

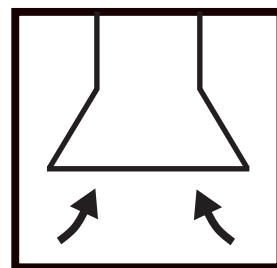
# BEDIENUNGSANWEISUNG

mit Montageanweisungen

- Ⓒ GB Instructions for use and installation instructions
- Ⓒ F Instructions d' utilisation et avis de montage
- Ⓒ NL Gebruiksaanwijzing en montagehandleiding
- Ⓒ I Istruzioni di uso e di montaggio
- Ⓒ E Instrucciones de uso y de montaje

## TKD/TKDEM 988.1

---




# For your information...


You should carefully read the information in this manual before you use your cooker hood. Here you will find important notes concerning safety and how to use, look after and service your appliance so that it enjoys a long service life.

Should a fault arise, please first consult chapter "What to do if trouble occurs...". You can often remedy minor faults yourself and thus save unnecessary service costs.

Always keep these instructions in a safe place and pass them on to new owners for their information and safety.

## The following symbols are used in this operating manual:

 The warning triangle draws your attention to possible risks for your health or damages that might be caused at your appliance.

 Here you will find information and notes.

# Conditions of guarantee

The conditions of guarantee applicable for this product are subject to those published by the representative in the relevant country.

Details regarding same may be obtained from the dealer from whom the appliance was purchased. For claims under guarantee the sales receipt must be produced.

# Content

<b>Safety instructions</b> . . . . .	<b>13</b>
For connections and functions	
For operating your cooker hood	
For operating the hood with stoves and heating appliances with a naked flame	
<b>General advice for use</b> . . . . .	<b>13</b>
<b>Your appliance at a glance</b> . . . . .	<b>14</b>
<b>Using the hood</b> . . . . .	<b>14</b>
The power supply of the control panel	
Before using the hood the first time	
Remote control (optional accessory)	
Switching the lighting On/Off	
Switching on the ventilation	
Changing the ventilation setting	
Switching the ventilation off	
The intensive button	
Activating the automatic delayed stop	
<b>Cleaning, care and maintenance</b> . . . . .	<b>15</b>
Cleaning the hood	
Cleaning the metal fat filters	
Changing the activated charcoal filter (in recirculation mode)	
Replacing a halogen lamp	
Changing the battery of the remote control	
<b>What to do if trouble occurs...</b> . . . . .	<b>16</b>
Rating label	
<b>Installation preconditions</b> . . . . .	<b>16</b>
Scope of delivery	
Dimensions for installation	
Walls suitable for mounting/suitable fixings	
Electric connection	
Possible extraction versions	
Chimney attachment and length of chimney	
<b>Installation</b> . . . . .	<b>17</b>
Unpacking of the components	
Screwing the switching unit to the hood body	
Mounting a steel rear panel (optional)	
Marking the drill holes	
Installing the hood body and chimney attachment	
Recirculation mode only: adjust deflector and ducting	
Extraction mode only: attach the ducting	
TKDEM 988.1 only	
Electric connection	
Mounting the chimney	
Inserting the filters	
Function testing of the hood	
<b>Guideline for extraction paths</b> . . . . .	<b>20</b>
Extraction path through the walls	
Extraction through the kitchen ceiling and roof	
Extraction into an existing exhaust shaft	
Please note:	

# Safety instructions



## For connections and functions

- Maintenance and repair work may only be carried out by an authorised technician in accordance with the applicable safety regulations. Work which has been performed improperly can endanger your safety.
- Extraction appliances must not be connected to smoke or fume chimneys or to shafts used for ventilating rooms where stoves have been installed. Before extracting fumes into a smoke or fume chimney which is not in use, please obtain approval from your local chimney sweep. When extracting fumes, please observe the official regulations.
- The minimum distance between the cooker hood and the cooker is 650 mm.
- For cleaning and maintenance work the hood must be deactivated by switching off the household fuse.

## For operating your cooker hood

- The fat filter must be cleaned regularly. There is a danger of fire if the appliance is used with a saturated fat filter!
- Only use the hood when the fat filters have been installed.
- Never flambé dishes under the cooker hood!
- Ignited rings of gas cookers and gas hobs must always be covered by pots or pans.
- Keep an eye on deep-fat fryers while in operation. Fat and oil which ignites due to overheating can set fire to the cooker hood.
- The fume trap should not bear excessive or one-sided loads. If the glass breaks, there may be a danger of injury from falling pieces of glass!

## For operating the hood with stoves and heating appliances with a naked flame

This relates, for example, to gas, oil or coal-fired heating appliances, continuous flow heaters and hot water tanks: If the cooker hood is operated in extraction mode, such appliances may no longer have sufficient air required for combustion and there is a danger of intoxication or explosion!

