

BOSCH PVS601B16E Hob with Extractor Hood



BOSCH PVS601B16E Hob with Extractor Hood Instruction Manual

[Home](#) » [Bosch](#) » [BOSCH PVS601B16E Hob with Extractor Hood Instruction Manual](#) 

Contents

- [1 PVS601B16E Hob with Extractor Hood](#)
- [2 General information](#)
- [3 Establishing the connection to the power supply](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)
- [5 Related Posts](#)



BOSCH

PVS601B16E Hob with Extractor Hood



Specifications

- Model Number: 9001671875
- Version: 040408
- Language Options: Spanish, German, English, Finnish, French, Polish, Italian, Turkish, Dutch, Russian, Danish, Norwegian, Swedish

Volume of Supply

Ensure all components mentioned in the volume of supply are present.

Appliance Measurements

Refer to the provided measurements for accurate installation.

Mounting Dimensions for Rectangular Elbows

Follow the specified dimensions for installing rectangular elbows.

Safety Distances

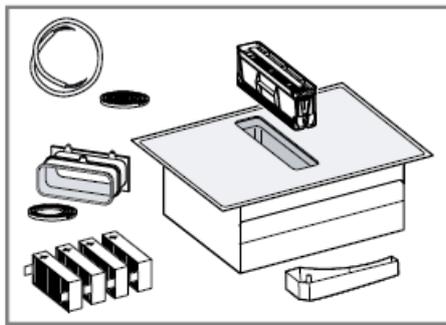
Keep the recommended safety distances during installation.

Scope of delivery

After unpacking all parts, check for any damage in transit and the completeness of the delivery. → Fig. 1

QR code for the installation video

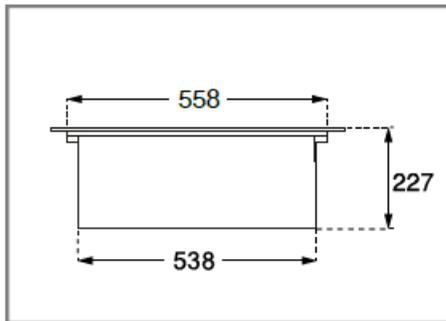
This is where you will find the QR code for the installation video. → Fig. 2



1



2



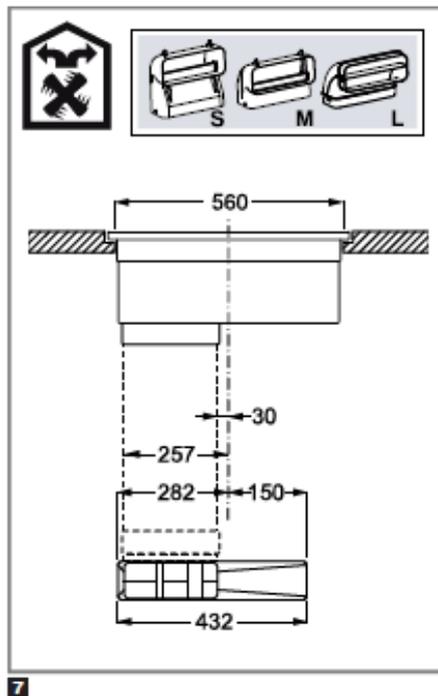
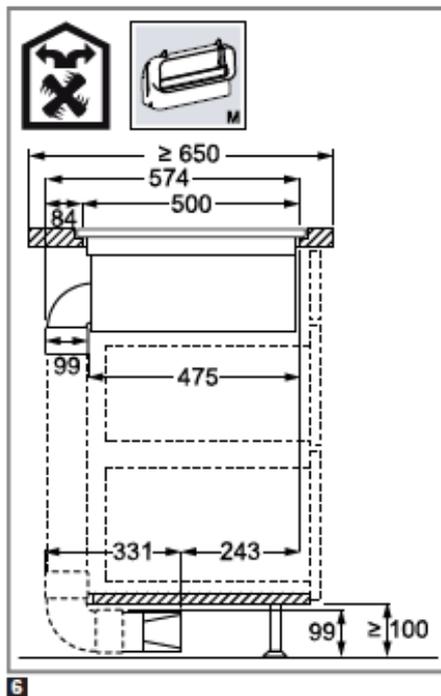
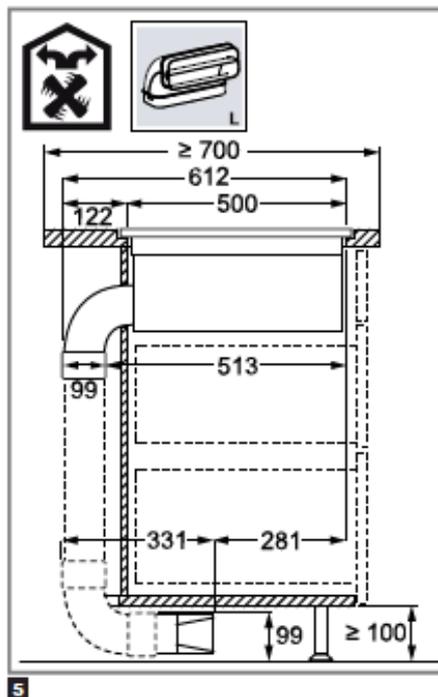
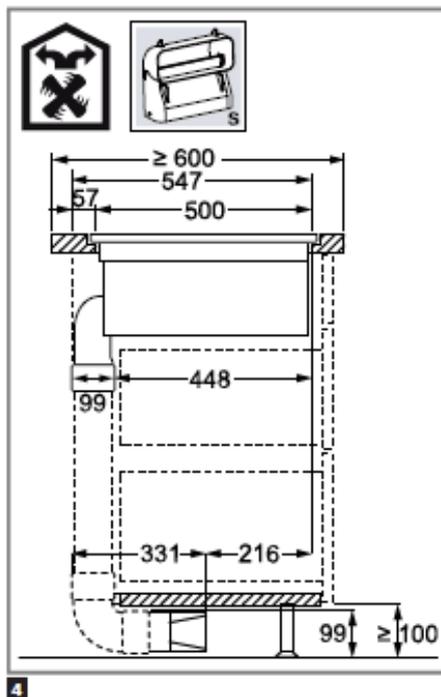
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Appliance dimensions

