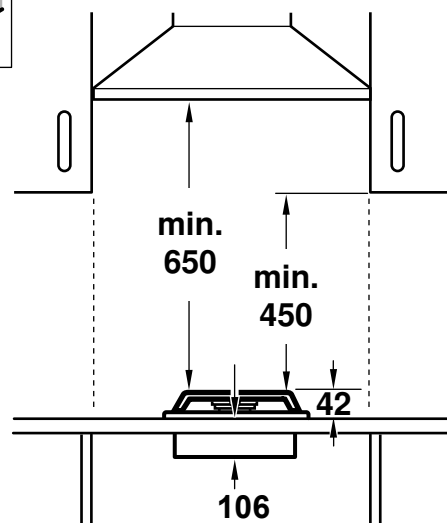
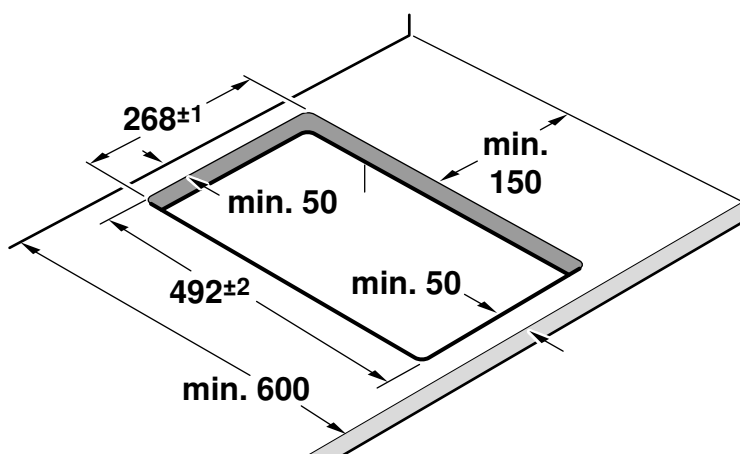
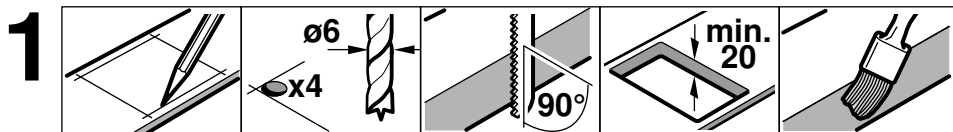
