

EXTRACTOR HOOD

AL400122 AL400192

GAGGENAU



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Scan the QR code on the title page.



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1 Safety

Observe the following safety instructions.

1.1 Definition of the signal words

This is where you can find explanations for the safety signal words used in this manual.

WARNING

This indicates that death or serious injuries may occur as a result of non-observance of this warning.

ATTENTION

This indicates that damage to the appliance or other material damage may occur as a result of non-compliance with this warning.

Note: This alerts you to important information.

1.2 General information

- Read this instruction manual carefully.
- Keep the instruction manual and the product information safe for future reference or for the next owner.
- Do not connect the appliance if it has been damaged in transit.

1.3 Intended use

This appliance is not intended to be used as a built-in appliance.

The appliance can only be used safely if it is correctly installed according to the safety in-

structions. The installer is responsible for ensuring that the appliance works perfectly at its installation location.

Only use this appliance:

- For extracting cooking vapour.
- in private households and in enclosed spaces in a domestic environment.
- Up to an altitude of 2000 m above sea level.

Do not use the appliance:

- On boats or in vehicles.
- With an external timer.

1.4 Restriction on user group

This appliance may be used by children aged 8 or over and by people who have reduced physical, sensory or mental abilities or inadequate experience and/or knowledge, provided that they are supervised or have been instructed on how to use the appliance safely and have understood the resulting dangers.

Do not let children play with the appliance. Children must not perform cleaning or user maintenance unless they are at least 15 years old and are being supervised. Keep children under the age of 8 years away from the appliance and power cable.

2 Avoiding material damage

ATTENTION

Condensate may cause corrosion damage.

- ▶ To prevent condensation from building up, switch on the appliance during cooking.

If moisture gets into the controls, this may result in damage.

- ▶ Never clean controls with a wet cloth. Incorrect cleaning damages the surfaces.
- ▶ Follow the cleaning instructions.

- ▶ Do not use harsh or abrasive detergents.
- ▶ Clean stainless steel surfaces in the direction of the finish only.
- ▶ Never clean controls with stainless steel cleaners. Objects set down on the appliance may damage the appliance or the hob when retracting or extending.
- ▶ Do not place any objects on the appliance.

3 Environmental protection and saving energy

3.1 Disposing of packaging

The packaging materials are environmentally compatible and can be recycled.

- ▶ Sort the individual components by type and dispose of them separately.

3.2 Saving energy

If you follow these instructions, your appliance will use less power.

Adjust the fan speed to the amount of steam produced during cooking.

- ✓ The lower the fan speed, the less energy is consumed.
- ✓ Only use the intensive mode as required.

If cooking produces large amounts of steam, select a higher fan speed in good time.

- ✓ The odours are distributed around the room less.

Switch off the lighting if it is no longer required.

- ✓ When the lighting is switched off, it does not consume any energy.

Clean or replace the filters at regular intervals.

- ✓ The effectiveness of the filter is retained.

Put the cooking lid on.

- ✓ The cooking vapours and condensation are reduced.

Only use the additional functions if required.

- ✓ Switching off additional functions reduces power consumption.

4 Operating modes

You can use your appliance in air extraction mode or circulating-air mode.

4.1 Air extraction mode

The air which is drawn in is cleaned by the grease filters and conveyed to the exterior by a pipe system.



The air must not be discharged into a flue that is used for exhausting fumes from appliances burning gas or other fuels (not applicable to appliances that only discharge the air back into the room).

- If the exhaust air is to be conveyed into a non-functioning smoke or exhaust gas flue, you must obtain the consent of the heating engineer responsible.
- If the exhaust air is conveyed through the external wall, a telescopic duct should be used.

4.2 Air recirculation

The air which is drawn in is cleaned by the grease filters and an odour filter, and conveyed back into the room.



To bind odours in air recirculation mode, you must install an odour filter. The different options for operating the appliance in air circulation mode can be found in our catalogue. Alternatively, ask your dealer. The required accessories are available from specialist retailers, from our after-sales service or from the online shop.

Note: When cooking intensively and for a long time, moisture is released into the air in the room. When using the appliance in air recirculation mode, we recommend ventilating the kitchen adequately, e.g. by briefly opening a window to remove excessive moisture.

5 Familiarising yourself with your appliance

5.1 Controls

You can use the control panel to configure all functions of your appliance and to obtain information about the operating status.
All function selection buttons light up when they are active. The indicator light for the saturation indicator flashes.

	Switching the lighting on or off
	Reset the filter saturation indicator
	Switching the fan run-on on or off
	Switching intensive mode on or off

3	Switch fan setting 3 on or off
2	Switch fan setting 2 on or off
1	Switch fan setting 1 on or off
ⓘ	Switch the appliance on or off

5.2 Safety switch-off function

For your protection, the appliance has a safety switch-off function.
The appliance switches the lighting off after 12 hours and the ventilation system after 4 hours if you do not operate the appliance during this period.

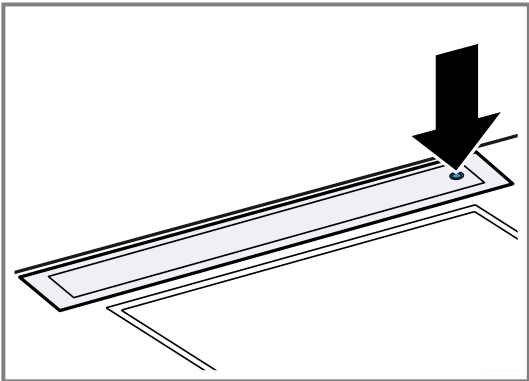
6 Before using for the first time

Clean the appliance and accessories.

7 Basic operation

7.1 Extending the appliance

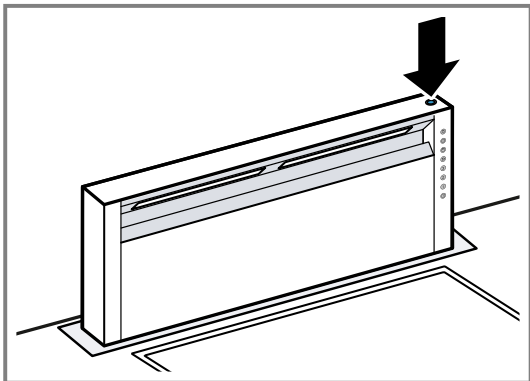
-  **WARNING – Risk of crushing!**
Risk of trapping when retracting or extending the appliance.
- ▶ Never reach into the movement area of the appliance when it is retracting or extending.
 - ▶ Keep children away from the appliance.
-  **WARNING – Risk of burns!**
Cookware set down within the movement area of the appliance may fall over. Hot liquids that pour out can cause injury.
- ▶ Do not set down any cookware within the movement area of the appliance.
1. Remove any objects from the appliance's area of movement.
 2. Press the button on the top of the appliance.



✓ The appliance extends fully.

7.2 Retracting the appliance

-  **WARNING – Risk of crushing!**
Risk of trapping when retracting or extending the appliance.
- ▶ Never reach into the movement area of the appliance when it is retracting or extending.
 - ▶ Keep children away from the appliance.
-  **WARNING – Risk of burns!**
Cookware set down within the movement area of the appliance may fall over. Hot liquids that pour out can cause injury.
- ▶ Do not set down any cookware within the movement area of the appliance.
- Requirement:** The filter cover is completely closed.
1. Remove any objects from the appliance's area of movement.
 2. Press the button on the top of the appliance.



✓ The appliance retracts fully.
✓ The appliance switches the light and the ventilation system off.

7.3 Switching on the appliance

Requirement: The appliance is fully extended.

- ▶ Press ①.
- ✓ The appliance starts at fan setting 2.

7.4 Switching off the appliance

- ▶ Press ①.

7.5 Setting a fan setting

- ▶ Press 1, 2, 3 or >> to set the fan setting.

7.6 Switching on the intensive setting

If particularly strong odours or vapours develop, you can use intensive mode.

- 1. Press ①.
- ✓ The appliance starts at fan setting 2.
- 2. Press >>.
- ✓ Intensive mode is now activated.
- ✓ After approx. 6 minutes, the appliance switches back to the fan setting that was previously selected.

7.7 Switching off the intensive setting

- ▶ Press ①, 1, 2 or 3.
- ✓ Intensive mode is ended early.