You will find the dimensions of the appliance here → Fig. 3

Installation dimensions for flat duct bends

This is where you can find an overview of the installation dimensions for the flat duct bends. Side view: → Fig. 4 ,
→ Fig. 5 , → Fig. 6 Front view: → Fig. 7



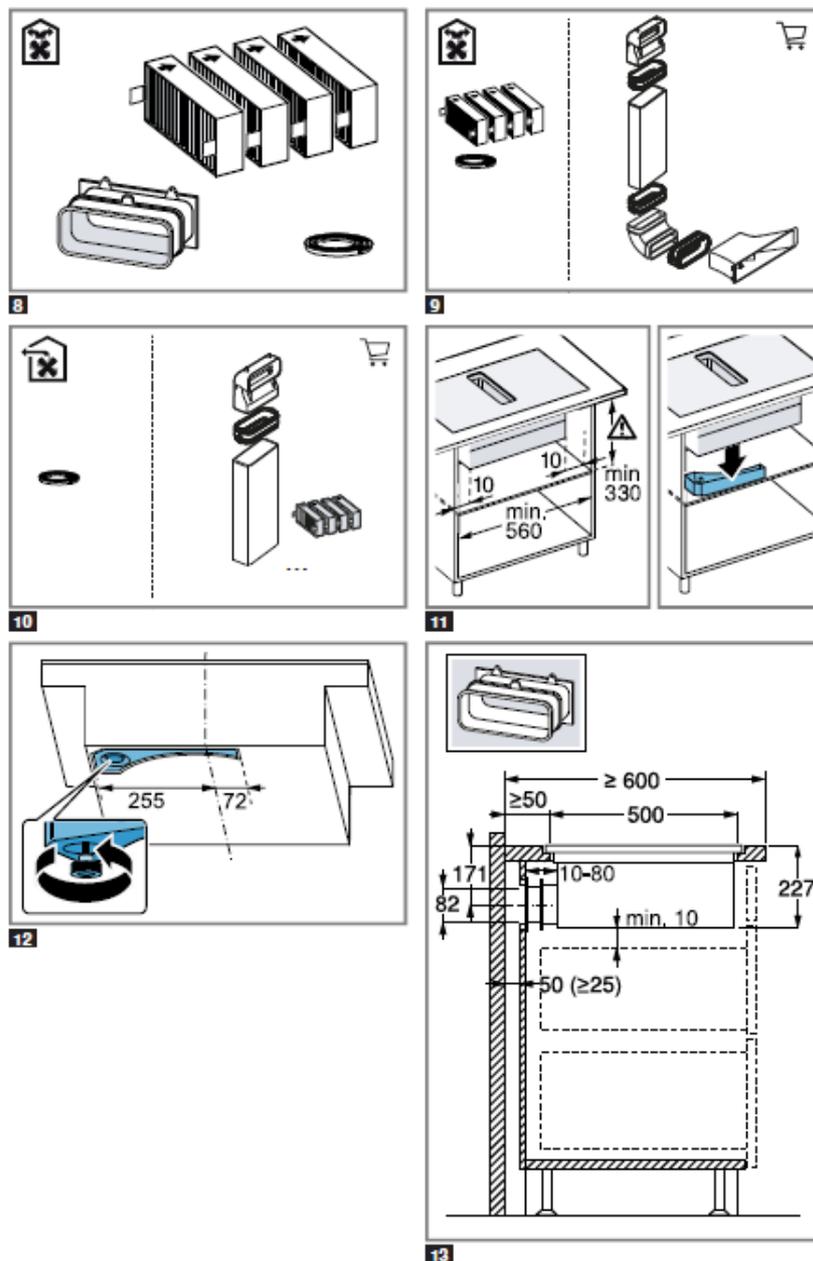
Installation variants

This is where you can find an overview of the different installation variants. Odor filter and adapter for circulating-air mode: → Fig. 8

Odour filter, diffuser and seal for circulating-air mode: → Fig. 9

Acoustics filter and seal for air extraction mode: → Fig. 10

Note: Channels suitable for installation can be obtained from customer service, our website or from specialist retailers.



Safety clearances

Comply with the safety clearances for the appliance.

Clearances to the overflow container: → Fig. 11

- Position of the overflow container: → Fig. 12
- The performance is optimal at a clearance of 50 mm between the unit back panel and the wall. The performance is reduced at a smaller clearance. → Fig. 13
- Observe the safety clearances for the worktop cutout.
- Do not place any objects in the drawer which exceed the maximum height of the drawer. The objects may come into contact with the base of the appliance and thus disrupt the functions. → Fig. 14

General information

- Read this instruction manual carefully.

- Switch off the power supply before carrying out any work.
- Never use this appliance in boats or in vehicles.
- Follow the worktop manufacturer's recommendations.

Safe installation

Follow these safety instructions when installing the appliance.

The appliance can only be used safely if it is correctly installed according to the safety instructions. The installer is responsible for ensuring that the appliance works perfectly at its installation location.

WARNING – Danger: Magnetism!

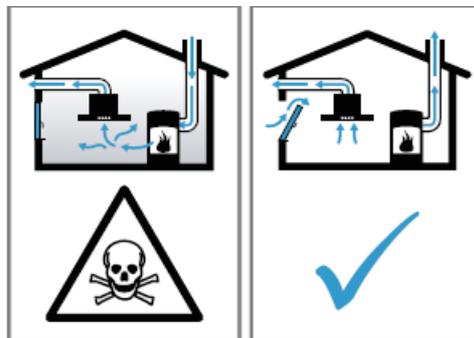
The appliance contains permanent magnets. They may affect electronic implants, e.g. pacemakers or insulin pumps.

- Persons with electronic implants must stand at least 10 cm away from 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 suitable ventilation measures to you.
- Unrestricted operation is possible if the appliance is operated exclusively in circulating-air mode.

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.

WARNING – Risk of injury!

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.
- Parts that are accessible during installation may have sharp edges and may lead to cutting injuries.
- Wear protective gloves.
- The appliance is heavy.
- To move the appliance, two people are required.
- Use only suitable tools and equipment.

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 poisoning!

- Risk of poisoning from flue gases being drawn back.
- 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.
- Risk of poisoning from flue gases being drawn back.
- 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.

Information about 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 mains socket that has been installed correctly.

- An all-pole isolating switch must be integrated into the permanent electrical installation in accordance with the conditions of overvoltage category III and in accordance with 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.