Operation is perfectly safe if the cooker hood and the stove are being used simultaneously in rooms where a negative pressure of 0.04 mbar is not exceeded. This ensures that the fumes from the stove are not sucked back into the room.

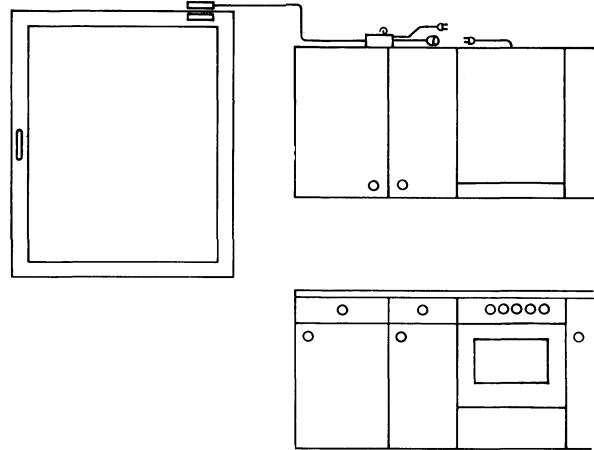
This can be achieved if there are non-airtight openings in windows and doors, ventilation wall boxes (supplying/extracting air) or other technical devices, e. g. interlock devices so that a sufficient supply of combustion air can flow back into the room.

When assessing the ventilation requirements, the ventilation system of your entire home must always be taken into account. This means, for example, the above regulations for operating cooking appliances (e.g. hobs and gas cookers) are not applied. If in doubt, please consult your local chimney sweep.

- If the cooker hood is only used in recirculation mode - with activated charcoal filter - there are no restrictions on operation.

## Example of how to use the cooker hood and the stove in complete safety:

- A switch at the window prevents the cooker hood from being operated when the window is closed.



## General advice for use

Remember that the ventilation problem in the kitchen is often not solved merely by installing a cooker hood. For optimum effect and maximum ventilation efficiency the cooker hood requires a sufficient supply of air from the correct sources. Disappointing performance and the development of loud noises are almost always the result of planning or operating errors.

### Example:

- Insufficient supply of fresh air

**Result:** The speed of the ventilation motor increases, the air capacity decreases and the noises become louder.

**Solution:** Ensure that there is an adequate supply of fresh air through structural measures or by opening the window when the cooker hood is in operation.

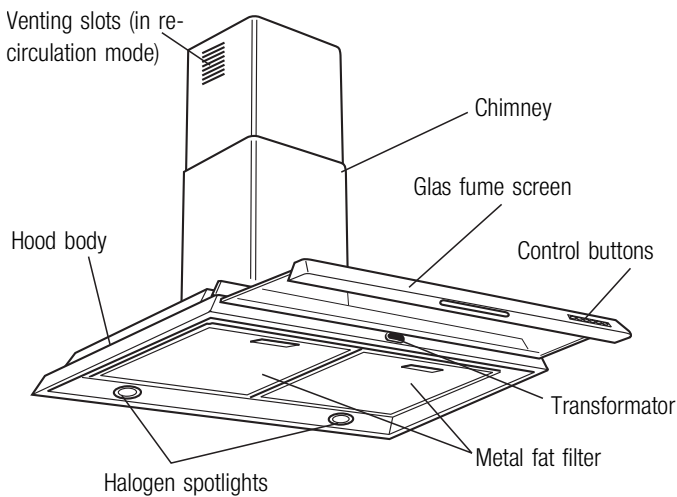
- Saturated filters

**Result:** The air capacity of the cooker hood decreases and the fumes are insufficiently cleaned.

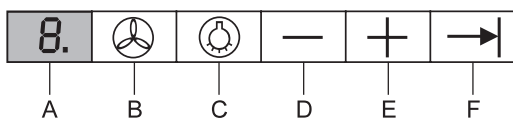
**Solution:** Clean the filters regularly before the air capacity decreases.

		in extraction mode	in recirculation mode
<b>Appliance</b>	switch on appliance	on starting cooking	on starting cooking
	switch off appliance	approx. 5 min. after finishing cooking	approx. 15 min. after finishing cooking
<b>Position of</b>	door	open	closed
	window	closed	open
<b>The room air is cleaned of</b>	humidity	X	--
	heat	X	--
	fat	X	X
	odours	X	X

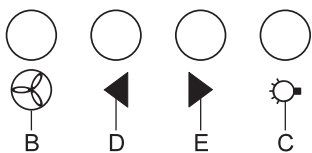
# Your appliance at a glance



## Control buttons at the glas fume screen



## Buttons at the remote control



- A Display
- B Ventilation on/off
- C Lighting on/off
- D/E Ventilation setting
- F Intensive button

# Using the hood

⚠ Please observe the safety instructions on page 13.

## The power supply of the control panel

⚠ Always push the glas fume screen in, when the hood is not operated.