7.8 Switching on the fan run-on

The fan run-on is available for every fan setting.

- 1. Press 1, 2, 3 or >>.
- 2. Press ①.
- ✓ The fan run-on starts at the selected fan setting.
- ✓ The appliance switches off after approx. 10 minutes.
- ✓ The lighting remains on once the fan run-on time has elapsed.

7.9 Switching off the fan run-on

- ▶ Press ①.
- ✓ The fan run-on ends before the remaining run-on time has elapsed.

7.10 Switching on intermittent ventilation

With intermittent ventilation, the appliance switches the ventilation on and off at regular intervals.

- 1. Press 1, 2 or 3.
- 2. Press ① twice.
- ✓ ① and the symbol for the selected fan setting flash alternately.
- ✓ Interval ventilation is switched on.
- ✓ The appliance switches on the ventilation system for approx. 10 minutes every hour in each case.

7.11 Switching off intermittent ventilation

- ▶ Press ①.
- ✓ Intermittent ventilation is switched off.

7.12 Switching on the lighting

The lighting can be switched on and off independently of the ventilation system.

- ▶ Press ☀.

7.13 Setting the brightness

- ▶ Press and hold ☀ until the required brightness is reached.

7.14 Switching off the lighting

- ▶ Press ☀.

7.15 Resetting the saturation indicator

After 30 hours of operation, the saturation indicator ⑥ for the grease filter flashes.

- 1. Clean the grease filters.
→ "Cleaning and servicing", Page 5
- 2. Press ⑥.

8 Cleaning and servicing

8.1 Cleaning products

You can obtain suitable cleaning products from after-sales service or the online shop.

⚠ WARNING – Risk of electric shock!

An ingress of moisture can cause an electric shock.

- ▶ Before cleaning, pull out the mains plug or switch off the fuse in the fuse box.
- ▶ Do not use steam- or high-pressure cleaners to clean the appliance.

⚠ WARNING – Risk of burns!

The appliance becomes hot during operation.

- ▶ Allow the appliance to cool down before cleaning.

ATTENTION

Unsuitable cleaning products may damage the surfaces of the appliance.

- ▶ Do not use harsh or abrasive detergents.
- ▶ Do not use cleaning products with a high alcohol content.
- ▶ Do not use hard scouring pads or cleaning sponges.
- ▶ Only use glass cleaners, glass scrapers or stainless steel care products if recommended in the cleaning instructions for the relevant part.
- ▶ Wash sponge cloths thoroughly before use.

8.2 Cleaning the appliance

Clean the appliance as specified. This will ensure that the different parts and surfaces of the appliance are not

damaged by incorrect cleaning or unsuitable cleaning products.

⚠ WARNING – Risk of explosion!

Highly caustic alkaline or highly acidic cleaning agents in conjunction with aluminium parts in the interior of the appliance may cause explosions.

- ▶ Never use highly caustic alkaline or highly acidic cleaning agents. In particular, do not use commercial or industrial cleaning agents in conjunction with aluminium parts, e.g. grease filter on extractor hoods.

⚠ WARNING – Risk of electric shock!

An ingress of moisture can cause an electric shock.

- ▶ Before cleaning, pull out the mains plug or switch off the fuse in the fuse box.
- ▶ Do not use steam- or high-pressure cleaners to clean the appliance.

⚠ WARNING – Risk of burns!

The appliance becomes hot during operation.

- ▶ Allow the appliance to cool down before cleaning.

⚠ WARNING – Risk of injury!

Components inside the appliance may have sharp edges.

- ▶ Carefully clean the appliance interior.

1. Observe the information regarding the cleaning agents.

→ "Cleaning products", Page 5

2. Clean as follows, depending on the surface:

- ▶ Clean stainless steel surfaces in the direction of the finish using a sponge cloth and hot soapy water.
- ▶ Clean painted surfaces using a damp sponge cloth and hot soapy water.
- ▶ Clean aluminium using a soft cloth and glass cleaner.
- ▶ Clean plastic using a soft cloth and glass cleaner.
- ▶ Clean glass using a soft cloth and glass cleaner.

3. Dry with a soft cloth.

4. Apply a thin layer of the stainless steel cleaning product to stainless steel surfaces using a soft cloth. You can obtain stainless steel cleaning products from the after-sales service or the online shop.

8.3 Cleaning controls

⚠ WARNING – Risk of electric shock!

Penetrating moisture may cause an electric shock.

- ▶ Do not use wet sponge cloths.

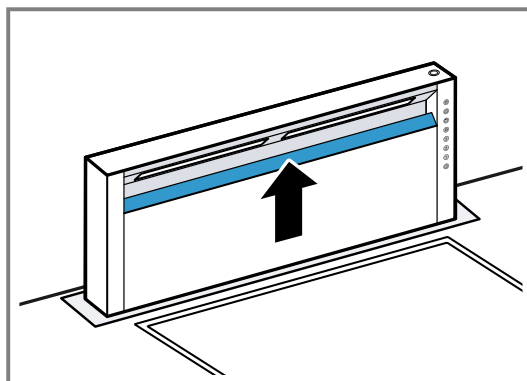
1. Observe the information regarding the cleaning agents.

→ "Cleaning products", Page 5

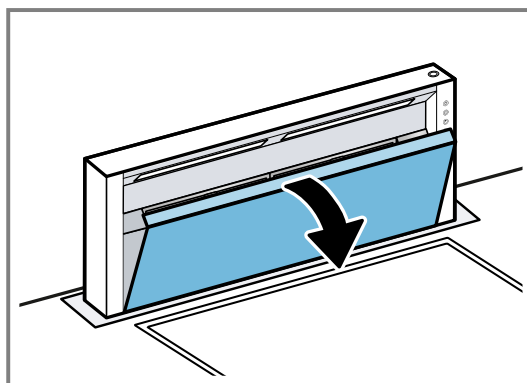
2. Clean using a damp sponge cloth and hot soapy water.
3. Dry with a soft cloth.

8.4 Opening the filter cover

1. Grip the filter cover in the middle and pull it upwards.

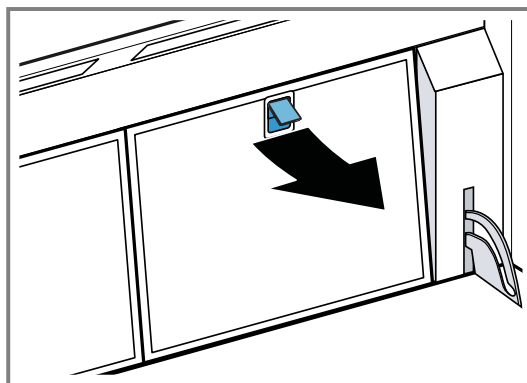


2. Fold the filter cover forwards.

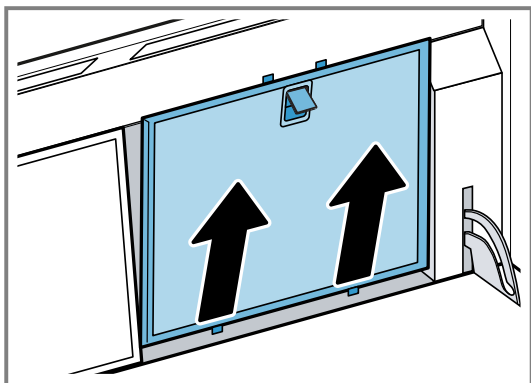


8.5 Removing the grease filter

1. Open the locking mechanism and tilt the grease filter forwards.



2. Remove the grease filters from the holders.



To prevent grease from dripping, hold the grease filters level.

3. Clean the grease filter holder in the appliance using a damp cloth.

8.6 Cleaning grease filters manually

The grease filters filter the grease from the cooking vapour. Regularly cleaned grease filters guarantee a high level of grease removal. We recommend cleaning the grease filters every two months.

⚠ **WARNING – Risk of fire!**

Fatty deposits in the grease filters may catch fire.

- Clean the grease filters regularly.

Requirement: The grease filters have been removed.

→ "Removing the grease filter", Page 6

1. Observe the information regarding the cleaning agents.
→ "Cleaning products", Page 5
2. Soak the grease filter in hot soapy water.
Use special grease solvent for stubborn dirt. You can obtain grease solvents from customer service or the online shop.
3. Use a brush to clean the grease filters.
4. Rinse the grease filters thoroughly.
5. Allow the grease filters to drain.