- Do not kink or trap the connection cable, and keep it away from sharp edges.
- Route the connection cable in such a way that it does not touch the hot casing.
- Use only the connection cable that is supplied with the appliance or is provided by technical after-sales service.
- 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.

- The manufacturer shall assume no liability for malfunctions or damage resulting from incorrect electrical wiring.

Preparing the electrical connection

Requirement: Only after-sales service staff who have been trained accordingly may carry out work on the inside of the appliance or replace the power cord.

1. Observe the information about the electrical connection.

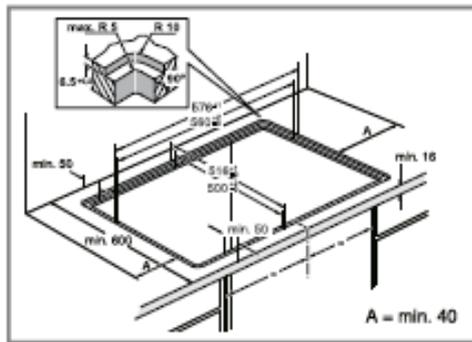
An incorrect installation, an improper installation or a connection invalidates the warranty.

2. If a longer mains power cable is required, contact the after-sales service. Connecting cables up to 2.20 m are available.
3. . On appliances without a preinstalled cable, insert the power cable into the main socket.

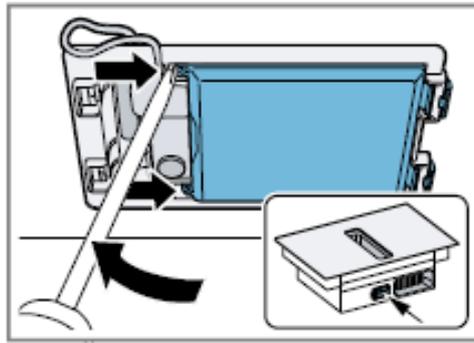
Use a screwdriver to lift the cover of the mains outlet. → Fig. 15

Preparing the mains socket

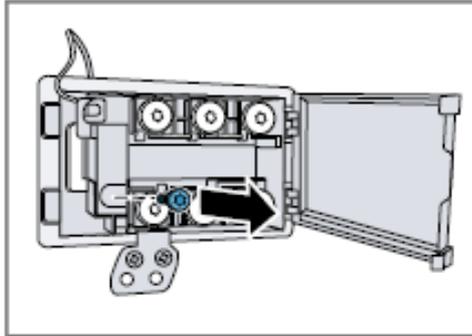
1. Undo the screw. → Fig. 16
2. Use a screwdriver to lift the strain relief. → Fig. 17
3. Loosen the strain relief. → Fig. 18



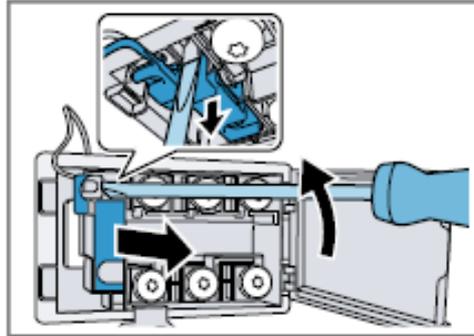
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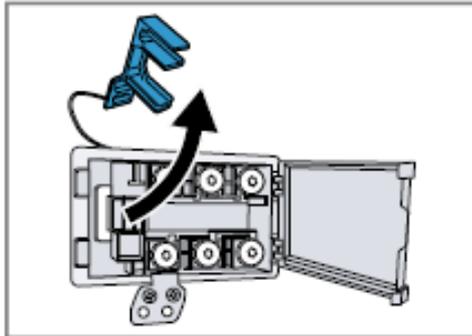
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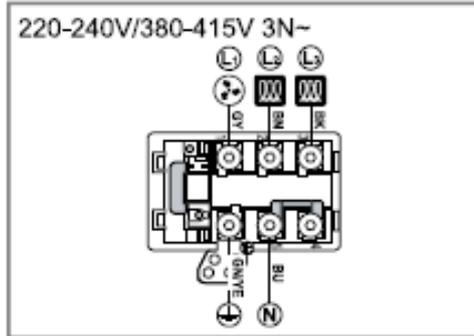
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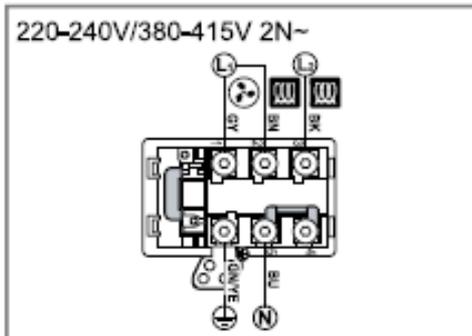
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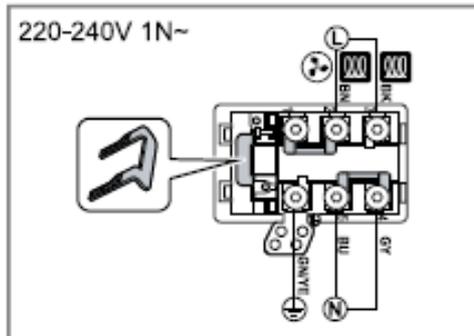
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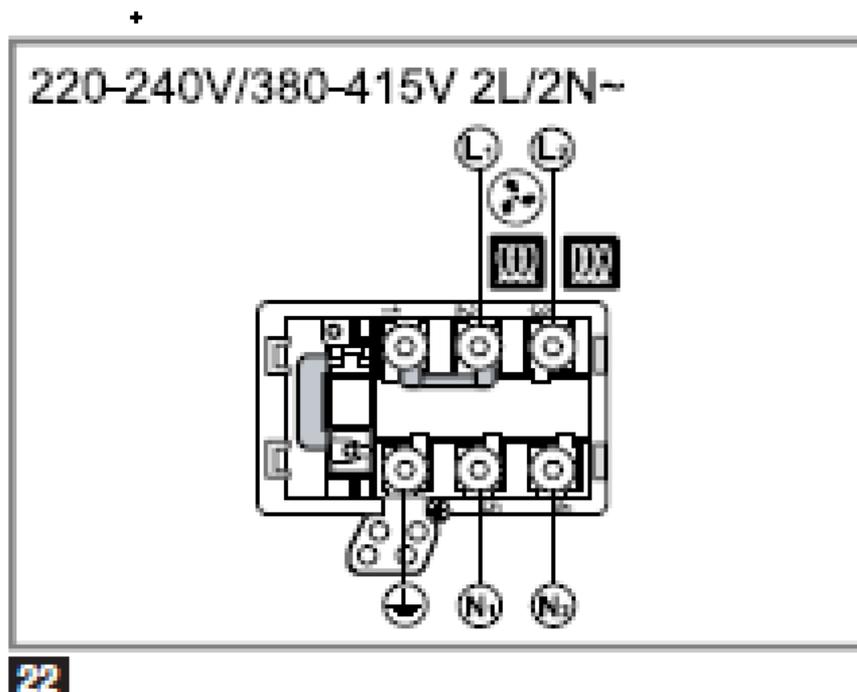
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21