The operating fascia at the glas fume screen is not directly connected to the control unit of the hood. It is supplied with the current required for the contact to the control unit from an accumulator that is charged as long as the glas fume screen is closed (due to the contact with the transformer at the hood body).

If the hood shows no response when you press the buttons after having pulled out the glas fume screen, the accumulator has been discharged. Push the glas fume screen in so that the accumulator is charged. In the meantime, the hood can be operated with retracted glas fume screen. The accumulator is fully recharged after approx. 8 hours (without hours of use) and the hood can be operated with pulled-out glas fume screen again.

## Before using the hood the first time

– Please clean the cooker hood before using it for the first time as described in “Cleaning, care and maintenance” on page 15.

⚠ Leave the glas fume screen in the retracted position for at least 8 hours after installation so that the accumulator of the control panel can be recharged.

If the hood is not activated when the glas fume screen is pulled out, please operate the hood with retracted glas fume screen (see “The power supply of the control panel” above).

## Remote control (optional accessory)

The remote control serves for switching on and off the lighting and ventilation and for changing the ventilation setting. All other functions of the hood must be activated or deactivated directly at the control panel.

## Switching the lighting On/Off

- Press the button to switch the halogen lamps on.
- Press the button again to switch the halogen lamps off.

## Switching on the ventilation

- Press the button . The ventilation is switched on with the setting that has been activated when the hood was switched off.

## Changing the ventilation setting

The hood can be switched to four ventilation settings (1 to 4).

- Press the + button (or ) to increase the ventilation setting.
- Press the - button or () to reduce the ventilation setting.

## Switching the ventilation off

- Press the button when the ventilation is running.

## The intensive button

☞ The intensive button cannot be activated via the remote control. Use the remote control to increase the ventilation setting step-by-step until setting “4” is reached.

If the intensive button is pressed, the cooker hood is switched to the maximum ventilation setting (“4”).

- Press the button . The chiffre “4” is indicated in the display.

## Activating the automatic delayed stop

☞ If you have finished cooking and wish to operate the hood for another 10 minutes by using the automatic delayed stop, already push in the glas fume screen, if possible, so that the accumulator of the control panel can be immediately recharged.

The automatic delayed stop can be activated with any ventilation setting. It switches the cooker hood completely off (ventilation and lighting) after 10 minutes.

- Press the button , until a small dot is flashing next to the chiffre.

# Cleaning, care and maintenance

**⚠ Caution!** For repair work or cleaning the inside of the hood, switch off the household fuse or pull out the mains plug.

**⚠** Do not use any scouring agents or aggressive cleaners.

## Cleaning the hood

### Control panel

– Carefully wipe the control panel now and again with a soft cloth which is free of fluff. Make sure that no water penetrates into the slots between the control buttons.

### Glass surfaces

– Clean the glass surfaces with a damp cloth and a little hand detergent or one of the usual glass cleaning agents.

### Stainless steel parts

– Clean stainless steel parts with a damp cloth and a little hand detergent. Then wipe dry.  
– Use one of the usual stainless steel cleaning agents from time to time.

### Remote control

**⚠** The remote control must not be put into water!

– Only clean it with a damp cloth and, if required, with a little hand detergent.

## Cleaning the metal fat filters

**Important!** If you use the hood in recirculation mode, you must also renew the activated charcoal filter roughly about 120 h of use. You can obtain original filters from your dealer or direct from KÜPPERSBUSCH.

### Filter saturation indicator

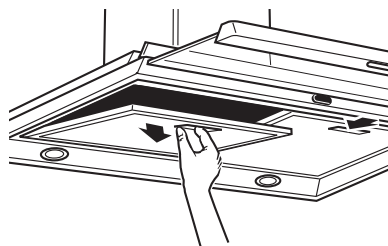
**⚠** Saturated fat filters reduce the performance of the hood and may ignite due to naked flames or great heat.

Both filter inserts must be simultaneously cleaned when the letter “F” is indicated in the display (after 30 operating hours).

– Switch off the filter saturation indicator by pressing the button → when the ventilation is switched off until the “0” is no longer displayed.

### Cleaning the metal filters

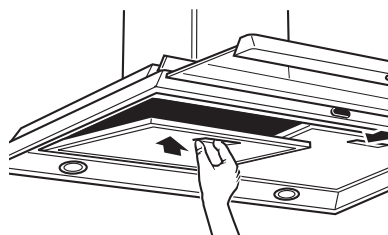
– Hold each metal filter by the handle and push back lightly. To remove pull down out of the bracket.



– Clean the metal filters in the dishwasher or wash by hand with a mild detergent. Rinse well and dry before refitting.

– Recirculation mode: Change the activated charcoal filter, whenever necessary.

– To refit the filters, place in the slot at the rear and push up. They will then click into place.