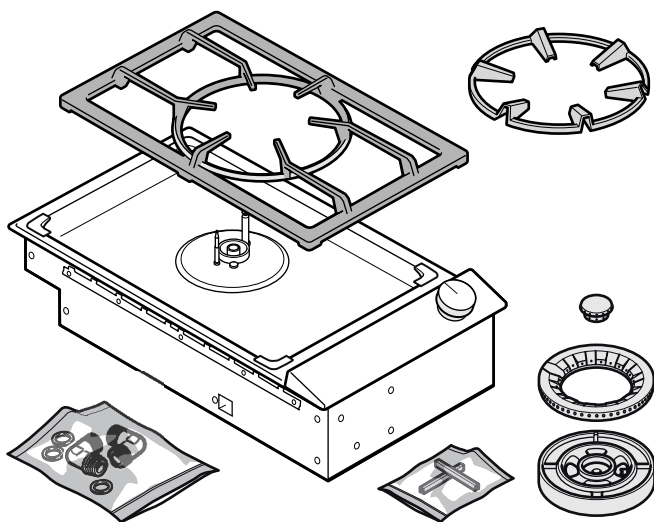
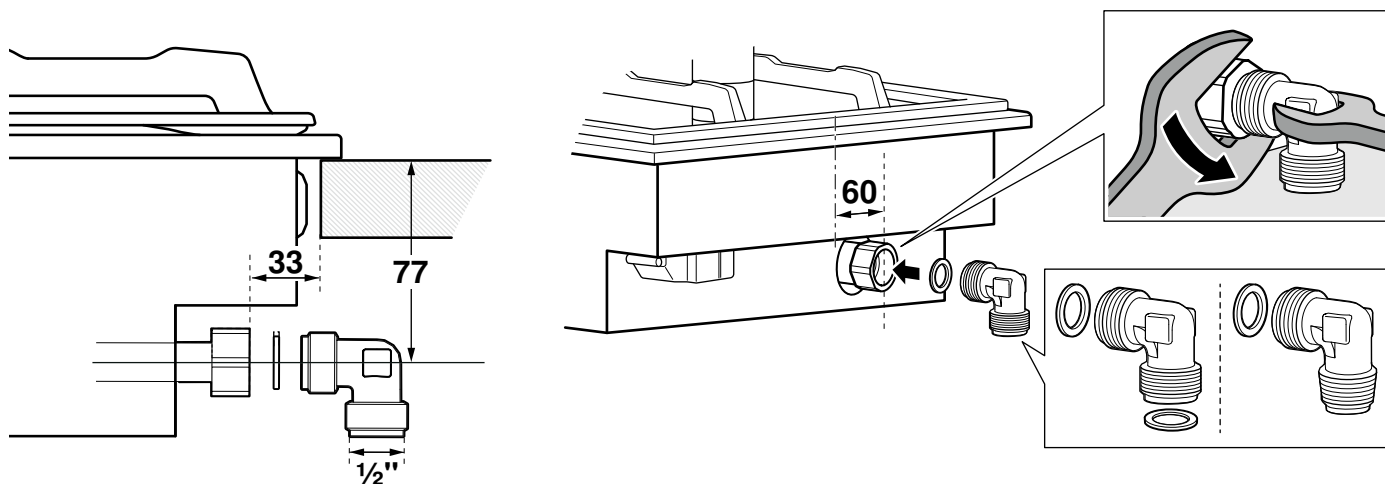
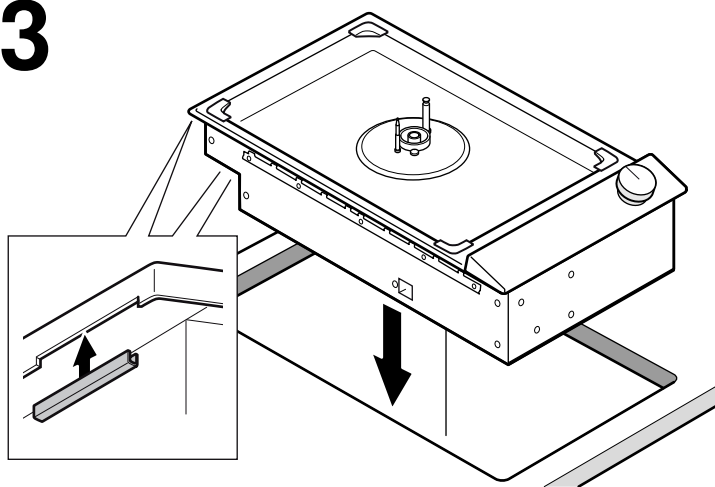