Connecting the cable to the mains socket

1. For 3 N, connect the cable to the mains socket in accordance with the following figure. → Fig. 19
2. For 2 N, connect the cable to the mains socket in accordance with the following figure. → Fig. 20
3. For 1 N, connect the cable to the mains socket in accordance with the following figure. → Fig. 21
4. For 2 L/2 N, connect the cable to the main socket in accordance with the following figure. → Fig. 22



5. Note the colours of the cables.

- BN: Brown
- BU: Blue
- GN/YE: Yellow and green
- BK: Black
- GY: Grey

6. If required, install the enclosed copper bridges in accordance with the connection diagram.

7. Connect the cables and then tighten the screws of the main socket.

8. For a 1 N~ or 2 L/2 N connection in accordance with the connection diagram, 1 corresponds to the fan motor.

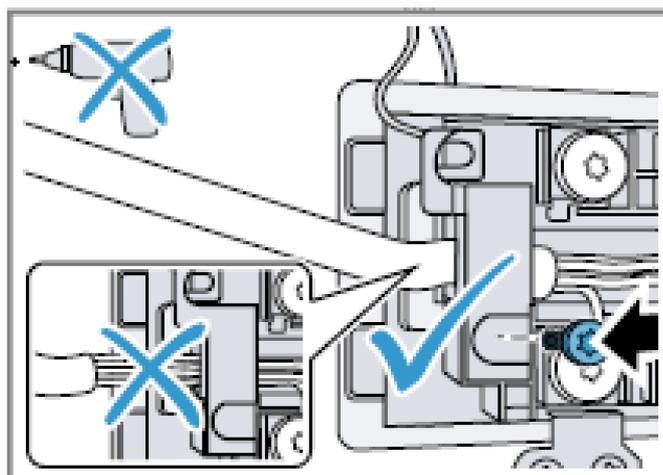
9. For a 2 N~/3 N~ connection, phase L1 (grey) corresponds to the fan motor.

Secure the cable in the mains socket

1. Use the strain relief to secure the power cable in place.

2. Tighten the screw at the correct position.

Do not use a cordless screwdriver. → Fig. 23



3. To facilitate closing the mains socket, arrange the cables in the central area of the mains socket.

4. Close the cover on the mains socket.

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 air 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.

Instructions for the air extraction mode

For air extraction mode, a one-way flap should be installed.

Notes

- If a one-way flap is not included with the appliance, one can be ordered from a specialist retailer.
- If the exhaust air is conveyed through the external

Checking the units

1. Check whether the fitted unit is level and has sufficient load-bearing capacity.
2. The maximum weight of the appliance is approx. 25 kg.
3. The worktop into which you are fitting the appliance must be able to withstand loads of approx. 60 kg.
Ensure that the stability of the fitted unit is also guaranteed following cut-out work.
Use suitable substructures to ensure 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.
4. Ensure that the fitted unit is heat-resistant up to 90 °C.
5. Do not support any other appliances, e.g. ovens, refrigerators, dishwashers or washing machines.
6. Only check that the appliance is level once it has been installed in the installation opening.
7. You can freely select the clearance to a top cabinet. In doing so, take into consideration the ease of use and ergonomics when using the plate.

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:

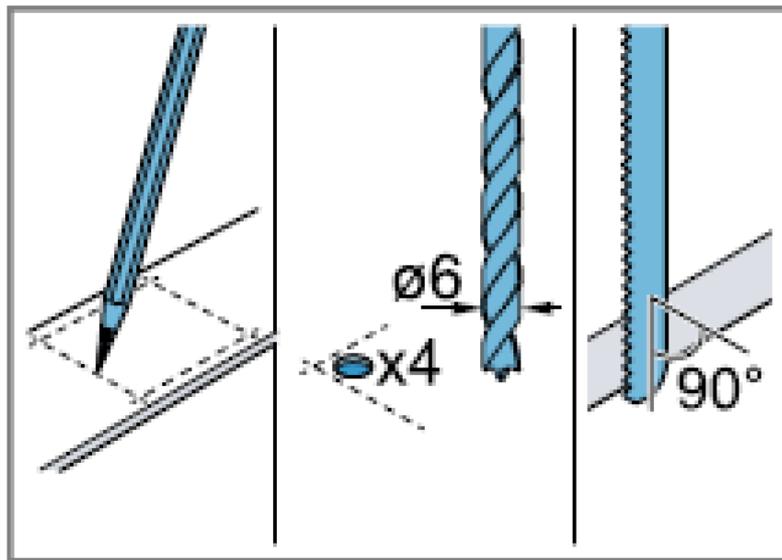
- Stone worktops
- Plastic worktops, e.g. Corian®
- Solid wood worktops

Installation in compressed-wood worktops is not possible.

Preparing the units

Requirement: The fitted units are heat-resistant up to 90 °C.