## Changing the activated charcoal filter (in recirculation mode)

☞ The activated charcoal filter is only required in the recirculation mode. It must not be used in the extraction mode.

### Filter saturation indicator

After approx. 120 hours of use, the letter “F” flashes in the display of the control panel. The activated charcoal filter cannot be cleaned or regenerated. It must be replaced.

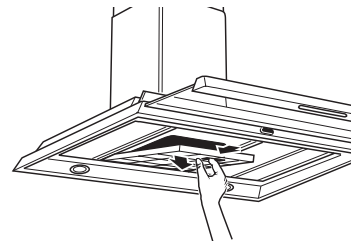
– Switch the saturation indicator off by pressing the button → when the ventilation is switched off until the “0” is no longer displayed.

### Changing the activated charcoal filter

– Remove the metal fat filters (see “Cleaning the metal fat filters”) and clean them.

– Push the activated charcoal filter to the rear and take it out by moving it downwards.

– Install the new activated charcoal filter by inserting the two metal noses into the recesses at the rear side.



– Insert the activated charcoal filter into the bracket at the front so that it tightly fits.

## Replacing a halogen lamp

**⚠ Caution!** The halogen lamps become very hot after being in use for some time. Therefore, the lamps should be changed when they have cooled down.

**⚠** Only replace the halogen lamps with lamps of the same type.

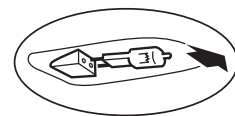
☞ Do not grip the halogen lamps with your bare hands. Finger marks burn into the lamp glass and reduce the light intensity and service life of the lamps.

– Remove the lamp cover from the bracket by turning it in a clockwise direction.

– Remove the halogen bulb from its socket.

– Hold the new bulb with a cloth (e.g. tissue) and push into the socket.

– Reinstall the cover.



## Changing the battery of the remote control

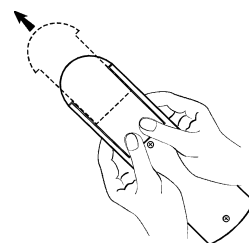
– When the hood no longer reacts to the buttons on the remote control, you probably have to change the battery in the remote control.

– Remove the cover of the remote control.

– Undo the battery connections.

– Remove the battery, insert a new one (9V E-block) and connect it.

– Close the cover again.



# What to do if trouble occurs...

- ⚠ The cooker hood may only be repaired by an authorised technician.
- ⚠ For repair work the appliance must be disconnected from the power supply by pulling out the mains plug or unscrewing the household fuse.

You can deal with some problems that occur yourself. First check whether there has been any operating error. Repairs during the guarantee period are not free of charge, when they are caused by operating errors or non-observance of the following instructions:

Problem	Cause	Remedy
It is not possible to switch off the cooker hood.	Electronic component is defective.	Pull out mains plug or switch off fuse.
	Breakdown of the microcontroller	Reconnect or switch on again after approx. 2 minutes.  In case the fault has not been reset, call the Customer Service.  ⚠ Pull out mains plug or switch off fuse.
A lamp does not work.	Lamp defective.	Replace lamp.
Hood does not work when fume trap is extended.	Accumulator of the operating fascia is discharged.	See "The power supply of the control panel" on p. 14.
Performance of the cooker hood is reduced.	Filters are very clogged.	Clean the filters.
"F" in the display.	No defect.	See "Cleaning the metal fat filters" on page 15.
Flashing "F" in the display.	No defect.	See "Changing the activated charcoal filter (in recirculation mode)" on p. 15.
Remote control (optional) does not work.	Battery discharged or not inserted.	Insert a new battery. See p. 15.

## Rating label

The rating label can be seen when you have removed the fat filter or the activated charcoal filters. Please make a note of the following data on the rating label before or while installing the cooker hood in case you have to consult our Customer Service:

<b>Serial number:</b>											

<b>Model designation:</b>											

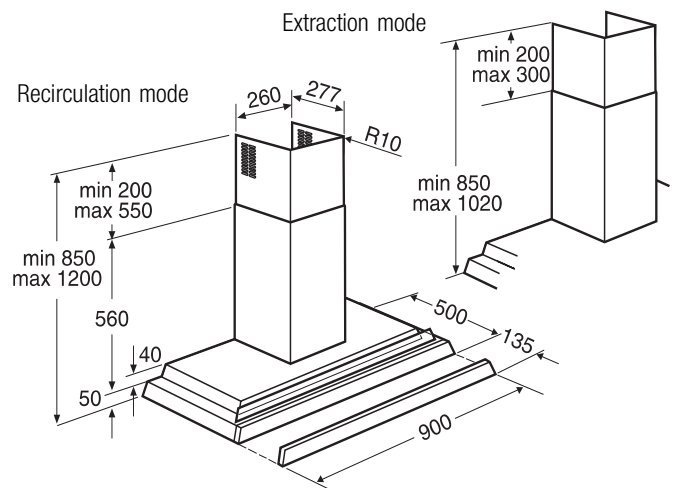
# Installation preconditions

- ⚠ The cooker hood may only be installed and the electrics connected by a qualified technician. Pay attention to the notes on safety on page 13!
- ⚠ **Danger!** For all installation and maintenance work the cooker hood must be disconnected from the power supply. As the mains plug is no longer accessible after installation, you must switch off the relevant household fuse.