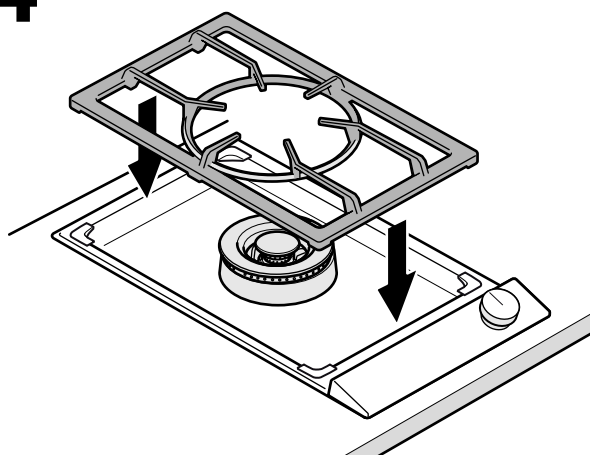
# 2



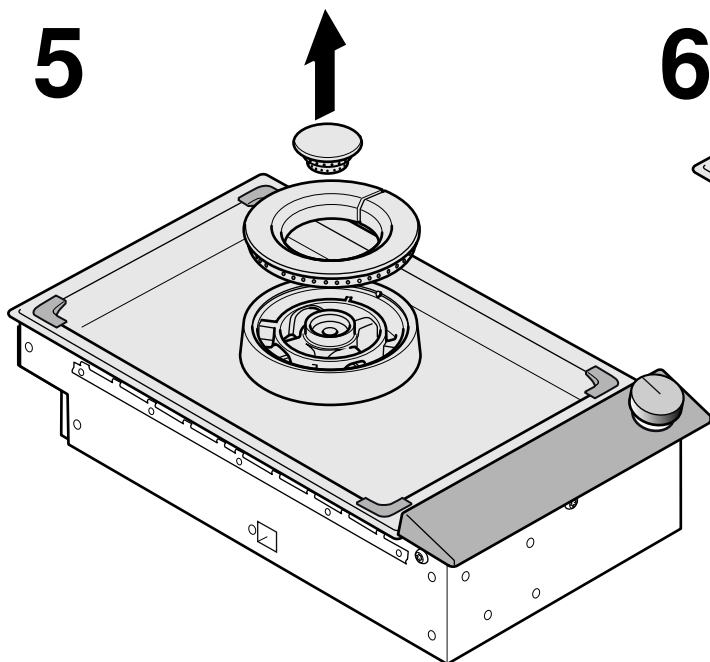
# 3



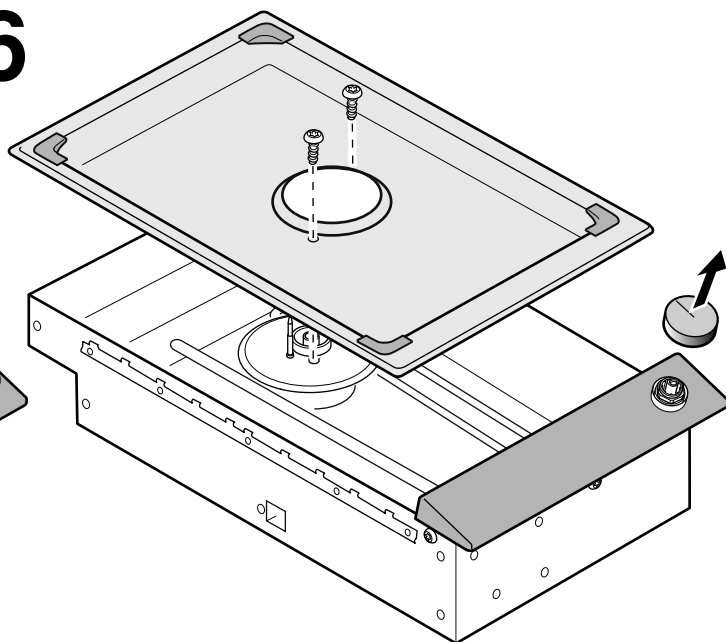
# 4



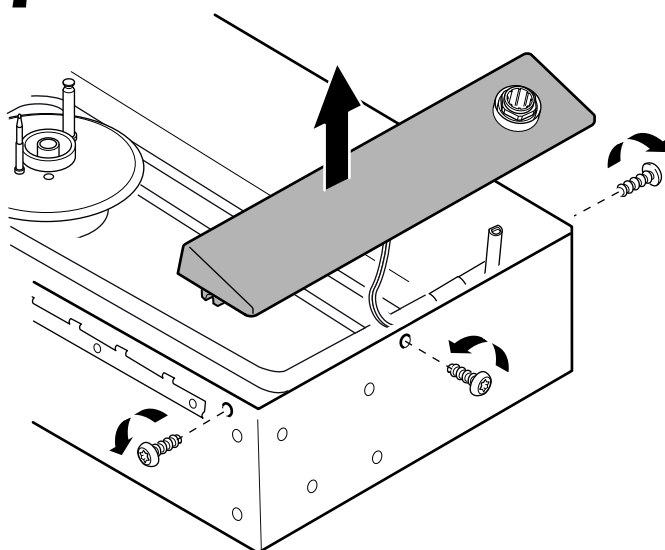
5



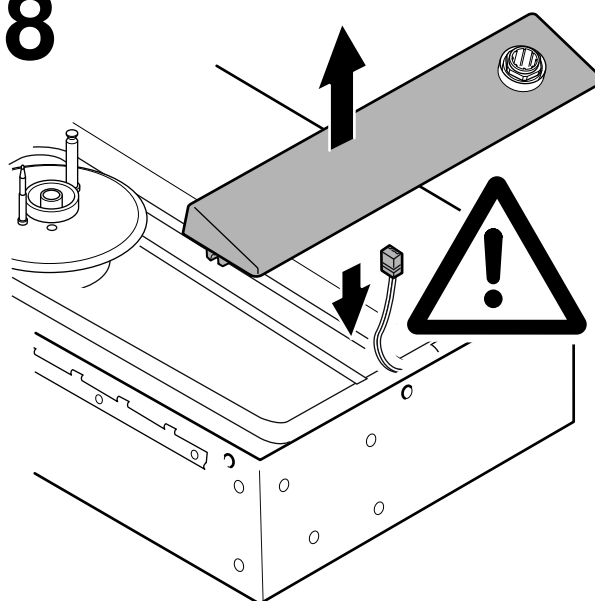
6