8.7 Cleaning grease filters in the dishwasher

The grease filters filter the grease from the cooking vapour. Regularly cleaned grease filters guarantee a high level of grease removal. We recommend cleaning the grease filters every two months.

⚠ **WARNING – Risk of fire!**

Fatty deposits in the grease filters may catch fire.

- Clean the grease filters regularly.

ATTENTION

The grease filters may become damaged if they are squeezed in the dishwasher.

- Do not squeeze the grease filters.

Note: When cleaning the grease filter in the dishwasher, light discolouration may occur. This discolouration has no effect on the performance of the metal grease filters.

Requirement: The grease filters have been removed.

→ "Removing the grease filter", Page 6

1. Observe the information regarding the cleaning agents.
→ "Cleaning products", Page 5
2. Place the grease filters loosely into the dishwasher.
Do not clean heavily soiled grease filters with utensils. Use special grease solvent for stubborn dirt. You can obtain grease solvents from customer service or the online shop.
3. Start the dishwasher.
Select a temperature of no more than 70 °C.
4. Allow the grease filters to drain.

8.8 Removing the grease drain channels

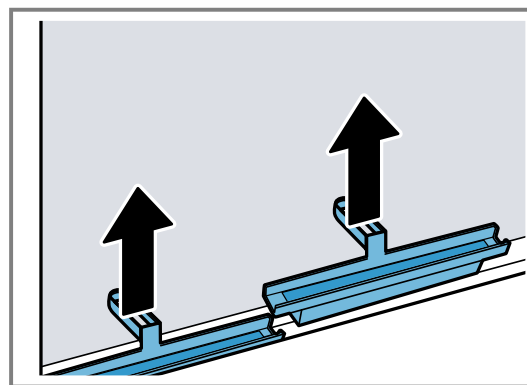
Notes

- To facilitate cleaning, you can remove the grease drain channels.
- The grease drain channels are located behind the filter cover under the grease filter.

Requirement: The grease filters have been removed.

→ "Removing the grease filter", Page 6

- Remove the grease drain channels upwards.



8.9 Cleaning the grease drain channels

- Clean the grease drain channels in the dishwasher or manually with hot soapy water.

8.10 Inserting the grease drain channels

- Insert the grease drain channels.

8.11 Installing the grease filters

1. Insert the grease filters.
2. Fold the grease filter backwards and engage the locking mechanism.

8.12 Closing the filter cover

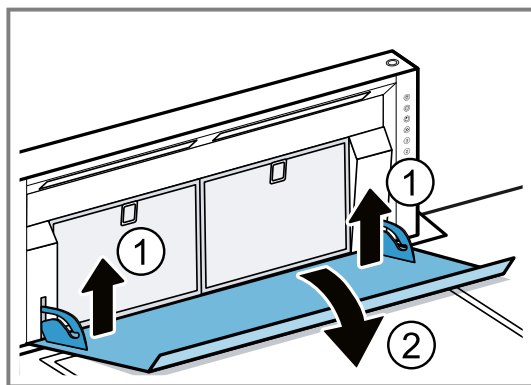
1. Grip the filter cover in the middle and fold it up.
✓ The filter cover snaps in.
2. Reset the saturation indicator. → Page 5

8.13 Removing the filter cover

Note: For better cleaning, you can remove the filter cover.

1. Open the filter cover.
2. Grip the filter cover on the side with both hands.

3. Lift up the rear section as far as it will go and pull the filter cover forwards.



4. The filter cover can be pulled using the bolts of the holder.

8.14 Cleaning the filter cover

- Clean the filter cover manually with hot soapy water.

8.15 Fitting the filter cover

1. Grip the filter cover on the side with both hands.
2. Slide the filter cover onto the bolts of the holder.
3. Lift up the filter cover on the front side until it locks into position.

9 Troubleshooting

You can rectify minor faults on your appliance yourself. Read the troubleshooting information before contacting after-sales service. This will avoid unnecessary costs.

⚠ WARNING – Risk of injury!

Improper repairs are dangerous.

- Repairs to the appliance should only be carried out by trained specialist staff.
- If the appliance is defective, call Customer Service.
→ "Customer Service", Page 9

⚠ WARNING – Risk of electric shock!

Improper repairs are dangerous.

- Repairs to the appliance should only be carried out by trained specialist staff.
- Only use genuine spare parts when repairing the appliance.
- If the power cord or the appliance power cable of this appliance is damaged, it must be replaced with a special power cord or special appliance power cable, which is available from the manufacturer or its Customer Service.
- If the power cord of this appliance is damaged, it must be replaced by trained specialist staff.

9.1 Malfunctions

Fault	Cause and troubleshooting
The appliance is not working.	The mains plug of the power cord is not plugged in. ► Connect the appliance to the power supply.
	The circuit breaker in the fuse box has tripped. ► Check the circuit breaker in the fuse box.
	There has been a power cut. ► Check whether the lighting in your room or other appliances are working.
	The appliance is not connected to the control unit. ► Connect the control unit to the appliance. → "Connecting the connection cables", Page 17
	The network-cable plug is not plugged in. ► Check the connection of the network cables for all of the appliances.
The appliance is not working, all of the buttons flash.	The circuit breaker in the fuse box has tripped. ► Check the circuit breaker in the fuse box.
	An appliance component has failed. ► Call Customer Service → Page 9.
	The filter cover is not closed. ► Close the filter cover completely. → "Closing the filter cover", Page 7
The appliance does not retract.	The filter cover is not closed. ► Close the filter cover completely. → "Closing the filter cover", Page 7
The button illumination does not work.	The control unit is faulty. ► Call Customer Service → Page 9.

Fault	Cause and troubleshooting
The LED lighting does not work.	Different causes are possible. ▶ Defective LED lights may be replaced by the manufacturer, their customer service or a qualified technician (electrician) only. ▶ Call Customer Service → <i>Page 9</i>.
The saturation indicator flashes.	The grease filters are saturated. ▶ → <i>"Cleaning grease filters in the dishwasher", Page 7</i> ▶ Clean the grease filters manually. → <i>Page 7</i>
Noises when retracting or extending the appliance.	These noises are inherent in the design and have no effect on the how the appliance operates. ▶ This is normal. No action required.

10 Disposal

10.1 Disposing of old appliance

Valuable raw materials can be reused by recycling.

1. Unplug the appliance from the mains.
2. Cut through the power cord.
3. Dispose of the appliance in an environmentally friendly manner.
Information about current disposal methods are available from your specialist dealer or local authority.



This appliance is labelled in accordance with European Directive 2012/19/EU 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.

11 Customer Service

Function-relevant genuine spare parts according to the corresponding Ecodesign Directive can be obtained from Customer Service for a period of at least 10 years from the date on which your appliance was placed on the market within the European Economic Area. Furthermore, our Customer Service will continue to provide you with other function-relevant and storable genuine spare parts for up to 15 years from the date on which your appliance was placed on the market. For more information, please contact our Customer Service team.

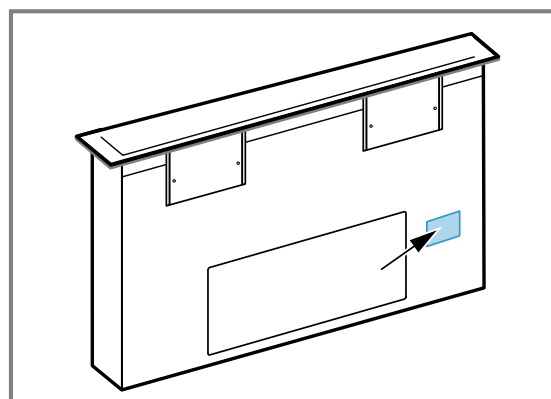
Note: Under the terms of the manufacturer's warranty the use of Customer Service is free of charge.

Detailed information about the warranty period and the warranty conditions in your country is available via the QR code on the enclosed document on service contacts and warranty conditions, from our customer service or on our website.

You can find the contact details for our customer service via the QR code on the enclosed document on service contacts and warranty conditions or on our website. This product contains light sources from energy efficiency class G. These light sources are available as a spare part and should only be replaced by trained specialist staff.

11.1 Product number (E-Nr.) and production number (FD)

If you contact Customer Service, you will require the product number (E-Nr.) and the production number (FD), which you can find on the appliance's rating plate. The rating plate is located at the bottom on the front of the appliance. To find it, open the door of the base cabinet in which the appliance is installed.



Make a note of your appliance's details and the Customer Service telephone number to find them again quickly.

12 Installation instructions

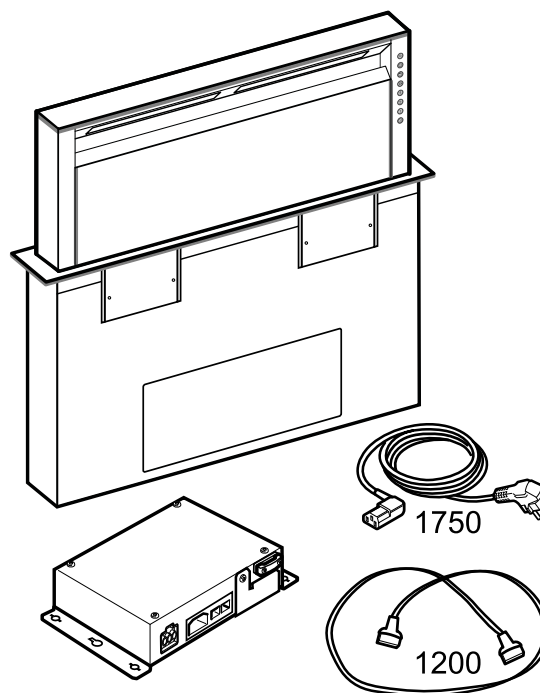
Observe this information when installing the appliance.



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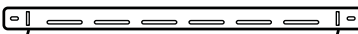
12.1 Scope of delivery

After unpacking all parts, check for any damage in transit and completeness of the delivery.



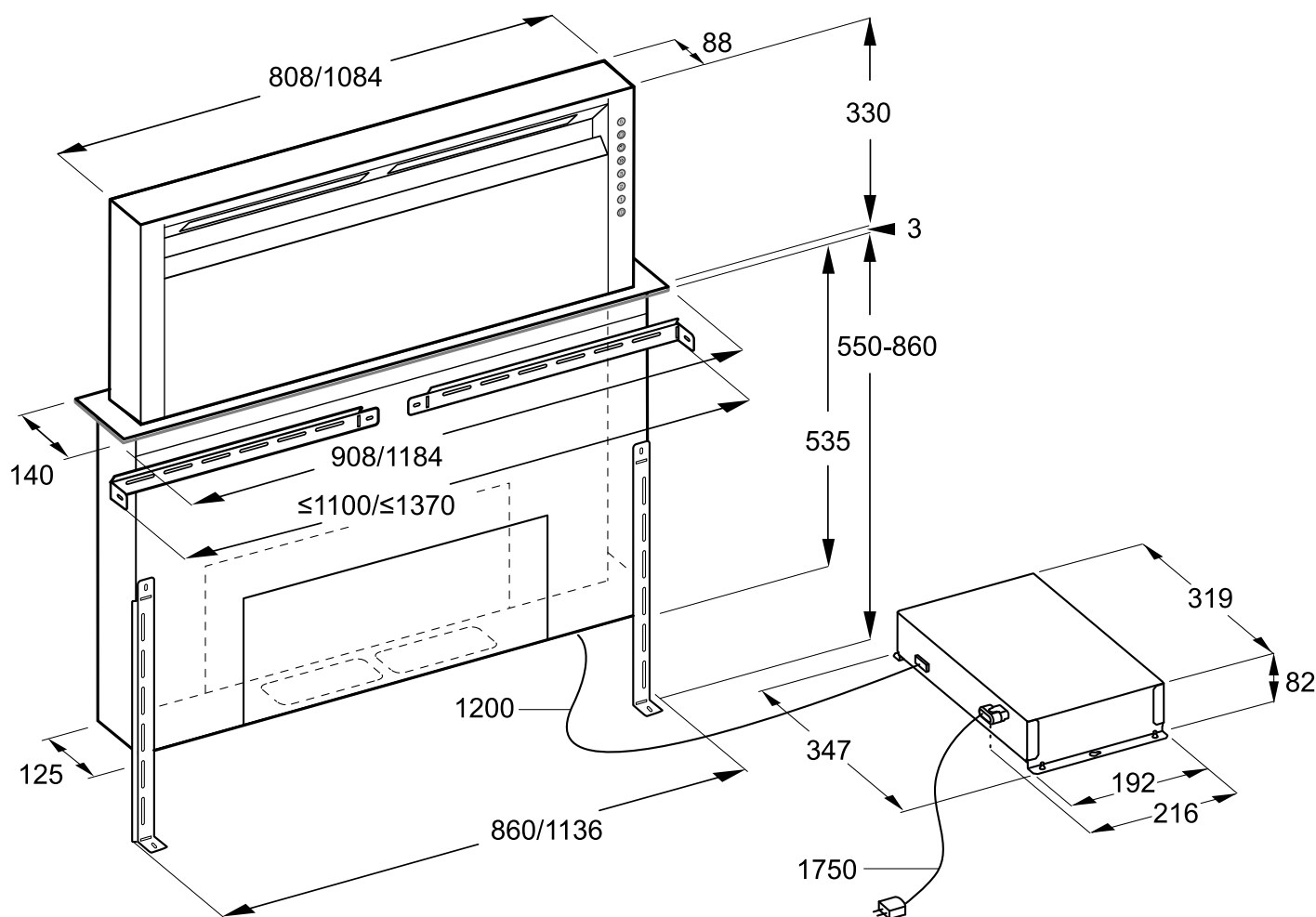
8x  M4 x 9

2x  Ø4 x 15

2x 

12.2 Appliance dimensions

You will find the dimensions of the appliance here



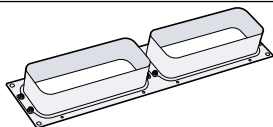
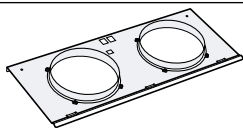
12.3 Required installation accessories

Use original accessories. These have been made especially for your appliance. Here, you can find an overview of your appliance's installation accessories.

Depending on the exhaust air duct (front, back or bottom), order one of the following accessory parts.

To achieve optimum results, route the air extraction ducting between the extractor hood and the exhaust air opening in the brickwork so that it is as short and straight as possible. Short, straight air extraction ducting improves suction power and reduces the noise level. For better results, we recommend the ducting accessories from Gaggenau.

Accessories	Order number
Connecting piece for duct, 2x DN 150 mm, round	AD754049
Connecting piece for flat duct system with guidance fins, 2x DN 150 mm, flat	AD854050



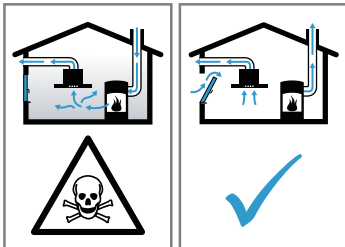
12.4 Secure installation

Follow these safety instructions when installing the appliance.

⚠ WARNING – Risk of poisoning!

Risk of poisoning from flue gases being drawn back in. Room-air-dependent heat-producing appliances (e.g. gas, oil, wood or coal-operated heaters, continuous flow heaters or water heaters) obtain combustion air from the room

in which they are installed and discharge the exhaust gases into the open through an exhaust gas system (e.g. a chimney). With the extractor hood switched on, air is extracted from the kitchen and the adjacent rooms. Without an adequate supply of air, the air pressure falls below atmospheric pressure. Toxic gases from the chimney or the extraction shaft are sucked back into the living space.



- ▶ Always ensure adequate fresh air in the room if the appliance is being operated in exhaust air mode at the same time as a room-air-dependent heat-producing appliance is being operated.
- ▶ It is only possible to safely operate the appliance if the pressure in the room in which the heating appliance is installed does not fall below 4 Pa (0.04 mbar). This can be achieved whenever the air needed for combustion is able to enter through openings that cannot be sealed, for example in doors, windows, incoming/exhaust air wall boxes or by other technical means. An incoming/exhaust air wall box alone is not sufficient to ensure compliance with the limit.
- ▶ In any case, consult your responsible chimney sweep. They are able to assess the house's entire ventilation setup and will suggest the suitable ventilation measures to you.

Risk of poisoning from flue gases being drawn back in.

- ▶ If an extractor hood with an open-flued heat production source is installed, the power supply for the extractor hood must be provided with a suitable safety switch.

Risk of poisoning from flue gases being drawn back in.

- ▶ Do not emit the exhaust air into a smoke or exhaust gas flue that is in operation.
- ▶ Do not emit the exhaust air into a shaft that is used to ventilate installation rooms for heat-producing appliances.
- ▶ If the exhaust air is to be conveyed into a smoke or exhaust gas flue, you must obtain the consent of the heating engineer responsible.

⚠ **WARNING – Risk of suffocation!**

Children may put packaging material over their heads or wrap themselves up in it and suffocate.

- ▶ Keep packaging material away from children.
- ▶ Do not let children play with packaging material.

⚠ **WARNING – Risk of fire!**

The grease deposits in the grease filter may catch fire.

- ▶ Never work with naked flames close to the appliance (e.g. flambéing).
- ▶ Do not install the appliance near a heat-producing appliance for solid fuel (e.g. wood or coal) unless a closed, non-removable cover is present. There must be no flying sparks.
- ▶ The specified safety clearances must be complied with in order to prevent a build-up of heat.
- ▶ Observe the specifications for your cooking appliances. If the installation instructions for the cooking appliances specify a different clearance, the larger of the two must always be provided for. If gas hobs and electric hobs are operated together, the largest specified clearance applies.

⚠ **WARNING – Risk of injury!**

Components inside the appliance may have sharp edges.

- ▶ Wear protective gloves.

The appliance is heavy.

- ▶ To move the appliance, two people are required.
 - ▶ Use only suitable tools and equipment.
- Changes to the electrical or mechanical assembly are dangerous and may lead to malfunctions.

- ▶ Do not make any changes to the electrical or mechanical assembly.

The appliance is very narrow and can tip over easily.

- ▶ Do not set the appliance down on the floor.
- ▶ Lay the appliance flat on the floor.

⚠ **WARNING – Risk of electric shock!**

Sharp-edged components inside the appliance may damage the connecting cable.

- ▶ Do not kink or trap the connecting cable.

If the appliance or the power cord is damaged, this is dangerous.

- ▶ Never operate a damaged appliance.

- ▶ Never pull on the power cord to unplug the appliance. Always unplug the appliance at the mains.
 - ▶ If the appliance or the power cord is damaged, immediately unplug the power cord or switch off the fuse in the fuse box.
 - ▶ Call customer service. → *Page 9*
- Improper repairs are dangerous.
- ▶ Repairs to the appliance should only be carried out by trained specialist staff.
 - ▶ Only use genuine spare parts when repairing the appliance.
 - ▶ If the power cord or the appliance power cable of this appliance is damaged, it must be replaced with a special power cord or special appliance power cable, which is available from the manufacturer or its Customer Service.
 - ▶ If the power cord of this appliance is damaged, it must be replaced by trained specialist staff.

Incorrect installation is dangerous.

- ▶ Connect and operate the appliance only in accordance with the specifications on the rating plate.
- ▶ Connect the appliance to a power supply with alternating current only via a properly installed socket with earthing.
- ▶ The protective conductor system of the domestic electrical installation must be properly installed.
- ▶ Never equip the appliance with an external switching device, e.g. a timer or remote control.
- ▶ When the appliance is installed, the mains plug of the power cord must be freely accessible. If free access is not possible, an all-pole isolating switch must be installed in the permanent electrical installation according to the conditions of Overvoltage Category III and according to the installation regulations.

12.5 Instructions for the electrical connection

In order to safely connect the appliance to the electrical system, follow these instructions.

WARNING – Risk of electric shock!

It must always be possible to disconnect the appliance from the electricity supply. The appliance must only be connected to a protective contact socket that has been correctly installed.

- ▶ The mains plug for the mains power cable must be easily accessible after the appliance is installed.

- ▶ If this is not possible, an all-pole isolating switch must be integrated into the permanent electrical installation according to the conditions of overvoltage category III and according to the installation regulations.
- ▶ The permanent electrical installation must only be wired by a professional electrician. We recommend installing a residual-current circuit breaker (RCCB) in the appliance's power supply circuit.

Sharp-edged components inside the appliance may damage the connecting cable.

- ▶ Do not kink or trap the connecting cable.
- The connection data can be found on the rating plate. → *Page 9*
- This appliance complies with the EC interference suppression regulations.
- The appliance corresponds to protection class 1. You should therefore only use the appliance with a protective earth connection.
- Do not connect the appliance to the power supply during installation.
- Ensure that the protection against contact is guaranteed during installation.

12.6 Information on the installation situation

- Install this appliance in a worktop.

12.7 Instructions for the exhaust air pipe

The appliance manufacturer does not provide any warranty for faults attributable to the pipeline.

- Use a short, straight exhaust air pipe with as large a pipe diameter as possible.
- Long, rough exhaust air pipes, many pipe bends or small pipe diameters reduce the suction power and increase the fan noise.
- Use an exhaust pipe that is made of non-combustible material.
- To prevent condensate from returning, fit the exhaust pipe with a 1° gradient from the appliance.

Flat ducts

Use flat ducts with an inner cross-section that corresponds to the diameter of the round pipes:

- Diameter of 150 mm corresponds to approx. 177 cm².
- Use sealing strips for different pipe diameters.
- Do not use any flat ducts with sharp bends.

Round pipes

Round pipes with an inner diameter of 150 mm.

12.8 Information about circulating-air mode

To ensure optimum performance, provide sufficient space for the escaping air to flow out via an air outlet in the plinth of the fitted unit.

To keep draughts and noise to a minimum, make the air outlet in the base panel as large as possible.

On appliances 90 cm wide: The air outlet must have a minimum cross-section of approximately 400 cm².

On appliances 120 cm wide: The air outlet must have a minimum cross-section of approximately 800 cm². Allow a minimum cross-section of 400 cm² for each remote fan unit.

Make the air outlet opening by shortening the plinth or by using suitable ventilation grilles or a lamellar plinth.

12.9 Information about flush installation

With the flush installation, the appliance and worktop are on one level. There is no unattractive stepping between the appliance and the worktop.

You can install the appliance in the following temperature-resistant and waterproof worktops:

- Stone worktops
- Plastic worktops, e.g. Corian®
- Solid wood worktops

Installation in compressed-wood worktops is not possible.

Have all cut-out work on the worktops carried out in a specialist workshop in compliance with the installation diagram. The cut-out must be neat and precise since the cut edge is visible on the surface.

Clean and degrease the cut-out edges with a suitable cleaning agent. When doing so, observe the usage instructions from the silicone manufacturer.

12.10 General information

Follow these general instructions during the installation.

- For the installation, observe the currently valid building regulations and the regulations of the local electricity and gas suppliers.
- When discharging the exhaust air, the official and legal regulations, such as the regional building code, must be observed.
- The surfaces of the appliance are sensitive. Avoid damaging them during installation.

12.11 Information about the fan module

Note this information about the remote fan unit.

- Only combine the appliance with a suitable remote fan unit from the same manufacturer.
- To guarantee sufficient suction power, we recommend using the appliance AL400122 with two remote fan units.
- For operation in the EU: The appliance AL400122 is only intended for circulating-air mode in accordance with EU66/2014.

12.12 Installation

Checking the units

1. Check whether the fitted unit is level and has sufficient load-bearing capacity.
The max. weight of the appliance is 50 kg.
2. Ensure that the fitted unit is heat-resistant up to 90 °C.
3. Ensure that the fitted unit is still stable after the cut-outs have been made.
4. Use suitable substructures to ensure the load-bearing capacity and stability, particularly in the case of thin worktops.
 - ▶ Take the appliance weight, including additional load, into consideration.
 - ▶ Use heat-resistant and moisture-resistant reinforcement material.

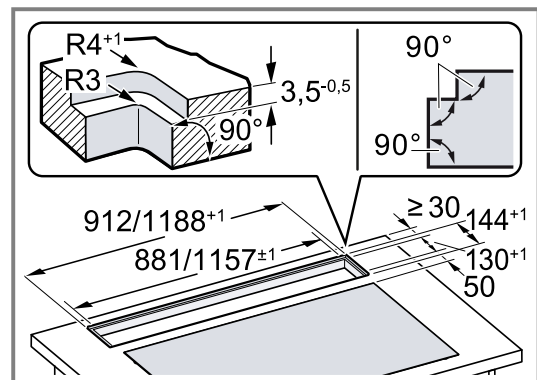
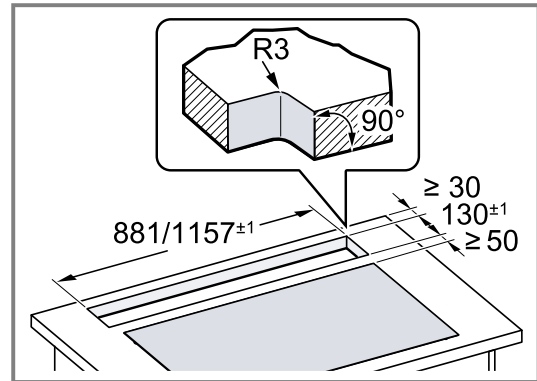
5. Only check that the appliance is level once it has been installed in the installation opening.

Preparing the units

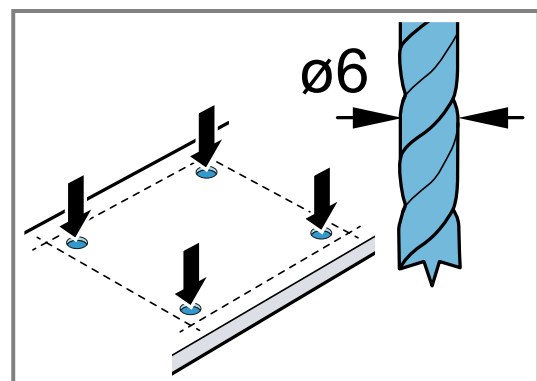
Requirement: The unit is suitable for the installation.

→ "Checking the units", Page 14

1. Observe the information about air recirculation.
→ Page 13
2. Mark the unit cut-out in accordance with the installation diagram and depending on the installation position.

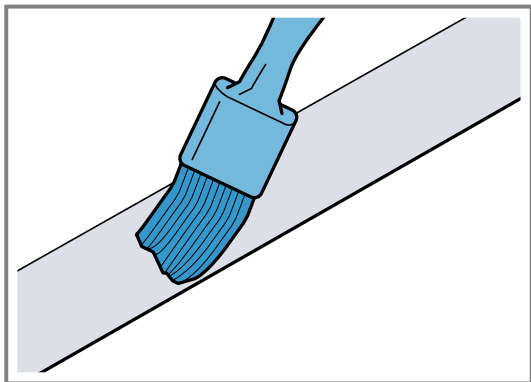


3. Drill four holes with a diameter of 6 mm.



4. Ensure that the angle of the cut surface to the worktop is 90°.

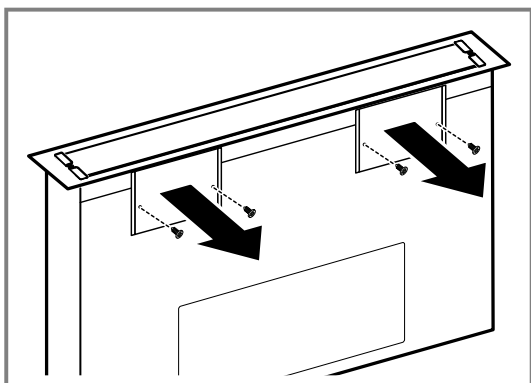
5. Seal the cut surfaces so that they are heat-resistant and waterproof.



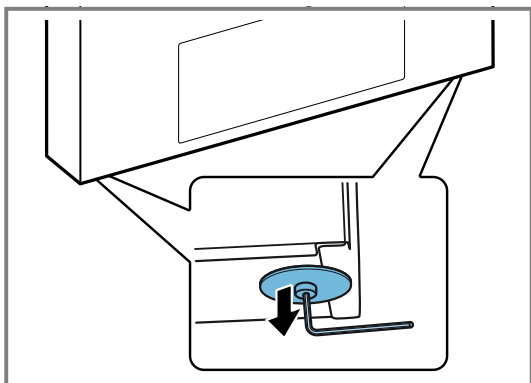
6. Ensure that the worktop has sufficient load-bearing capacity and stability. Use a heat- and humidity-resistant reinforcing material for any substructure.
7. Ensure that the fitted unit is still stable after the cut-outs have been made.
8. Observe the minimum clearances of 10 mm between the bottom of the appliance and unit parts.
9. Remove any shavings.

Removing the transit bolts

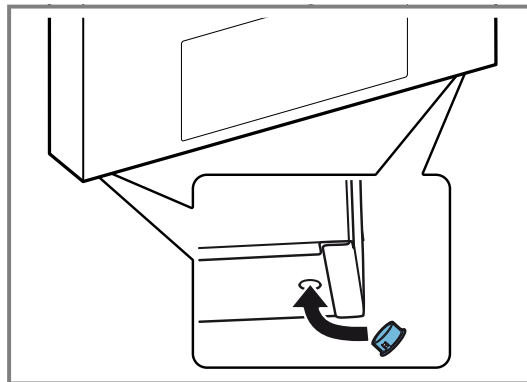
1. Unscrew the 2 panels on the front side of the appliance.



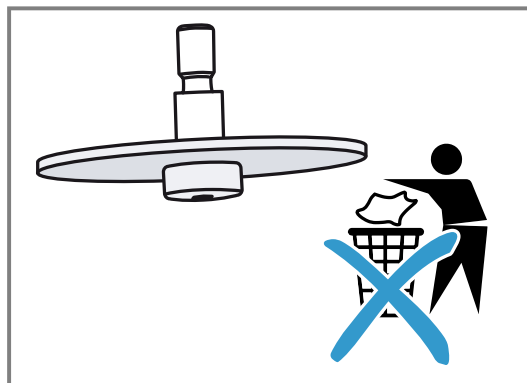
2. Unscrew the 2 screws on the underside of the appliance.



3. Close off the holes on the underside of the appliance using the locking caps.



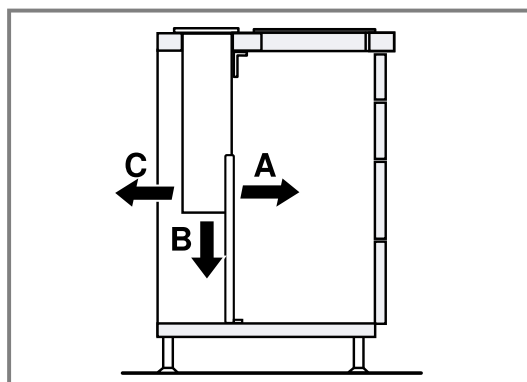
4. Keep the transit bolts safe.



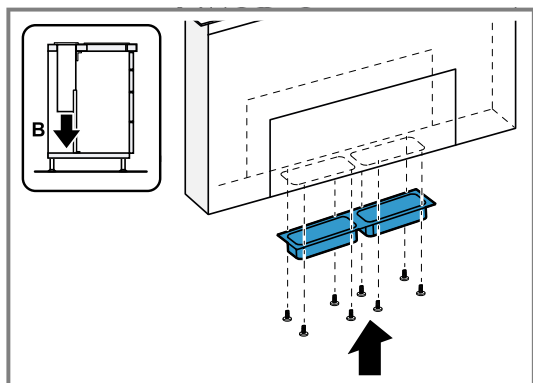
Reinstall the transit bolts before transporting the appliance.

Preparing the appliance

1. Select the exhaust air duct depending on the installation position: Front, rear or bottom.



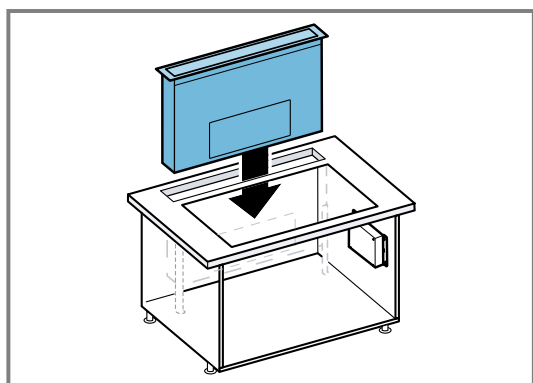
- 2. For position B:** Attach the connecting piece to the appliance with the exhaust air duct facing down.



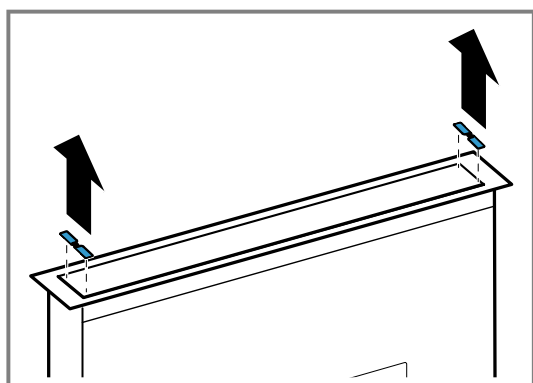
- 3. For position A or C:** Attach the connecting piece to the appliance with the exhaust air duct facing forwards or backwards after installing the appliance.

Installing the appliance

- 1.** Keeping the appliance level, insert it into the unit cut-out from above.
- ▶ Ensure that the sealing strip on the underside of the appliance cover does not move.



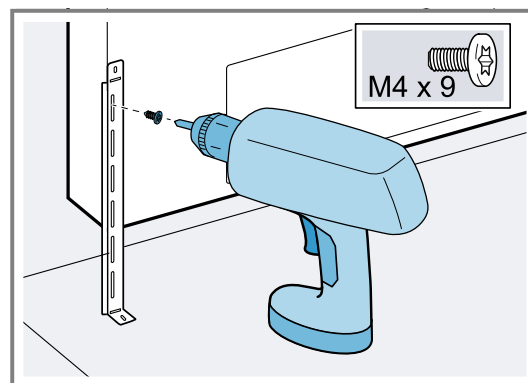
- 2.** Push the appliance firmly into the unit cut-out from above.
- ▶ Ensure that the appliance is firmly positioned in the unit cut-out and does not move.
 - ▶ If the width of the cut-out is at the upper tolerance limit, secure a bar at the sides of the cut-out in each case, if necessary.
- 3.** Remove the two plastic parts on the appliance cover.



- 4.** Align the appliance in the unit.
- ▶ Ensure that the appliance cover is lying flat against the worktop.

- ▶ Ensure that the lower end of the mounting bracket on the perforation is at an angle of 90°.

- 5.** Screw the fastening bracket to the appliance and to the bottom of the unit using the enclosed sheet metal screws.

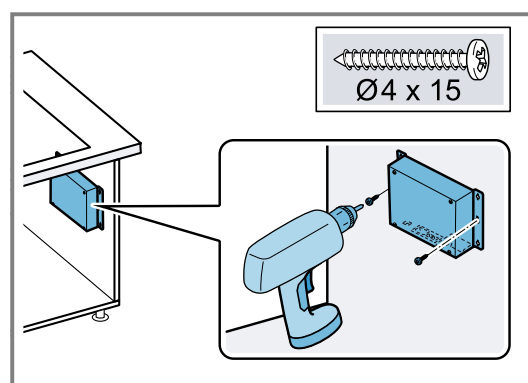


Installing the control unit

⚠ WARNING – Risk of electric shock!

An ingress of moisture may cause an electric shock.

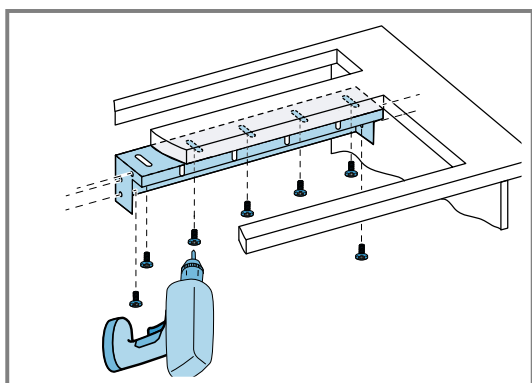
- ▶ Do not secure the control unit to the bottom of the unit.
- ▶ Firmly screw the control unit to the side panel or back panel of the unit.
 - ▶ Ensure that the control unit can be accessed following the installation.



Installing the substructure

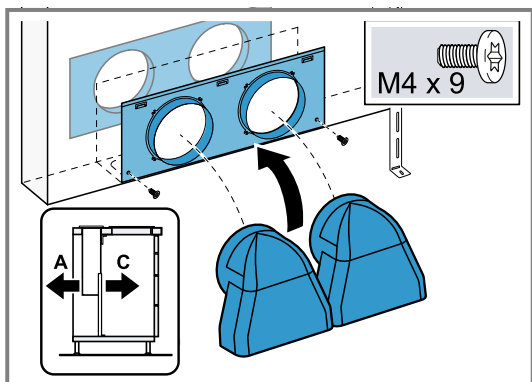
In the case of thin worktops, use suitable substructures to reinforce the surface between the built-in niche for the extractor hood and the cut-out for other appliances. Suitable substructures are available from our after-sales service, your dealer or on our website. Ask the manufacturer of your worktop whether you require a substructure to guarantee the load-bearing capacity and stability of the worktop.

- Use the supplied metal screws to screw the substructure in tightly below the worktop and to the side panels of the unit.



Establishing the piping

1. For the exhaust air duct, observe the installation instructions for the remote fan unit.
2. Attach the connecting piece at the front or rear of the appliance (A or C).



With the exhaust air duct facing down, secure the connecting piece before installing the appliance.

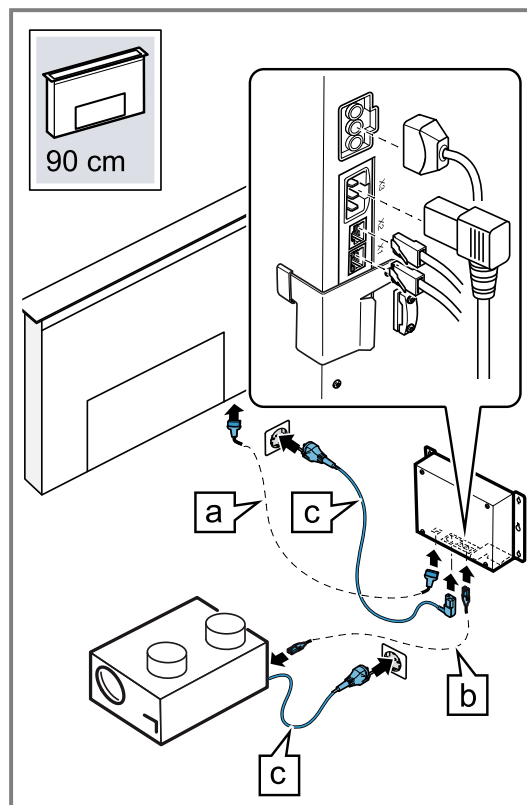
→ "Preparing the appliance", Page 15

3. Secure the exhaust air pipe to the connecting piece.
4. Seal the exhaust air pipe appropriately.

Connecting the connection cables

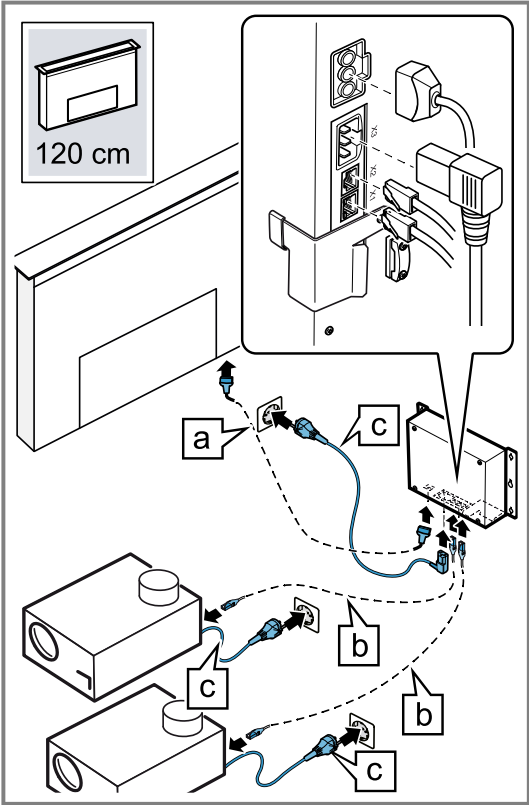
1. Connect the connection cables.