## Scope of delivery

- TKD 988.1:**  
Hood body with extendable glass fume trap, motor housing and switching unit  
Chimney, recirculated air deflector, reduction piece (150-125 mm).  
Fastening material and drill hole template, instructions for use and installation.
- TKDEM 988.1:**  
Hood body with extendable glass fume trap, motor housing (without motor and fan) and switching unit, chimney.  
Fastening material and drill hole template, instructions for use and installation.

## Dimensions for installation



## Walls suitable for mounting/suitable fixings

- ⚠ The fitter is always responsible for selecting the correct fastening material. The fastening method must be suitable for the weight of the hood. Please also observe the "Guideline for extraction paths" on page 20.
- The cooker hood can be mounted directly on the wall or on a steel rear panel.
- The enclosed dowels and screws are suitable for walls made of perforated bricks or concrete bricks which are 20 mm thick.
- For solid concrete walls you must use special concrete dowels from a specialist store.
- For solid wooden walls you must use wood screws of sufficient thickness and length.

## Electric connection

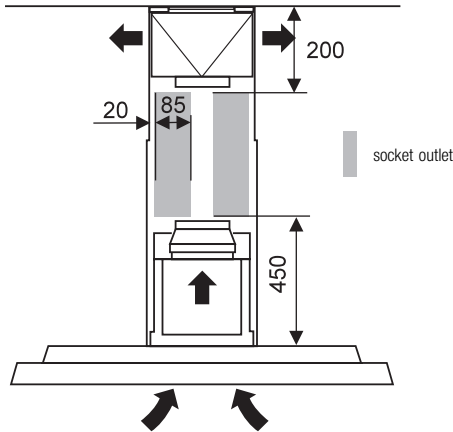
The hood is fitted with a normal mains plug and there should therefore be a socket outlet (230 V alternating current) in the chimney path. The associated dimensional drawing is to be found in the next chapter "Possible extraction versions".

## Possible extraction versions

- Determine the position of the socket outlet and, if required, the position of the exhaust hole, by means of the respective dimensional drawing.

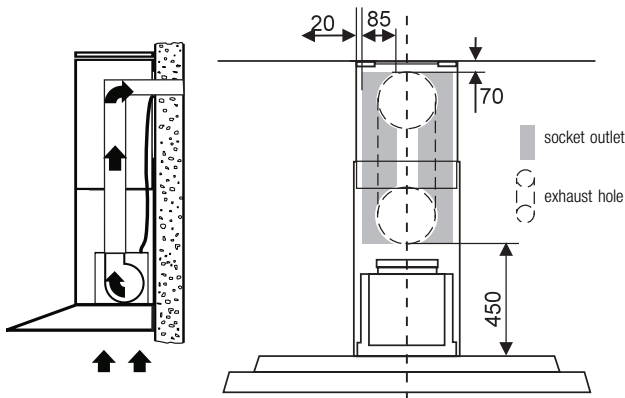
### Recirculation mode

There are no further preconditions for the customer, as there is no extraction path through the wall or ceiling. The socket outlet can be located within the marked area.



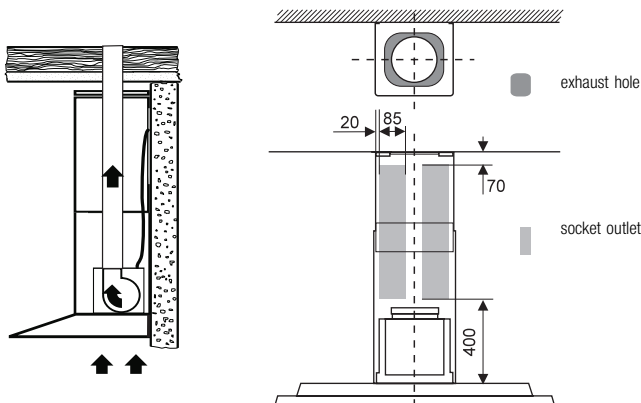
### Extraction path to the rear

There must be an exhaust channel 150 mm in diameter through the wall inside the marked chimney surface.



### Extraction path upwards

There must be an exhaust channel 150 mm in diameter in the ceiling above the installation point of the hood in accordance with the following drawing.



### Extraction mode with external motor TKDEM 988.1

In addition to the exhaust channel, the control line for the external motor must be guided through the exhaust hole. Since the external motor is powered via the cooker hood, a socket outlet must also be available here.