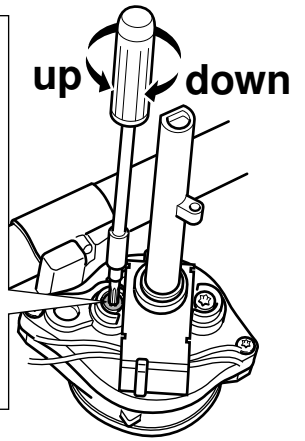
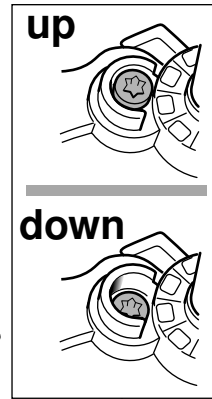
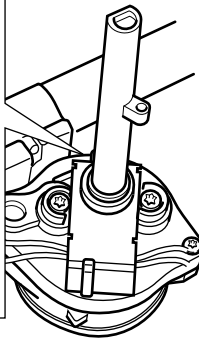
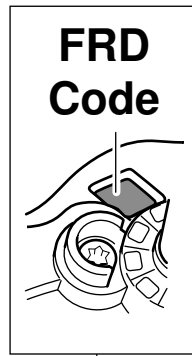
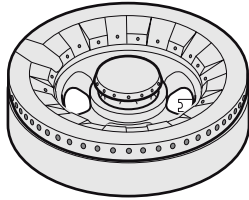
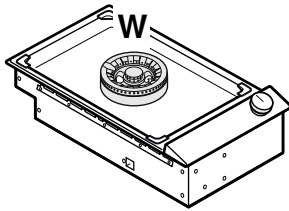
7