1. Mark the unit cut-out in accordance with the installation diagram. → Fig. 14
2. Drill four holes with a diameter of 6 mm. → Fig. 24



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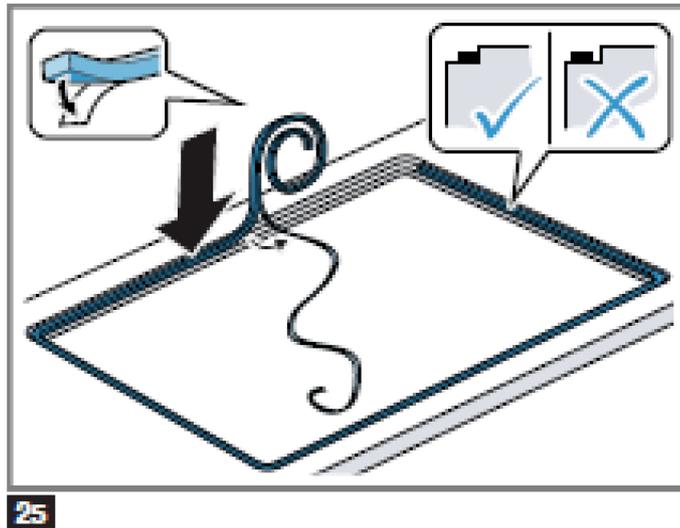
3. Ensure that the angle of the cut surface to the worktop is 90°. → Fig. 24

Observing the minimum clearances when in-stalling above a drawer

1. When removing the overflow container on integrated appliances, take the minimum clearances into consideration. → Fig. 11
2. Observe the position of the overflow container. Fig. 12

Attaching adhesive tape

- Attach the supplied long adhesive tape to the edge of the worktop. → Fig. 25



Preparing the unit for circulating air mode with the adapter

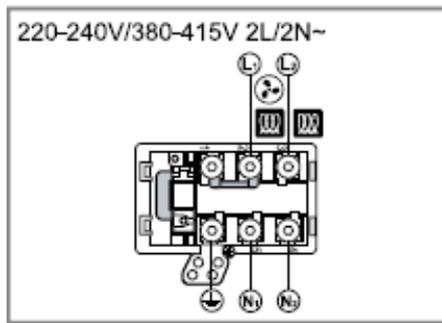
Notes

- We do not recommend installing on a non-thermally insulated outer wall or above a cold floor ($\mu \geq 0.5 \text{ W/m}^2 \text{ }^\circ\text{C}$).
- Air outlets must not be directed at other appliances, they should be parted by a separation panel. If you cannot install any separation panels, refer to other installation types..

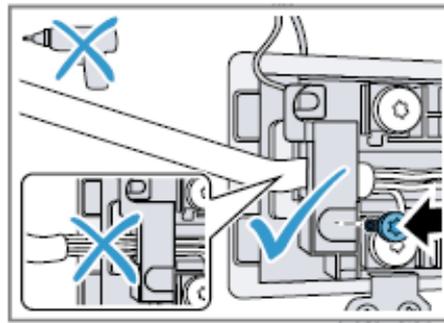
1. Observe the relevant dimensions when combined with the adapter for the cut-out in the back wall. → Fig. 26
2. Measure the thickness of the worktop.
3. Transfer the measurement to the template and draw a line that corresponds to it. → Fig. 27
4. Cut the template along the marked line for work-top thickness A, the cut center line B and the reference line to the inner air outlet C.

Mark the centre of the cut-out in the worktop as the centre line on the back panel of the unit. Fig. 28

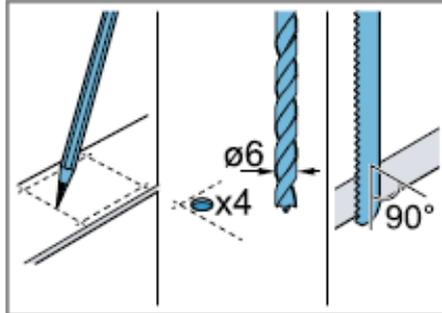
5. Align the template to the centre line of the back panel of the unit and to the lower edge of the work surface.



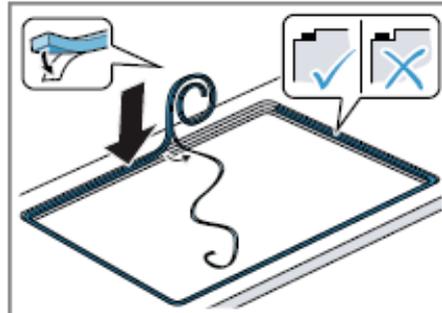
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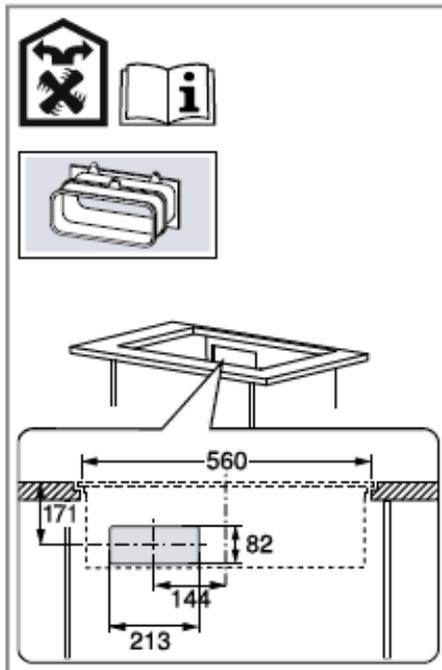
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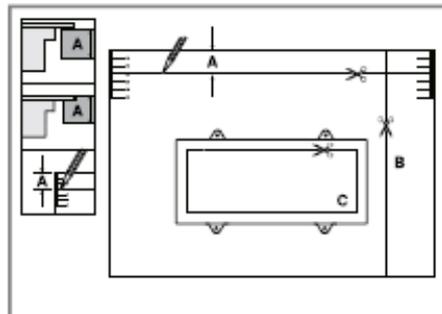
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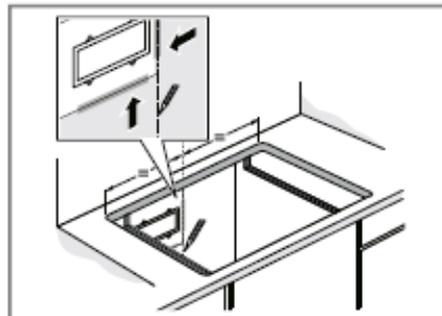
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28

6. Use the template to make the cut-out in the back panel.
7. After making the cut-outs, remove any shavings.
8. Seal the cut surfaces so that they are heat-resistant and waterproof. → Fig. 24

Ventilation

1. In circulating-air mode, establish an air outlet in the unit's plinth.
 - Provide a minimum air outlet cross-section of approx. 400 cm².
 - Make the outlet opening in the base panel as large as possible in order to keep draughts and noise to a minimum.
 - Make the outlet opening by shortening the plinth or by using suitable ventilation grilles or lamellar plinth.
2. To guarantee that the appliance works correctly, ventilate the hob appropriately via an air outlet with a minimum cross-section of 200 cm² in the base unit.