## Chimney attachment and length of chimney

The chimney attachment is flush with the chimney's upper edge. It can be mounted at the ceiling or on the wall. In the ideal case, the chimney ends at the ceiling.

The maximum chimney length amounts to 1020 mm in extraction mode and 1200 mm in recirculation mode, the minimum length amounts to 850 mm in both cases. (See "Dimensions for installation" at p.16.)

The lower edge of the hood must be located at least 650 mm above the cooking top in order to prevent the fat in the fat filter from igniting.

Determine the required chimney length by means of the dimensional drawing and check whether it can be realised.

## Installation

☞ In the described installation it is assumed that there is already an exhaust hole in the wall/ceiling.

⚠ Please observe the "Installation preconditions" on p.16!

## Unpacking of the components

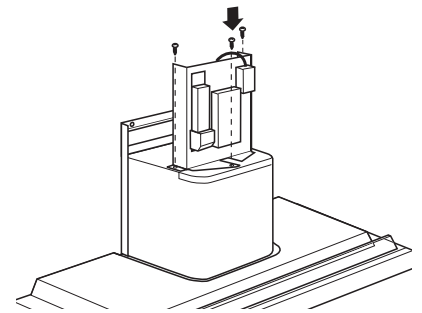
Unpack the components and check them for completeness.

- In case you should find any transport damages or other damages of the components, please immediately contact the supplier.
- The packing has to be properly disposed of.

## Screwing the switching unit to the hood body

For transport reasons, the switching unit is not yet screwed to the hood body.

- Fasten the switching unit at the hood body by using one of the 3 small sheet metal screws included in the scope of supply.



## Mounting a steel rear panel (optional)

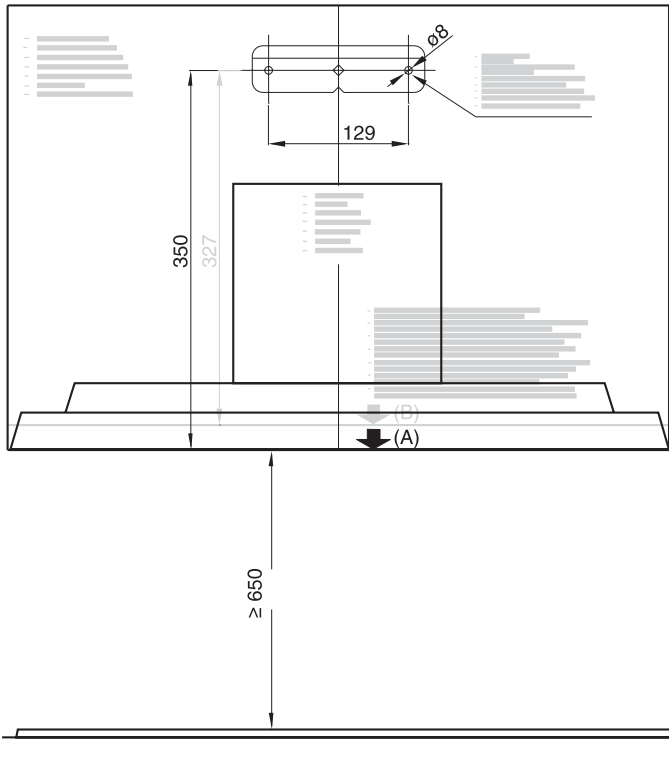
- Insert the bottom edge of the rear panel behind the worktop or the built-in hob. The rear panel must rest on the worktop.
- With a telescopic rear panel set the length you want. Pay attention, that when the hood is installed, the distance between the hood and the hob must be at least 650 mm.
- Mark the drill holes.
- Drill the holes and insert dowels.
- Guide the power cable and the control line of the external motor, if equipped, through the opening in the rear panel and screw on the panel.

Then fasten the cooker hood in the same way as it is fastened onto a wall.

## Marking the drill holes

The hood body is hung into a wall hook and additionally fastened by means of four locking screws.

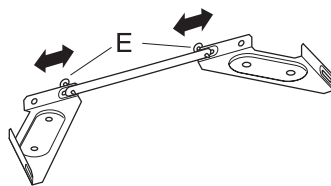
- The wall mounting must be aligned with a spirit level. Correct alignment of the hood is only possible if you perform this work accurately.
- Use a perpendicular to mark the centre above the cooking top in the area that is covered later.
- Place the drill hole template centrally above the hob. The lowest line of the template corresponds with the lower edge of the hood. Pay attention, that when the hood is installed, the distance between the hood and the hob must be at least 650 mm.



- Mark the holes for the wall hook.
- Set the chimney attachment to the width of 260 mm with the screws (E).