8



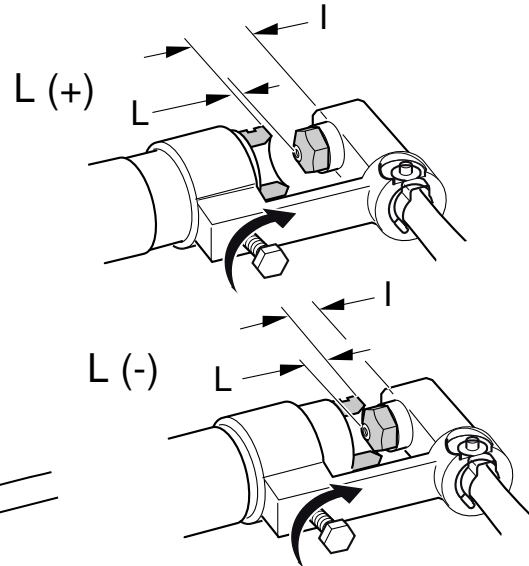
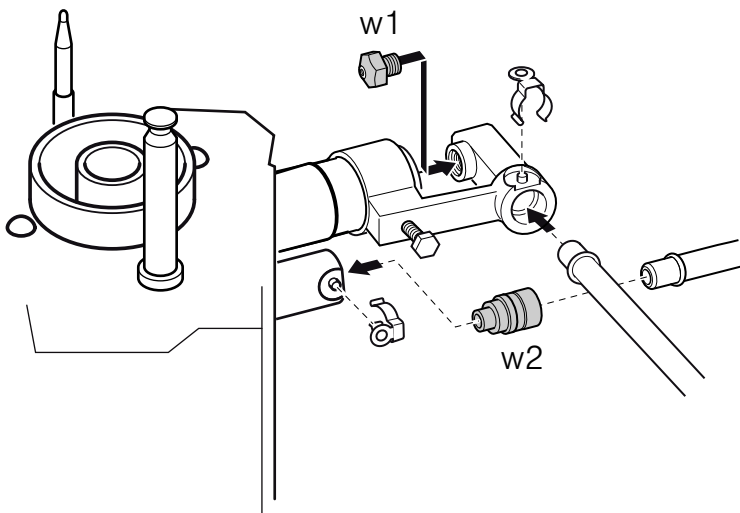
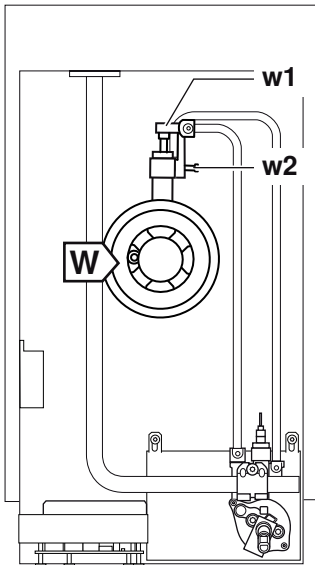
# 9



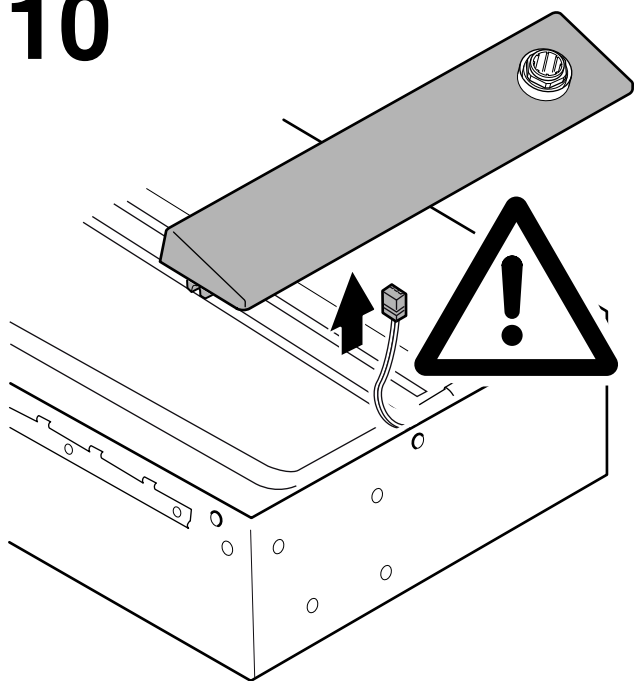
| <b>W</b>                         | <b>w1</b> | <b>w2</b> | <b>L</b> | <b>FRD-Code</b> | <b>M</b> | <b>Qn</b> | <b>g/h</b> |
|----------------------------------|-----------|-----------|----------|-----------------|----------|-----------|------------|
| <b>Town Gas (SG)<br/>10 mbar</b> | 360       | 97        | 2 mm     | MZ              | up       | 4.9 kW    | -          |
| <b>LPG (SG)<br/>29 mbar</b>      | 103A      | 40        | 2 mm     | MZ              | down     | 4.9 kW    | 356        |