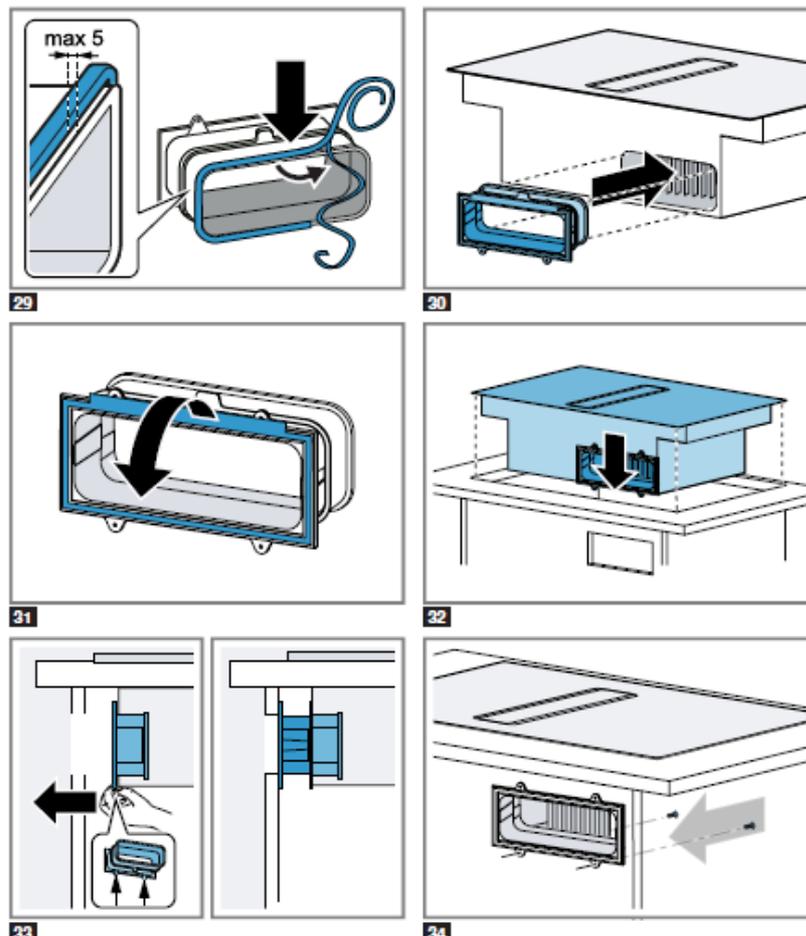
Installing an appliance featuring a circulating-air model adapter

Attaching the seal to the adapter

Attach the seal to the adapter with max. 5 mm to the edge. → Fig. 29

Attaching the adapter

1. Clean and degrease the adhesive surface around the cut-out in the unit's back panel.
2. Insert the adapter into the outlet opening on the rear of the hob. → Fig. 30
3. Remove the adhesive tape's protective film from the adapter. → Fig. 31

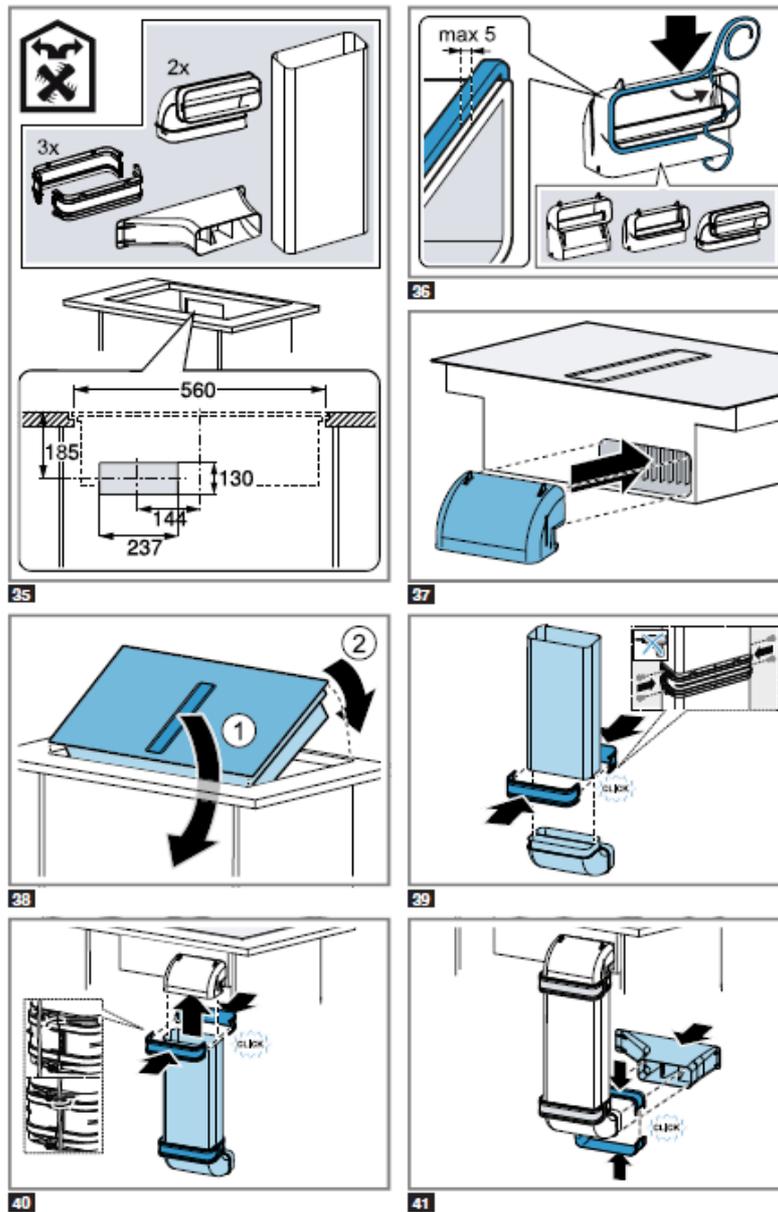


Inserting the appliance into the worktop cut-out

1. Ensure that the connection cable is connected to the appliance.
2. Carefully insert the appliance into the worktop cut-out. → Fig. 32