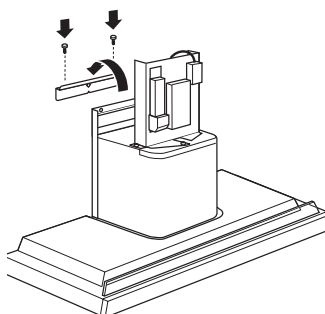
- Mark the holes for the chimney attachment centrally above the holes for the wall hook.

For this purpose, the chimney attachment must be held in the desired position.



## Installing the hood body and chimney attachment

- Drill the holes for the wall hook with  $\varnothing 8$  and insert dowels.
- Fasten the wall hook by means of the wall screws. The marked triangle in the hook must be located on the marked centreline.
- Attach the hood body to the wall hook. The marked triangle in the attachment must be located exactly on the marked centreline.
- Align the hood body in an exact horizontal position by means of the

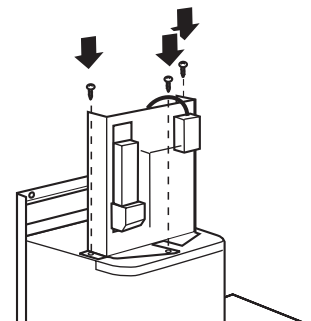
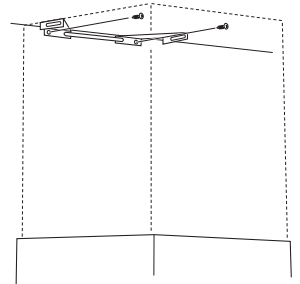
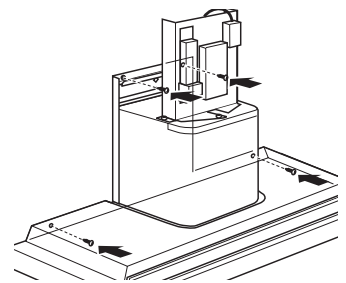


adjusting screws.

- Mark the four holes for the locking screws.
- Take the hood body off from the wall again.
- Drill the holes for the locking screws with  $\varnothing 8$  and insert dowels.
- Drill the holes for the chimney attachment.
- Fasten the chimney attachment with the angle cover facing upwards with wall screws and dowels. Mount the attachment directly under the ceiling so that the chimney is flush with the ceiling.

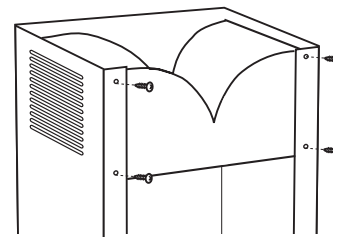
**Alternative: Screw it to the angle covers at the ceiling.**

- Attach the hood body to the wall hook again and centrally align it.
- Tighten the locking screws. If required, unscrew the switching unit for this purpose in order to be able to tighten the locking screws.
- Then tighten the two other screws of the switching unit.

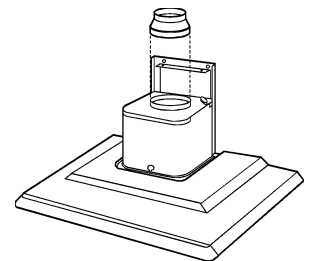


## Recirculation mode only: adjust deflector and ducting

- Screw the air deflector firmly to the upper chimney section, so that the deflector openings are in line with the venting slots. The open side of the deflector must adjoin the chimney.



- Put the attached reduction piece onto the motor opening.



- Connect the reduction piece and the deflector to an exhaust line ( $\varnothing 125$  mm).

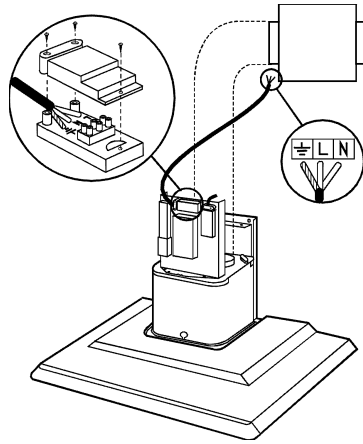
## Extraction mode only: attach the ducting

- Fasten the exhaust line ( $\varnothing 150$  mm) at the fan opening.
- Connect the exhaust line to the exhaust hole in the wall or ceiling.

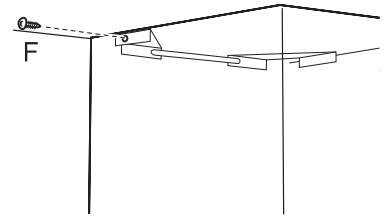


## TKDEM 988.1 only


- Guide the control cable of the external motor through the exhaust hole.
- Remove the cover of the switching and control unit.
- Connect the control line.
- Recover the switching and control unit.
- Connect the other end of the control cable to the external motor, if not pre-assembled.



- Extend the upper chimney upwards and screw tight to the chimney attachment with the screws (F).