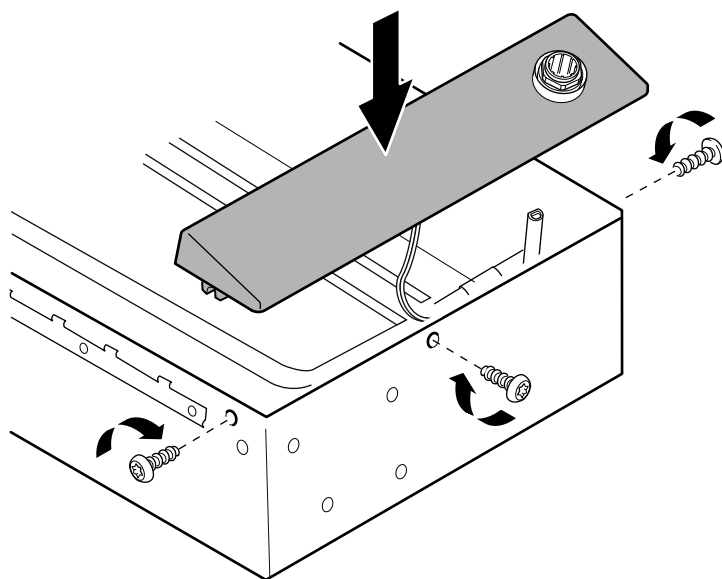
|          |    |    |    |
|----------|----|----|----|
| <b>L</b> | -1 | -2 | 6  |
| <b>I</b> | 9  | 8  | 16 |



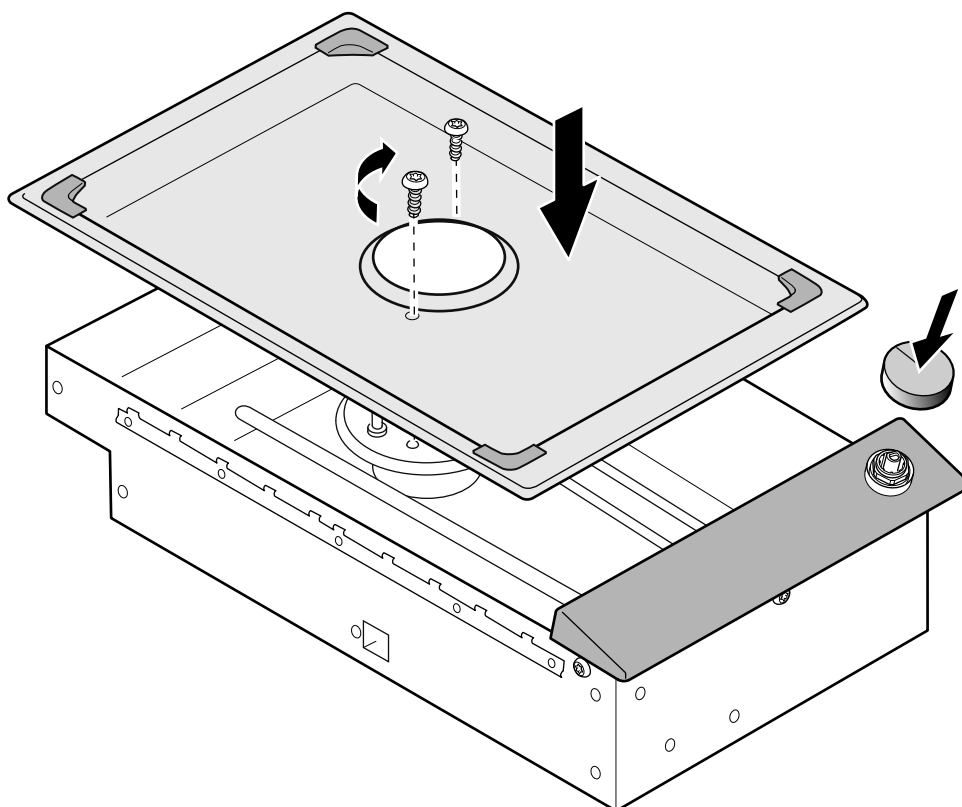
10



11



12



## Important notes

Read these instructions carefully and keep them in a safe place. Safety during use can only be ensured if the appliance is fitted correctly according to these installation instructions. The installer is responsible for ensuring that the appliance operates perfectly at the point of installation.

### ⚠ Risk of injury!

Parts that are accessible during installation may have sharp edges. Wear protective gloves.

The appliance must be connected to the mains only by a licensed and trained technician.