Securing the adapter

1. Hold the adapter at the central holder and use the side holders to slide it towards the unit's back panel in the base unit, then affix it. → Fig. 33
2. If required, also use screws to secure it. → Fig. 34



7

Preparing the unit for circulating air mode with a circulating air duct

1. If required, remove the unit's back wall.
2. Observe the relevant dimensions when combined with the flat duct elbow for the cut-out in the back. → Fig. 35
3. In circulating-air mode, establish an air outlet in the unit's plinth.
 - Provide a minimum air outlet cross-section of approx. 400 cm²
 - .Make the outlet opening in the base panel as large as possible in order to keep draughts and noise to a minimum.
 - Make the outlet opening by shortening the plinth or by using suitable ventilation grilles or lamellar plinth.
4. To guarantee that the appliance works correctly, ventilate the hob appropriately via an air outlet with a minimum cross-section of 200 cm² in the base unit.
5. After making the cut-outs, remove any shavings.
6. Seal the cut surfaces so that they are heat-resistant and waterproof. → Fig. 24

Installing the appliance for air recirculation mode with circulating-air duct

1. For circulating-air mode, use the seal, the circulating-air duct, the diffuser and the odour filter.

Observe the dimensions for the different flat duct bends. → Page 20

Securing the seal

- Secure the enclosed seal on the flat duct elbow at a maximum of 5 mm from the edge. → Fig. 36

Inserting the flat duct elbow

- Insert the flat duct elbow into the outlet opening on the rear of the appliance. → Fig. 37

Inserting the appliance into the worktop cut-out

1. Ensure that the connection cable is connected to the appliance.
2. Carefully insert the appliance into the worktop cut-out. → Fig. 38

Establishing the pipework between the appliance and the diffuser

1. Connect the components of the circulating-air duct to each other.
 - Secure the flat duct pipe connector by engaging it in place.
 - For additional fixing, screw the flat duct pipe connector together using 4 x PT 4x8 mm screws for plastic.
→ Fig. 39
2. Connect the circulating air duct to the flat duct elbow on the rear of the hob. → Fig. 40
3. Connect the diffuser to the circulating air duct. → Fig. 41

Preparing the unit for air extraction mode

1. If required, remove the unit's back wall.
 2. Observe the relevant dimensions when combined with a flat duct elbow for the cut-out in the back wall. → Fig. 42
 3. After making the cut-outs, remove any shavings.
 4. Seal the cut surfaces so that they are heat-resistant and waterproof. → Fig. 43

Install the appliance for air extraction mode

1. For air extraction mode, use the seal and acoustics filters.
2. Observe the instructions for the exhaust air pipe. → Page 22

Securing the seal

- Secure the enclosed seal on the flat duct elbow at a maximum of 5 mm from the edge. → Fig. 36

Establishing the piping

1. Insert the flat duct elbow into the outlet opening on the rear of the appliance. → Fig. 37

2. If required, install additional piping elements.

Inserting the appliance into the worktop cut-out

1. Ensure that the connection cable is connected to the appliance
2. Carefully insert the appliance into the worktop cut-out. → Fig. 3

Connecting the exhaust air pipe

1. Secure the exhaust air pipe to the flat duct bend.
2. Establish the connection to the exhaust air opening.
3. Seal the joints appropriately.

Inserting filters

Note: For circulating-air mode, insert the odour filters.
For air extraction mode, insert the acoustics filters.

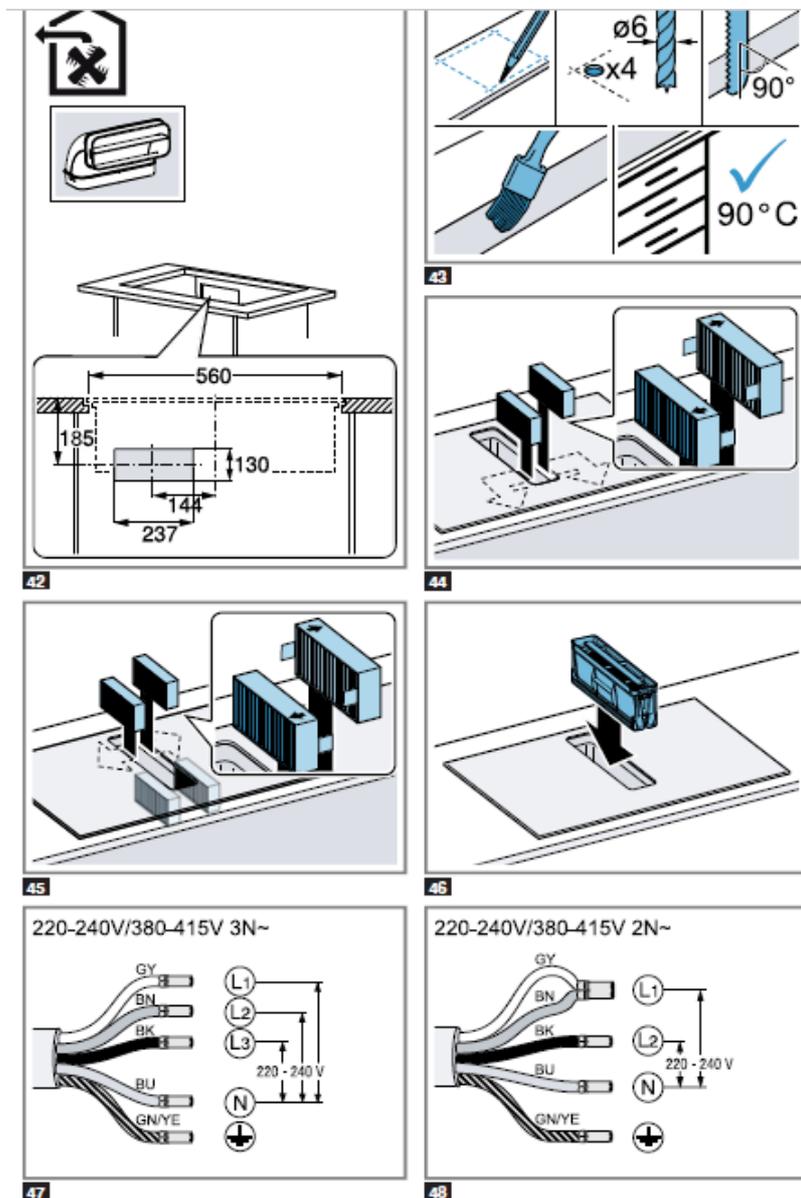
1. Observe the filters' air flow direction.
2. Insert two of the filters into the left and right of the appliance, and slide them forwards. → Fig. 44
3. . Insert the other filters into the left and right of the appliance. → Fig. 45

Inserting grease filters

- Insert the grease filter. Fig. 46

Establishing the connection to the power supply

1. Observe the connection data on the rating plate.
2. For 3 N, connect the cable to the mains socket in accordance with the figure. → Fig. 47
3. For 2 N, connect the cable to the mains socket in accordance with the figure. Fig. 48



4. For 1 N, connect the cable to the mains socket in accordance with the figure. → Fig. 49
5. For 2 L/2 N, connect the cable to the mains socket in accordance with the figure. → Fig. 50
6. Note the colours of the cables.

