125 mm or 150 mm ducting.

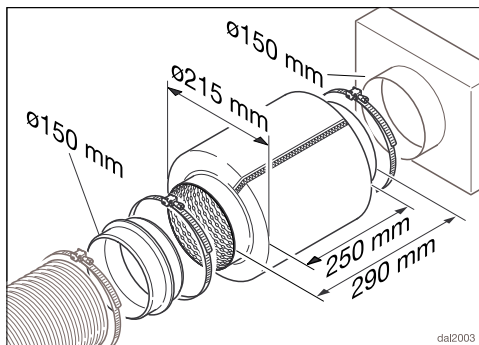
When installing a condensate trap, ensure that it is positioned vertically and, if possible, directly above the

exhaust socket. The arrow on the housing indicates the direction of airflow.

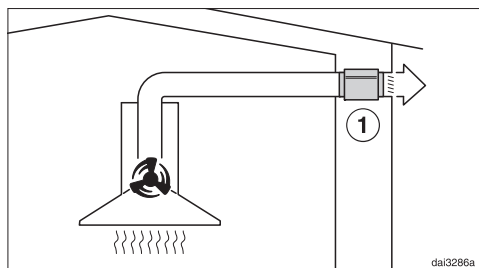
The condensate trap is integrated in rangehoods which are designed to be connected to an external motor (EXT/EXTA models).

Miele will not accept warranty claims for any functional defects or damage caused by inadequate ducting.

Silencer

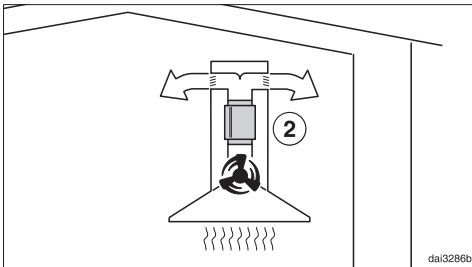


To achieve even further reductions in noise levels, a special silencer (optional accessory) can be fitted in the ducting system.

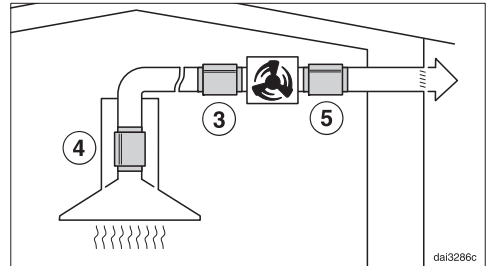


In extraction mode the silencer not only reduces noise from the fan outside the house, but also sounds from outside which reach the kitchen via the vent ducting (e.g. traffic noise). For this

reason, the silencer must be positioned as close as possible to the ducting exit ①.



In recirculation mode the silencer needs to be positioned between the exhaust connection and the directional unit ②. Please ensure there is adequate installation space.



When using an external motor, fan noises both outside and within the kitchen can be reduced.

If the silencer is positioned in front of the external motor ③, noises within the kitchen are reduced. If the exhaust ducting is long, the silencer needs to be positioned at the exhaust connection directly above the rangehood itself ④.

In the case of an external motor located inside the house, fitting a silencer behind the external motor ⑤ reduces the noise of the motor outside the house.

Installation

Electrical connection

The rangehood is supplied with a mains connection cable with moulded plug ready for connection to a suitable earthed socket.

If the socket is not easily accessible or if the appliance is to be hard-wired, ensure that a suitable means of disconnection is provided on the installation side for each pole.



Risk of fire from overheating.

Connecting the rangehood to multi-socket adapters or extension cables can overload the cables.

For safety reasons, do not use an extension cable or multi-socket adapter.

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

For safety reasons, we recommend using a suitable residual current device (RCD) in the relevant electrical installation for connecting the rangehood.

If the mains connection cable is damaged, it must only be replaced with a specific mains connection cable of the same type (available from Miele). For safety reasons, such replacement may only be carried out by a suitably qualified and competent electrician or a Miele authorised service technician, in order to avoid a hazard.