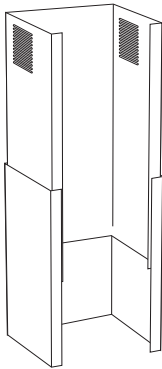


## Electric connection

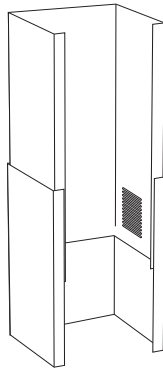
-  The household fuse must still be switched off!
- Plug the mains plug into the socket.

## Mounting the chimney

In case of hoods with recirculation mode the venting slots in the upper chimney section are turned to the top, in case of hoods with extraction mode to the bottom.

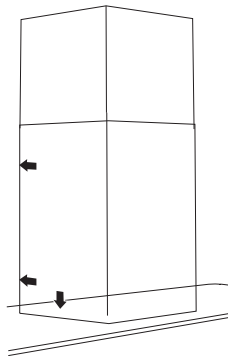


Extraction mode



Recirculation mode

- Insert the upper and lower chimney parts into each other in the right way.
- Put the chimney onto the hood body with the lower edge inserted into the recess.



## Inserting the filters

Before you install the filters again, you should read off the serial number and the model designation on the rating label and enter them on page 16.

### Only appliances with recirculation mode:

Insert an activated charcoal filter. See "Changing the activated charcoal filter (in recirculation mode)" on page 15.

### All appliances:

Insert the metal fat filters again.

## Function testing of the hood

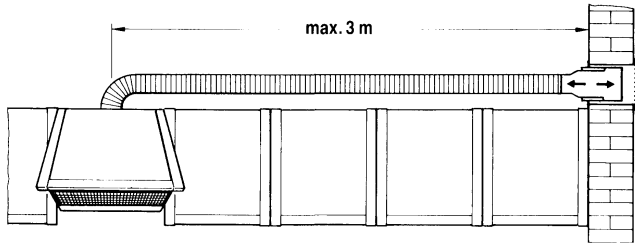
- Switch the household fuse on.
  - Check the lighting and ventilation.
- If the hood does not operate when the glass fume screen is opened, the accumulator of the operating fascia is not recharged. Push the glass fume screen fully in. The hood should now operate properly!**

# Guideline for extraction paths

Use round pipes with a 150 mm diameter or rectangular extraction channels with a cross section of 90 x 220 mm.

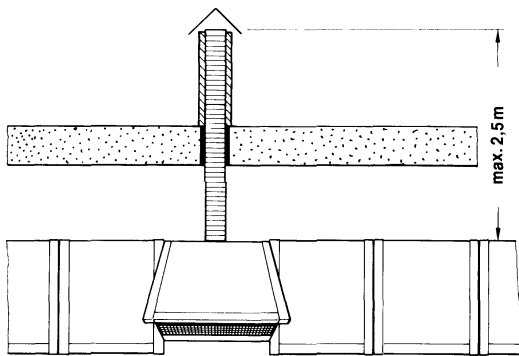
You should use the following schematic diagrams as a guide for the extraction paths:

## Extraction path through the walls



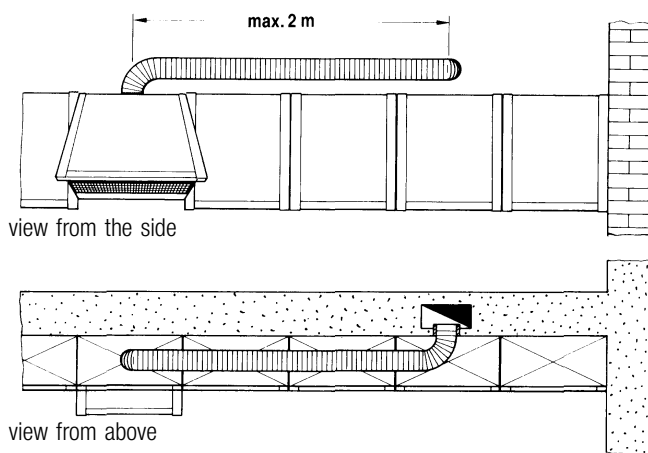
Here a telescope wall chock which can be adjusted to different wall thicknesses is built into the wall. The exhaust pipe should bend outwards slightly so that the condensation water can flow away easily.

## Extraction through the kitchen ceiling and roof



The height of the exhaust pipe must not exceed 2.5 m. The pipe must be heat insulated or an air-trap seal must be installed.

## Extraction into an existing exhaust shaft



The exhaust air must only be introduced into an existing exhaust shaft if this is insulated against damp and is not already used for fuel purposes. Have the chimney sweep responsible approve the use of the shaft.

## Please note:

If the extraction channel is led through cold rooms, condensation may form. If the extraction channel has several bends, is very long or has a very small

diameter, the suction power can be considerably reduced. The motor may become loud and irregular.

The crucial factor is the correct transition of the exhaust channel into the chimney:

