

Safety instructions for installation

 Risk of damage from incorrect installation.

Incorrect installation can cause damage to the cooktop.

The cooktop must only be installed by a qualified person.

 Danger of electric shock!

Incorrect connection to the power supply may result in an electric shock.

The cooktop must be connected to the power supply by a qualified electrician.

 Damage from falling objects.

Take care not to damage the cooktop when fitting wall units or a rangehood above it.

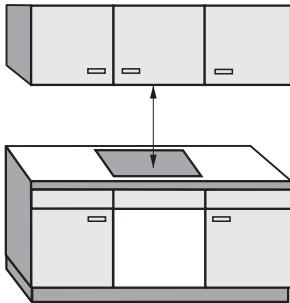
Fit the wall units and the rangehood before the cooktop.

- ▶ The veneer or laminate coatings of worktops (or adjacent kitchen units) must be treated with 100 °C heat-resistant adhesive which will not dissolve or distort. Any splashbacks must be of heat-resistant material.
- ▶ The cooktop must not be installed over a fridge, fridge-freezer, freezer, dishwasher, washing machine, washer-dryer or tumble dryer.
- ▶ This cooktop must not be installed above ovens unless these have a built-in cooling fan.
- ▶ After installation, ensure that nothing can come into contact with the connection cable and that it is without hindrance.
- ▶ The connection cable may not come into contact with any moving kitchen component (e.g. a drawer) or be subject to mechanical obstruction which could damage it.
- ▶ Carefully observe the safety clearances listed on the following pages.

Installation

Safety distances

Safety distance above the cooktop



The safety distance specified by the manufacturer of the rangehood must be maintained between the cooktop and the rangehood above it.

If the manufacturer's instructions are not available for the rangehood, a minimum safety distance of 600 mm must be maintained.

For any flammable objects, e.g. utensil rails, wall units etc., a minimum safety distance of 600 mm must be maintained between these objects and the highest part of the cooktop below.

When two or more appliances which have different safety distances are installed together below a rangehood, observe the greatest specified safety distance.

Installation

Safety distances to the sides and back of the appliance

The minimum distance shown below must be maintained between the back edge of the cooktop and a tall unit or wall.

Ideally the cooktop should be installed with plenty of space on either side. There may be a wall at the rear or a tall unit or wall on one side (right or left), taking into account the distances below. On the other side, however, no tall unit or wall should stand closer than 300 mm to the edge of the cooktop. Before installing the cooktop, check that the below clearance requirements are met.

Minimum horizontal distance from the **back edge** of the cooktop to a combustible surface:
50 mm.

Minimum horizontal distance from the **right edge** of the cooktop to a combustible surface:
50 mm.

Minimum horizontal distance from the **left edge** of the cooktop to a combustible surface:
50 mm.

Minimum safety distance underneath the cooktop

To ensure sufficient ventilation to the cooktop, a minimum distance must be left between the underside of the cooktop and any oven, interim shelf or drawer.

The minimum gap between the underside of the cooktop and

- the top edge of an oven: 2 mm
- the top edge of an interim shelf: 2 mm
- the top edge of a drawer: 5 mm
- the base of a drawer: 75 mm

Interim shelf

It is not necessary to fit an interim shelf underneath the cooktop but one may be fitted if you wish.

Leave a gap of 10 mm at the back between the cabinet and the interim shelf to **accommodate the power cable**.

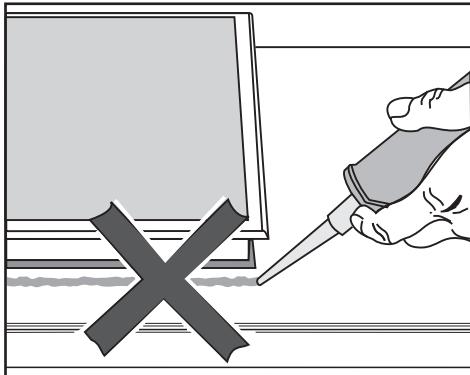
A gap of 20 mm is recommended at the front between the cabinet and interim shelf for better **ventilation** of the cooktop.

Installation

Installation notes

Surface-mounted installation

Seal between the cooktop and the worktop



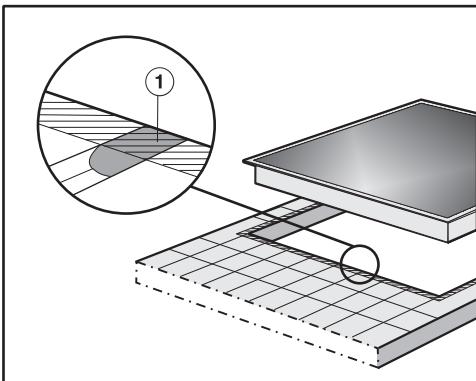
 Damage caused by incorrect installation.

Using sealant under the cooktop could result in damage to the cooktop and the worktop if the cooktop ever needs to be removed for servicing.

Do not use sealant between the cooktop and the worktop.

The sealing strip under the edge of the cooktop provides a sufficient seal for the worktop.

Tiled worktop



Grout lines ① and the hatched area underneath the cooktop frame must be smooth and even. If they are not, the cooktop will not sit flush with the worktop and the sealing strip underneath the cooktop will not provide a good seal between the cooktop and the worktop.

Installation

Flush-fit installation

Flush-fit installation is only possible in natural stone (granite, marble), solid wood and tiled worktops. When using a worktop made from any other material, please check first with the worktop manufacturer that it is suitable for installing a flush-mounted cooktop.

The internal width of the base unit underneath the appliance must be at least as wide as the inner worktop cut-out (see “Installation – Installation dimensions – Flush”), so that the cooktop is easily accessible from underneath after installation and the bottom half of the casing can be removed for maintenance. If the underside of the cooktop is not freely accessible after installation, any sealant used to plug the gaps around the appliance must be removed to enable the cooktop to be lifted out of the cut-out should this be necessary.

Natural stone worktops

The cooktop is placed directly in the cut-out.

Solid wood worktops, tiled worktops, glass worktops

The cooktop is placed on a wooden frame inside the cut-out. The frame must be provided on site and is not supplied with the appliance.

Sealing strip

Dismantling the cooktop for service purposes may damage the sealing strip underneath the edge of the cooktop.

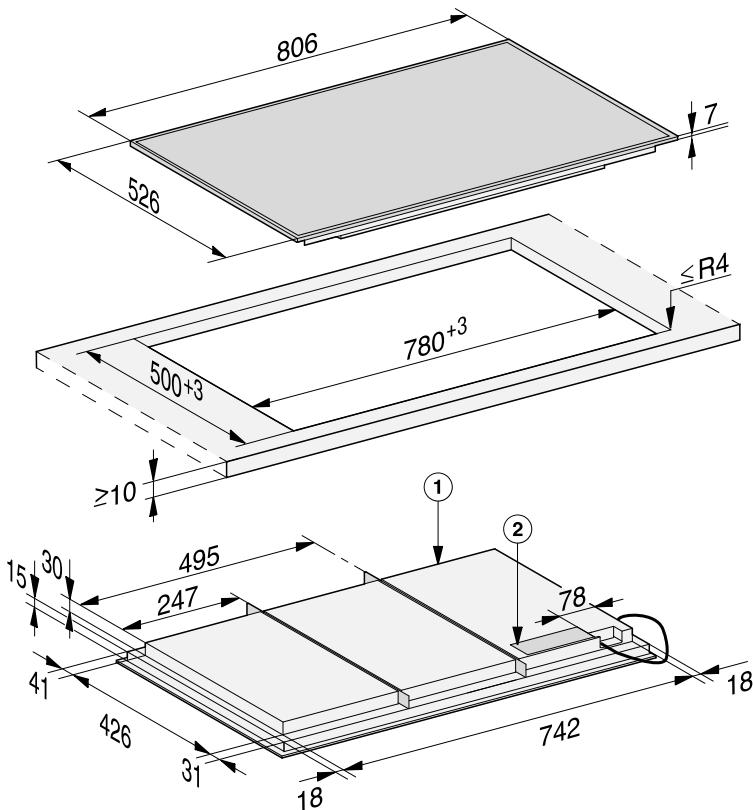
Always replace the sealing strip before reinstalling the cooktop.

Installation

Installation dimensions – Surface-mounted

All dimensions in this instruction booklet are given in mm.

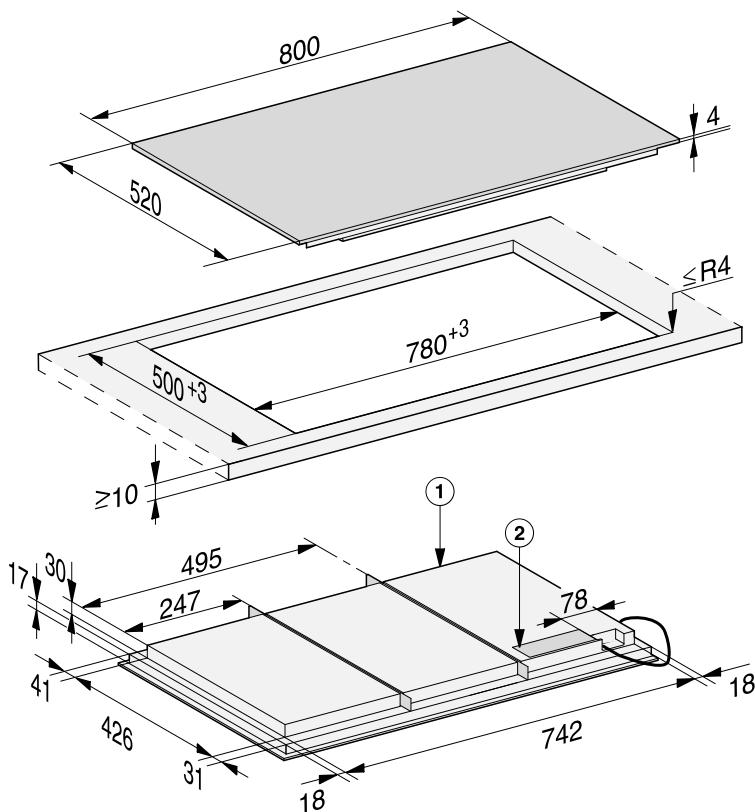
KM 7678 FR



① Front

② Mains connection box

The mains connection cable ($L = 1,440$ mm) is supplied loose

KM 7678 FL, KM 7878 FL

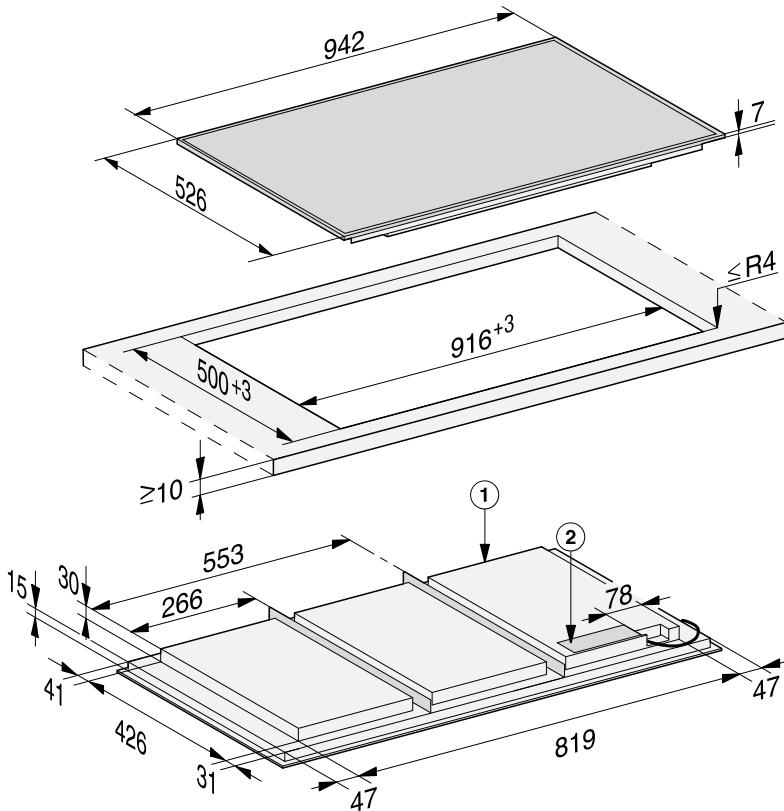
① Front

② Mains connection box

The mains connection cable ($L = 1,440$ mm) is supplied loose

Installation

KM 7697 FR

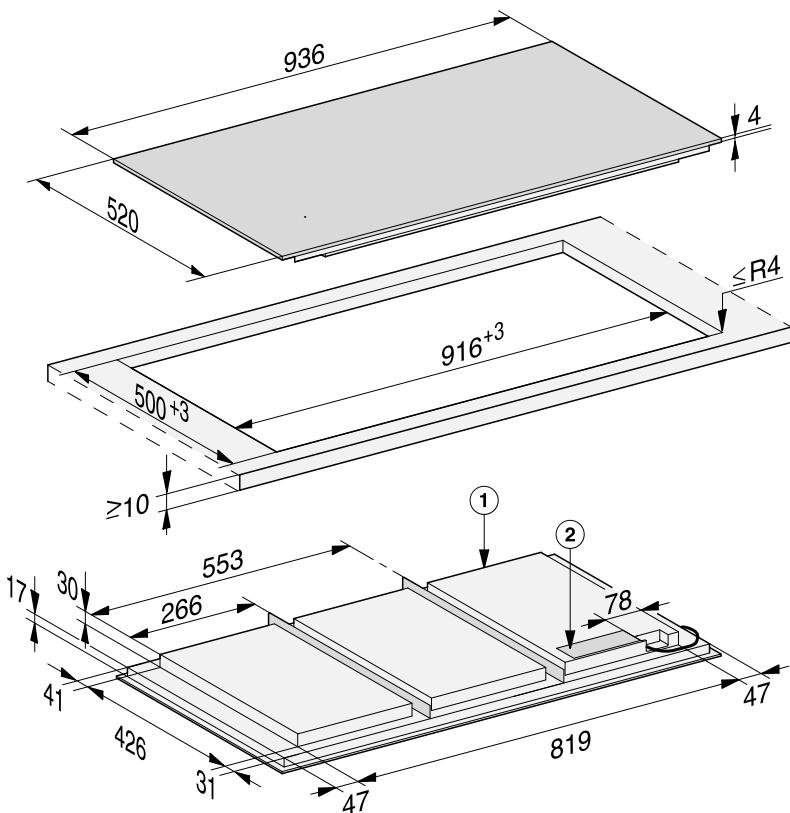


① Front

② Mains connection box

The mains connection cable (L = 1,440 mm) is supplied loose

KM 7697 FL, KM 7897 FL



① Front

② Mains connection box

The mains connection cable (L = 1,440 mm) is supplied loose

Installation

Surface-mounted installation

- Create the worktop cut-out. Remember to maintain the minimum safety distances (see “Installation – Safety distances”).
- Seal the cut surfaces of **wooden worktops** with a suitable sealant to avoid swelling caused by moisture. The sealant must be heat-resistant.

Make sure the sealant does not come into contact with the top surface of the worktop.

If the seal does not meet the worktop correctly on the corners, the corner radius ($\leq R4$) can be carefully scribed to suit.

- Connect the cooktop to the electricity supply (see “Installation – Electrical connection”).
- Check that the cooktop works.

- Attach the sealing strip provided underneath the edge of the cooktop. Do not apply the sealing strip under tension.

 Risk of damage from incorrect connection.

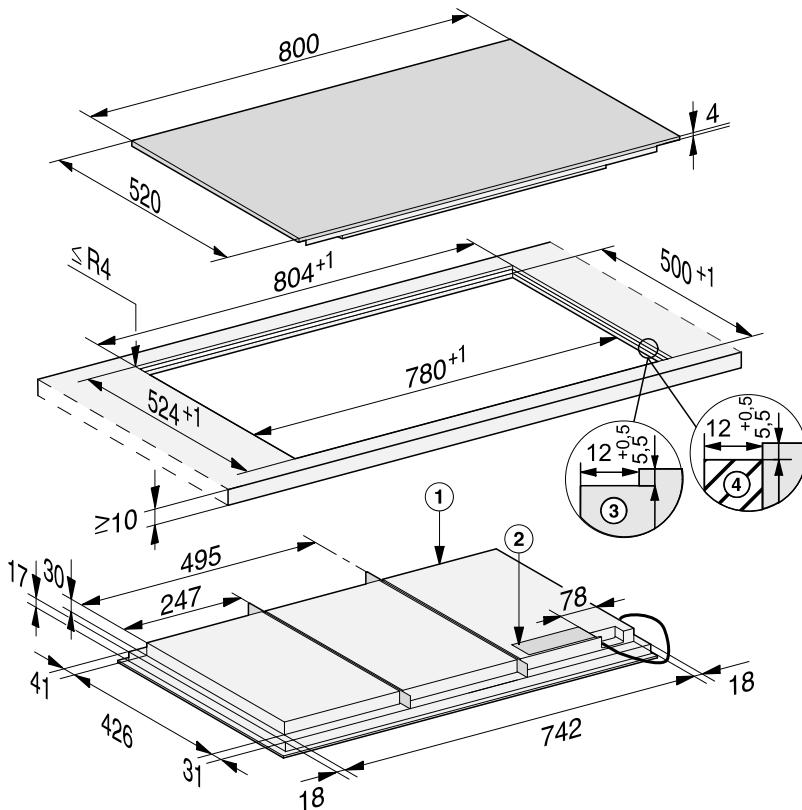
The electronics of the cooktop may be damaged if a short-circuit occurs. The mains connection cable must be connected to the cooktop by a qualified electrician.

- Connect the mains connection cable by following the instructions in the wiring diagram on the cooktop (see “Installation – Electrical connection”).
- Feed the mains connection cable down through the worktop cut-out.
- Place the cooktop centrally in the cut-out. When doing this make sure that the seal of the appliance sits flush with the worktop on all sides. This is important to ensure an effective seal with the worktop.

Installation dimensions – Flush

All dimensions in this instruction booklet are given in mm.

KM 7678 FL, KM 7878 FL



① Front

② Mains connection box

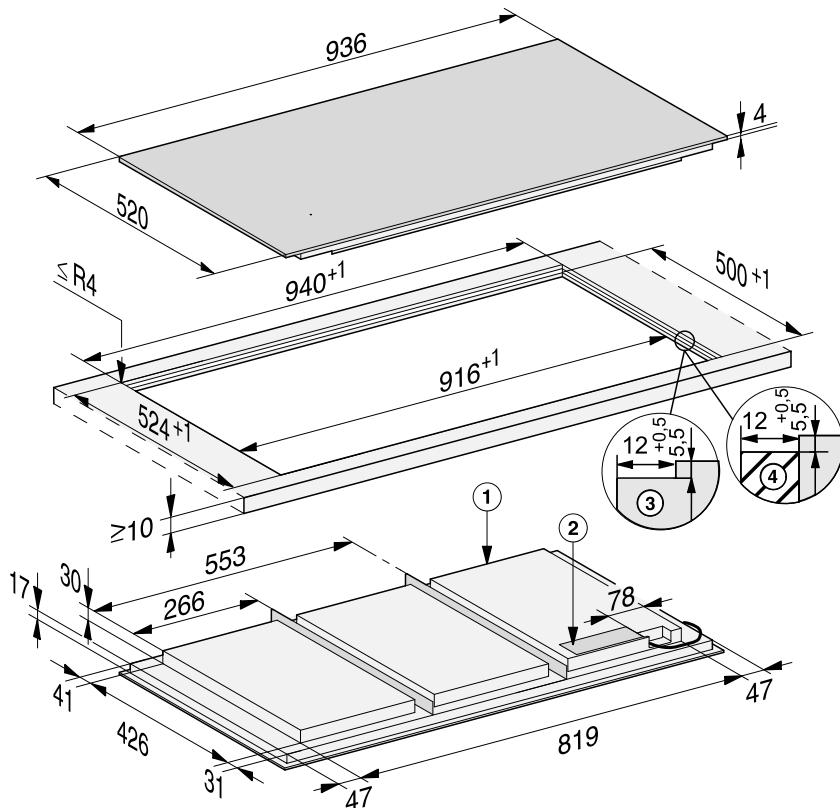
The mains connection cable ($L = 1,440$ mm) is supplied loose

③ Stepped cut-out, natural stone worktop

④ Wooden strip 12 mm (not supplied)

Installation

KM 7697 FL, KM 7897 FL



① Front

② Mains connection box

The mains connection cable ($L = 1,440$ mm) is supplied loose

③ Stepped cut-out, natural stone worktop

④ Wooden strip 12 mm (not supplied)

Installation

Flush-fit installation

- Create the worktop cut-out. Remember to maintain the minimum safety distances (see "Installation – Safety distances").
- Solid wood, tiled and glass worktops: Fix a wooden frame 5.5 mm below the top edge of the worktop.

 Risk of damage from incorrect connection.

The electronics of the cooktop may be damaged if a short-circuit occurs. The mains connection cable must be connected to the cooktop by a qualified electrician.

- Connect the mains connection cable by following the instructions in the wiring diagram on the cooktop (see "Installation – Electrical connection").
- Attach the sealing strip provided underneath the edge of the cooktop. Do not apply the sealing strip under tension.
- Feed the mains connection cable down through the worktop cut-out.
- Centre the cooktop in the cut-out.

The gap between the ceramic surface and the worktop must be at least 2 mm wide. This is required so that the cooktop can be sealed.

- Connect the cooktop to the electricity supply (see "Installation – Electrical connection").
- Check that the cooktop works.

- Seal the gap between the cooktop and worktop with a silicone sealant that is heat-resistant to at least 160 °C.

 Damage caused by unsuitable sealant.

Unsuitable sealant can damage natural stone.

For natural stone worktops and natural stone tiles, only use silicone sealant that is specially formulated for natural stone. Please follow the manufacturer's instructions.

Installation

Electrical connection

 Risk of damage from incorrect connection.

Incorrect installation, maintenance and repairs can be dangerous to users.

Miele cannot be held liable for damage or injury caused by incorrect or unauthorised installation, maintenance or repair work, or by an inadequate or faulty on-site earthing system (e.g. electric shock).

All electrical work must be carried out by a suitably qualified and competent electrician, in strict accordance with current national and local safety regulations, and any additional regulations of the local electricity provider.

After installation, ensure that all electrical components are shielded and cannot be accessed by users.

Total power output

See data plate.

Connection data

The connection data is quoted on the data plate. Please ensure this information matches the household mains supply.

Please see the wiring diagrams for connection.

Residual current device

For extra safety, it is advisable to protect the appliance with a suitable residual current device (RCD) with a trip range of 30 mA.

Disconnecting devices

Connection must be made via a suitable isolator switch which provides disconnection on all poles and which complies with national and local safety regulations. When switched off there must be an all-pole contact gap of at least 3 mm in the isolator switch. The isolator switch must be easily accessible after the appliance has been built in.

Mains connection cable

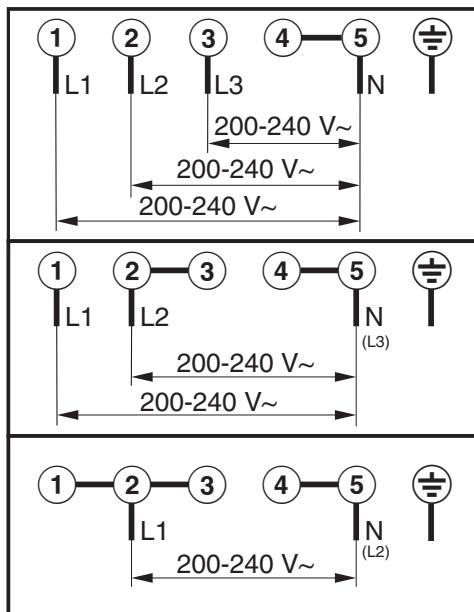
The cooktop must be connected to the electrical supply with a special connection cable, type H 05 VV-F (PVC insulated) with a suitable diameter.

Please see the wiring diagram for connection.

See the data plate on the cooktop for the correct voltage and frequency.

The connection cable comes supplied with a ferrite sleeve attached. This end must be fitted to the terminal box of the cooktop. If using a different connection cable, with the exception of the earth conductor, all other single conductors of the power cable must be fed through the opening of the ferrite sleeve before attaching them to the connection terminals.

Wiring diagram



Replacing the mains connection cable

 Danger of electric shock!

Incorrect connection to the electricity supply may result in an electric shock.

The mains connection cable must only be replaced in accordance with current local and national safety regulations.

When replacing the mains connection cable, it must be replaced with cable type H 05 VV-F by a Miele authorised service technician or a suitably qualified and competent electrician in order to avoid a hazard. These cables are available from Miele.