The data plate indicates the nominal power consumption and the connection data. Compare this information with the data of the on-site electrical connection. If in any doubt, consult a qualified electrician.

Temporary or permanent operation with a self-sufficient or non-mains synchronous energy supply system (e.g. isolated networks, back-up systems) is possible. A requirement for the operation is that the energy supply system complies with all current local and national requirements that apply to stand-alone, solar and/or battery systems. The protective measures provided in the domestic installation and in this Miele product must also be assured in their function and operation in isolated operation or in non-mains synchronous operation, or replaced with equivalent measures in the installation.

You can find information on how to remedy faults yourself and about Miele spare parts at www.miele.com.au/service or www.miele.co.nz/service.

Contact in case of fault

In the event of any faults which you cannot remedy yourself, please contact Miele.

You can book a Miele customer service call-out online at www.miele.com.au/service or www.miele.co.nz/service.

Contact information for Miele can be found at the end of this booklet.

Please quote the model and serial number of your appliance when contacting Miele. This information can be found on the data plate.

Position of the data plate

The data plate is visible after removing the grease filters.

Warranty

The manufacturer's warranty for this appliance is 2 years.

For further information, please refer to your warranty booklet.

Technical data

Fan motor*	230 W
Cooktop lighting	
DA 4288 W	2 x 3 W
DA 4298 W	3 x 3 W
Total rated load*	
DA 4288 W	236 W
DA 4298 W	239 W
Voltage, frequency	AC 230 V, 50 Hz
Fuse rating	10 A
Mains connection cable length	1.5 m
Weight	
DA 4288 W	23 kg
DA 4298 W	25 kg
DA 4298 W EXTA	22 kg

* For EXTA models, the rated load will depend on the type of external motor fitted.
Length of connection cable to external motor: 1.7 m

Wi-Fi module

Frequency band	2.400–2.4835 GHz
Maximum transmission power	< 100 mW

Optional accessory for recirculation mode

Conversion kit DUW 20 and one charcoal filter DKF 12-1 or DKF 12-R (reactivatable)

Miele Australia Pty. Ltd.

ACN 005 635 398

ABN 96 005 635 398

Miele Head Office Melbourne:

Level 4, 141 Camberwell Road

Hawthorn East, VIC 3123

1300 464 353 (1300 4 MIELE)**info@miele.com.au****www.miele.com.au****Hong Kong, China**

Miele (Hong Kong) Ltd.

41/F - 4101, Manhattan Place

23 Wang Tai Road, Kowloon Bay

Hong Kong

Tel.: (852) 2610 1025

Fax: (852) 3579 1404

E-mail: customerservices@miele.com.hk

Website: www.miele.hk

Singapore

Miele Pte. Ltd.

29 Media Circle

#11-04 ALICE@Mediapolis

Singapore 138565

Tel.: +65-67351191

Fax: +65-67351161

E-mail: info@miele.com.sg

Internet: www.miele.sg

Miele Global Headquarters Germany**Miele & Cie. KG** Carl-Miele-Straße 29, 33332 Gütersloh, Federal Republic of Germany**Miele New Zealand Ltd.**

IRD 98 463 631

Head Office:

8 College Hill

Freemans Bay, Auckland 1011

0800 464 353 (0800 4 MIELE)**customercare@miele.co.nz****www.miele.co.nz****Malaysia**

Miele Sdn Bhd

Suite 12-2, Level 12

Menara Sapura Kencana Petroleum

Solaris Dutamas No. 1, Jalan Dutamas 1

50480 Kuala Lumpur, Malaysia

Phone: +603-6209-0288

Fax: +603-6205-3768

Thailand

Miele Appliances Ltd.

BHIRAJ TOWER at EmQuartier

43rd Floor Unit 4301-4303

689 Sukhumvit Road

North Klongton Sub-District

Vadhana District

Bangkok 10110, Thailand

DA 4288 W, DA 4298 W, DA 4298 W EXTA

en-AU, NZ

M.-Nr. 11 559 050 / 02