2. Observe the cabling for a fan module.



- | | |
|---|---|
| a | Control cable between the AL400122 and the control unit |
| b | Network cable, included in the scope of delivery of the remote fan unit |
| c | Connection cable |

3. Observe the cabling for two fan modules.
- ▶ Connect the remote fan units in parallel.



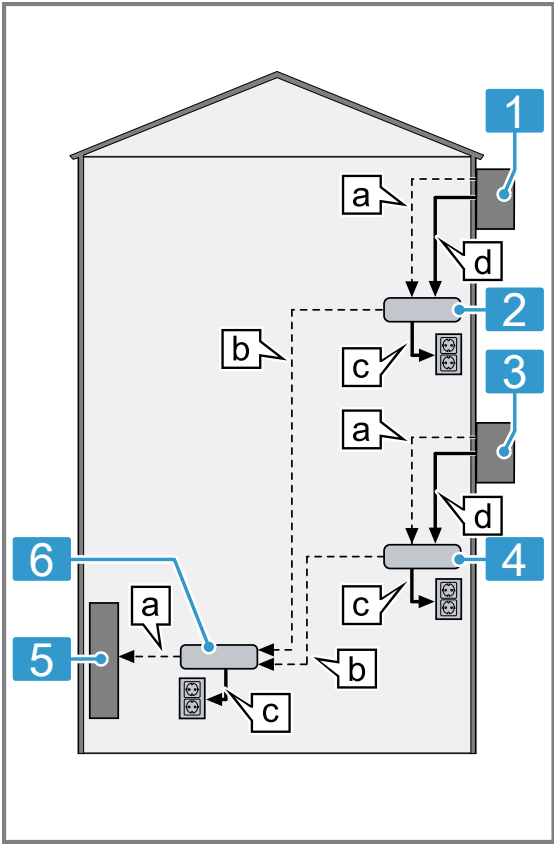
a	Control cable between the AL400192 and the control unit
b	Network cable, included in the scope of delivery of the remote fan unit
c	Connection cable

To guarantee sufficient capture of vapour, we recommend the AL400122 with two remote fan units. Due to energy restrictions in air extraction in Europe, we recommend only air recirculation for the AL400122 in accordance with directive EU 66/2014.

4. Ensure that the plug connections for the control cables between the control unit and the appliance click into place.
5. Ensure that the plug connections for the network cable between the control unit and the fan module click into place.
- The connection sockets X1 and X2 are identical.

Connection diagram when using an AR401142 remote fan unit

If you connect your appliance to a remote fan unit, observe the following connection diagram.



1	AR401142 remote fan unit
2	Control unit for remote fan unit
3	Second AR401142 remote fan unit required for AL400122
4	Control unit for second remote fan unit
5	AL400122/192 extractor hood
6	Control unit from AL400122/192
a	Control cable
b	Network cable, included in the scope of delivery of the remote fan unit
c	Connection cable
d	Connection cable, included in the scope of delivery of the remote fan unit

Checking the functionality

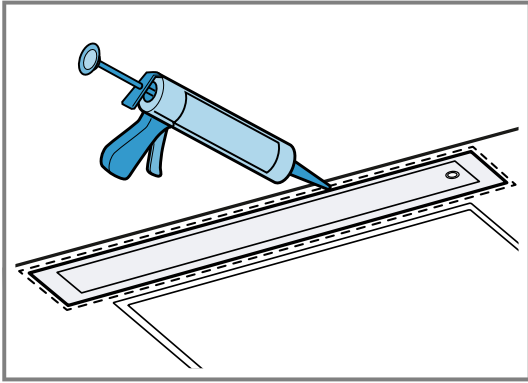
1. Connect the control unit and fan module to the power supply and check that they work correctly.
2. If the appliance does not work, check the plug connections for the connection cables.
- "Connecting the connection cables", Page 17

Sealing the joints

For flush installation, seal the joints with silicone.

Requirement: You must carry out a function test before sealing any joints.

1. Seal all around the gap using suitable, heat-resistant silicone, e.g. Novasil® S70 or Ottoseal® S70.



Unsuitable silicone adhesive causes permanent discoloration to natural stone worktops.

2. Use the smoothing agent recommended by the manufacturer to smooth the joint.
3. Observe the usage instructions for the silicone adhesive.
4. Leave the silicone adhesive to dry for at least 24 hours.
The drying time depends on the ambient temperature.
5. Do not operate the appliance until the silicone has dried completely.

Removing the appliance

⚠ WARNING – Risk of injury!

The appliance is heavy.

- ▶ To move the appliance, two people are required.
 - ▶ Use only suitable tools and equipment.
- Components inside the appliance may have sharp edges.
- ▶ Wear protective gloves.

ATTENTION

Tools may damage the appliance.

- ▶ Do not prise out the appliance from above.
1. Disconnect the appliance from the power supply.
 2. If the appliance is flush-mounted with the surrounding surfaces, remove the silicone seal.
 3. Push out the appliance from below.

12.13 Additional switching output

The appliance has an additional switching output X16 (potential-free contact) that can be used to connect other appliances, such as a ventilation system that is available at the installation site. The contact is closed when the fan is switched on, and is opened when the fan is switched off.

Work must only be carried out on the additional switching output by a qualified electrician in accordance with the country-specific requirements and standards. The switching output is located under a cover. Maximum switching power 30 V/1 A (AC/DC). The signal that is connected to the contact must correspond to protection class 3.

12.14 Networked operation

Multiple appliances can be networked together. The lighting and the fan of up to 20 appliances are operated synchronously.

A qualified electrician must check that the appliance is working correctly during the initial installation.

The total length of all of the network cables must not exceed 40 m.

The failure of an appliance due to a voltage interruption or a network cable being disconnected blocks the fan function for the entire system, and all of the buttons on the appliance flash.

When changing the configuration, an electrician must re-initialise the system.

Networking appliances

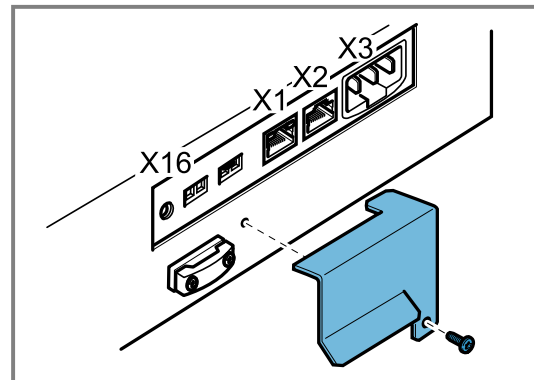
Requirement: A qualified electrician networks the appliances.

1. Connect the appliances in series via the connector sockets X1 and X2.
X1 and X2 are equivalent.
The sequence of the networking does not have any effect.
2. If the enclosed network cables are too short, use a commercially available network cable (shielded, min. CAT 5).

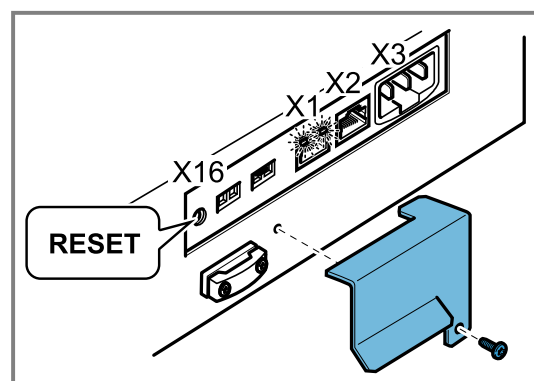
Re-initialising the system

Requirement: A qualified electrician carries out the initialisation and the test.

1. Unscrew the cover plate.



2. Press and hold the reset button until both LEDs light up continuously.
 - ▶ Press the reset button for approx. 5 seconds.
 - ▶ Release the reset button within 5 seconds.



3. Screw on the cover plate.
4. Check that the system is working correctly.



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