- BN: Brown
- BU: Blue
- GN/YE: Yellow and green
- BK: Black
- GY: Grey

7. If required, arrange the supplied wire end ferrules differently depending on the type of connection.

8. To connect two cables, if required, use a wire end ferrule.

- Shorten the wires.
- Remove the insulation.

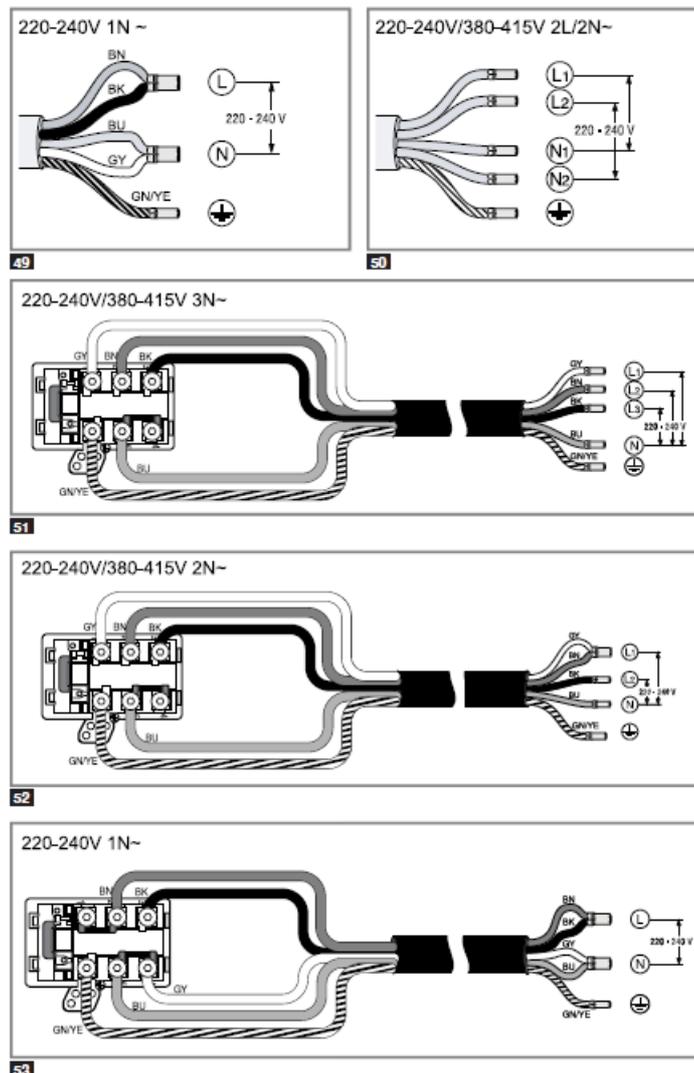
Checking the function

1. Switch on the appliance.
2. If , or lights up, the appliance is not connected correctly. → “Checking and correcting the electrical connection”,

- If no faults appear in the appliance's display, use the operating instructions to check that the ventilation is working.

Checking and correcting the electrical connection

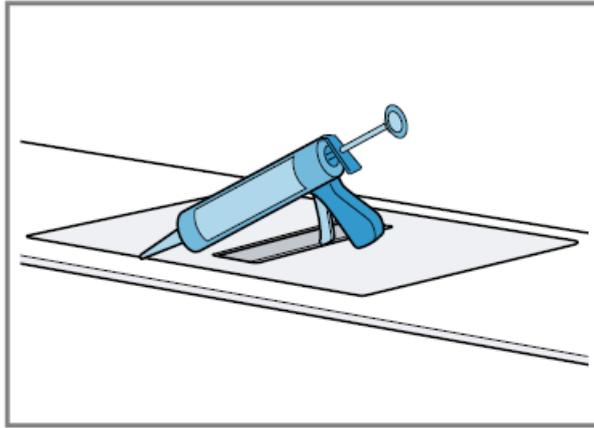
- Disconnect the appliance from the power supply.
- Check whether the connection to the appliance and the building-side connection correspond to the connection diagram in these installation instructions. → "Preparing the electrical connection", Page 21 → "Establishing the connection to the power supply", Page 24
- For 3 N, observe the following figure. → Fig. 51
- For 2 N, observe the following figure. → Fig. 52
- For 1 N, observe the following figure. → Fig. 53



Sealing crevices

Requirement: You must carry out a function test before sealing the joint.

- Seal the gap around it using suitable, heat-resistant silicone, e.g. Novasil® S70 or Ottoseal® S70. → Fig. 54
Unsuitable silicone adhesive causes permanent discoloration to natural stone worktops.
- Use the smoothing agent recommended by the manufacturer to smooth the crevice.
- Observe the usage instructions for the silicone hours.



54

The drying time depends on the ambient temperature.

4. Do not operate the appliance until the silicone has dried completely.

Switching the display for air extraction mode

1. If required for the air extraction mode and the air recirculation mode, change the display of the electronic control in the basic settings.
2. Observe the basic settings section in the instruction manual.

Removing the appliance

ATTENTION

Tools may damage the appliance frame.

- Do not prise out the appliance from above.
1. Disconnect the appliance from the power supply.
 2. Remove the exhaust air duct or undo the circulating- air connections.
 3. Remove the silicone joint.
 4. Push out the appliance from below.

Documents / Resources



[BOSCH PVS601B16E Hob with Extractor Hood](#) [pdf] Instruction Manual
PVS601B16E, PVS601B16E Hob with Extractor Hood, Hob with Extractor Hood, Extractor Hood
, Hood

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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