Before carrying out any type of work, turn off the electricity and gas supply.

For installation, currently applicable building regulations and the regulations of local electricity and gas suppliers must be observed.

For conversion to another type of gas, please call the after-sales service.

### ⚠ Risk of gas escape!

After connecting the appliance to the gas supply, always check the connection for leak tightness. The manufacturer accepts no responsibility for the escape of gas from a gas connection which has been previously tampered with.

### Ensure sufficient air exchange in the room where the appliance is installed. Up to 11 kW total output:

- Minimum volume of the room where appliance is installed: 20 m<sup>3</sup>
- A door leading to the open air or a window which can be opened.

### Up to 18 kW total output:

- Minimum volume of the room where appliance is installed: 2 m<sup>3</sup> per kW total output.
- A door leading to the open air or a window which can be opened.
- An extraction hood into the open air. Minimum displacement volume of extraction hood: 15 m<sup>3</sup>/h per kW total output.

### Caution!

This appliance is not connected to a flue. It must be connected and put into operation in accordance with the installation conditions. Do not connect the appliance to a flue gas outlet. All ventilation regulations must be observed.

The installation system must incorporate an all-pin isolating switch with a contact opening of at least 3 mm, or the appliance should be connected to the mains via a safety plug. The plug must remain accessible after installation is complete.

Specifications on the rating plate showing voltage, type of gas and gas pressure must agree with the local mains connection conditions.

Do not kink or trap the mains connection cable.

This appliance corresponds to appliance class 3 (for installation in a kitchen unit). It must be fitted according to the installation drawing. The wall behind the appliance must be made of non-flammable material.

This appliance is not intended for operation with an external timer or an external remote control.

Do not install this appliance on boats or in vehicles.

## Installation accessories

|            |                                                                                |
|------------|--------------------------------------------------------------------------------|
| VD 200 020 | Black appliance cover                                                          |
| VV 200 010 | Stainless steel connection strip for combining with other Vario 200 appliances |
| VV 200 020 | Black connection strip for combining with other Vario 200 appliances           |

Only use the accessories as specified. The manufacturer accepts no liability if these accessories are used incorrectly.

## Preparing the units (Fig. 1)

The kitchen unit must be heat-resistant to at least 90 °C (about 190 °F). The stability of the unit must be maintained after producing the cut-out.

Produce the cut-out in the worktop for one or more Vario appliances as shown in the installation sketch. The angle between the cut surface and the worktop must be 90°.

The cut edges at the sides must be more than 20 mm thick and even to ensure a good fit of the retaining springs on the appliance. In laminated worktops, it may be necessary to fit strips at the sides of the cut-out.

Remove shavings after cutting. Seal cut surfaces for resistance to heat and so they are watertight.

Pay attention to a minimum gap of 10 mm from the underside of the appliance to kitchen units.

Use suitable base constructions to ensure load-carrying capacity and stability, especially in the case of thin worktops. Pay attention to the weight of the appliance, including any payload.

Reinforcement material used must be resistant to heat and moisture.

To improve flame stability, we recommend installing an intermediate floor underneath the appliance in the installation cabinet.

**When fitting several Vario appliances:** allow for the additional space required for the connecting strip VV 200. Appliances can also be fitted in individual recesses, if a minimum clearance of 40 mm between the appliances is observed.

## Fitting the appliance

1. Secure the appliance cover VD 200 020 (special accessory to be ordered separately) on the appliance before installation.
2. If the appliance is not being covered, seal the openings on the back of the appliance using the cover caps supplied.
3. Insert the appliance evenly into the cut-out. Push it down firmly into the cut-out.

**Note:** The appliance must sit fast in the cut-out and must not be able to move around (e.g. during cleaning). If the width of the cut-out is at the upper tolerance limit, secure batten to the sides of the cut-out if necessary.

## Removing the appliance

Disconnect the appliance from the power and the gas supply. Push out the appliance from below.

### Caution!

Risk of damage! Do not lever out the appliance from above.

## Gas connection

The gas connection must be arranged in such a way that the shut-off valve is accessible.

The appliance comes with two connection elbows (appliance-side G<sup>1</sup>/<sub>2</sub>"). Select the suitable version depending on the country:

- ISO 228 G 1/2 cylindrical
- EN 10226 R 1/2 conical

Use one of the supplied connection elbows and the corresponding seal to connect the appliance to a fixed connecting cable or a gas safety hose.

If the gas safety hose is not made of metal or is only partially made of metal, the ambient temperature must not exceed 90 °C. If the gas safety hose is made of metal, the permissible ambient temperature is 115 °C.

Route the gas safety hose in such a way that it does not come into contact with the moving parts of the fitted units (e.g. drawer).

## Electrical connection

Check the household wiring before connecting the appliance. Ensure that there is sufficient fuse protection for the household wiring. The voltage and frequency of the appliance must match the electrical wiring (see rating plate).

The appliance corresponds to protection class I and must only be operated with a protective earth connection.

The wiring must have an all-pole isolating switch with a contact gap of at least 3 mm, or the appliance must be connected via an earthed plug. This must still be accessible once the appliance has been installed.

We recommend installing a socket equipped with protective-earth contacts behind the appliance, approximately 70 cm above the floor, in accordance with regulations.

Only a qualified electrician may install a socket, taking the appropriate regulations into account.

The appliance must only be connected using the power cable provided.

Do not kink or trap the connection cable, or route it over hot surfaces.

This is a type X appliance: If the power cable of this appliance becomes damaged, it must be replaced with a special connection cable which is available from the manufacturer or the manufacturer's after-sales service.

## Technical data

Total connected load VG231320HK:  
4.9 kW (Town Gas) / 4.9 kW (LPG)

Total consumption: 1.1 m<sup>3</sup>/h (Town Gas) / 356 g/h (LPG)

Electric 10.0 W

## Changing the gas type

The appliance must only be converted to a different type of gas by a licensed expert.

Switch off the power supply and shut off the gas supply before carrying out conversion.

The gas hob belongs to the categories stated on the rating plate. The appliance can be converted to any other type of gas listed there using a conversion kit.

The gas type is changed by:

- Replacing the main nozzles
- Adjusting the gas valves (bypass screws)

The table shows the right combination for the relevant gas type.

Never remove the gas valve shaft. In the event of damage or unusual gas conversion, the entire gas valve must be replaced. Call the after-sales service.

### Replacing the main nozzles

1. Remove the pan support and all burner parts.
2. Undo the cooktop fastening screws on the burner (two screws) and carefully lift the cooktop up and off.
3. Remove the control knobs.
4. Loosen the securing screws on the control panel. Remove the control panel and disconnect the connection cable on the back of the control panel.
5. Remove the securing clips from the burner pipes. Pull out the burner pipes. Unscrew the screw on the air regulating sleeve. Remove the nozzle retaining head.
6. Pull off the nozzle and O-ring for the inner burner ring by hand. Unscrew the nozzle for the outer burner ring (WAF 10).
7. Check that the O-ring is seated correctly in the new main nozzle for the burner inner ring. Fit the nozzle onto the burner pipe. Screw the new main nozzle for the outer burner ring as far as it will go into the nozzle retaining head.
8. Fit the nozzle retaining head and burner pipes. Fit the securing clips.
9. Loosen the screw and then adjust the air regulating sleeve to the correct setting (see nozzle table). Retighten the screw.

### Adjusting the gas valves

#### ⚠ Risk of damage!

Do not over-tighten the bypass screws.

If necessary, adjust the bypass screws **M** using a Torx screwdriver (see table):

#### up

: The bypass screws must be flush with the top edge of the frame.

#### down

: The bypass screws must be screwed in fully.

### Assembly

1. Connect the connection cable on the back of the control panel. Put the control panel in place and screw it in evenly.
2. Attach the control knobs.
3. Put the cooktop in place and tighten the screws.
4. Put the burner parts and pan support in place, making sure they are positioned correctly.

#### Check that the appliance is working after conversion:

Yellow tips must not be visible on the flames. When turning the control knob quickly between the highest and the lowest setting, the burner must not go out and flashback must not occur.

**Note:** Attach the sticker showing the new gas type next to the rating plate on the appliance.

