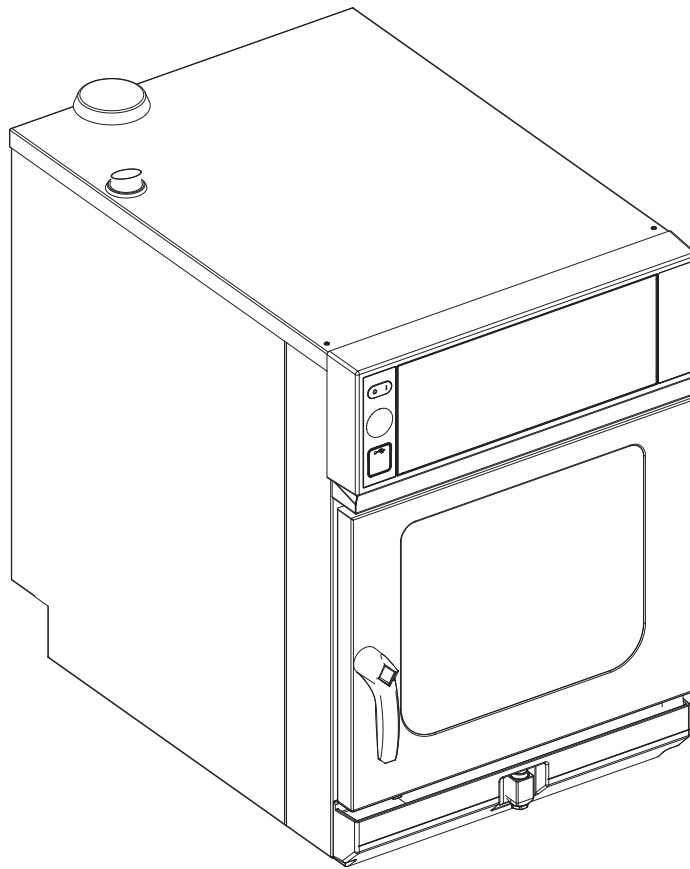




Read the operating instructions prior to commissioning

Installation instructions

Combisteamer



Translation from the original document • 1000008110AINDED • 12/05/2023

Unit	Energy type	Type of unit	Model
SpaceCombi Classic	Electric	Countertop unit	SKECOD610CG2
		Built-in unit	

1000008110AINBED

en-GB

Manufacturer

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1 Introduction

1.1 About this manual

The instruction manual is part of the unit and contains information on safe installation of the unit.

Observe and adhere to the following instructions:

- Read the instruction manual in its entirety prior to installation.
- Make the instruction manual available to the installer at the operating site at all times.
- Preserve the installation manual throughout the service life of the unit.
- Insert any supplements from the manufacturer.
- Pass on the installation manual to any subsequent operator of the unit.

Target group The target group for the installation manual is trained technical personnel that is familiar with installing and operating the unit.

Figures All figures in this manual are intended as examples. Discrepancies between these and the actual unit can arise.

1.1.1 Explanation of signs



DANGER
Imminent threat of danger

Failure to comply will lead to death or very severe injuries.



WARNING
Possible threat of danger

Failure to comply can lead to death or very severe injuries.



CAUTION
Dangerous situation

Failure to comply can lead to slight or moderately severe injuries.

ATTENTION
Physical damage

Failure to comply can cause physical damage.



Notes for better understanding and operation of the unit.

Symbol / sign	Meaning
•	Listing of information.
→	Action steps, which can be performed in any sequence.
1. 2.	Action steps, which must be performed in the specified sequence.
↳	Result of an action performed or additional information about it.

1.2 Staff qualification

Explanation of qualification

Skilled staff	<ul style="list-style-type: none"> • Skilled staff are those, who due to their professional training, knowledge and experience as well as their knowledge of the relevant standards can assess the tasks given to them and recognize any possible dangers.
---------------	---

Type of activity	Qualification
Power connection	<ul style="list-style-type: none"> • Electrician • Specific professional training • Employee of the specialist company concerned
Water connection	<ul style="list-style-type: none"> • Plumber • Specific professional training • Employee of the specialist company concerned
Wastewater connection	<ul style="list-style-type: none"> • Wastewater specialist • Specific professional training • Employee of the specialist company concerned

1.3 Use of the unit

This unit is intended to be used solely for commercial purposes, particularly in commercial kitchens.

The use of the unit is prohibited in the following countries:

- USA
- Canada

1.4 Warranty

The warranty is void and safety is no longer assured in the event of:

- Improper conversion or technical modifications of the unit,
- Improper use,
- Incorrect startup, operation or maintenance of the unit,
- Problems resulting from failure to observe these instructions.

2 Safety information

The unit complies with applicable safety standards. Residual risks associated with operation or risks resulting from incorrect operation cannot be ruled out and are mentioned specifically in the safety instructions and warnings.

The installer must be familiar with regional regulations and observe them.

The installer must observe the safety instructions in these mounting instructions and in the "Safety information" chapter of the operating instructions.

Ensuring conformity with standards Observe applicable international, European and national laws, regulations, standards and directives for the unit when transporting, setting up and connecting it.

Improper installation Risk of property damage and personal injury from improper installation

- Install the unit only as specified in these installation instructions.
- Do not add anything to the unit or modify the unit.
- Use only original spare parts.

Transportation and storage Risk of personal injury and property damage from improper transportation and improper storage

- Store the unit in a dry, frost-free environment.
- Observe the safety regulations for the lifting gear used.
- Attach the unit to the lifting gear securely during transport and setup, and prevent it from dropping.
- Transport the unit in an upright position, do not tilt or stack.
- Pay attention to protruding parts when transporting the unit without packaging.

Fire prevention Risk of fire from combustible surfaces

- Observe general fire prevention regulations.

Organisational measures Risk of property damage and personal injury from lack of organizational measures

- Identify hazard areas when transporting, setting up and connecting the unit.
- Prior to starting the installation work, notify any operators present about the procedure.
- Prior to starting the installation work, discuss how to behave in an emergency.
- Use equipment and protective gear suitable for the activity.
- Brace housing components to prevent them from falling over and dropping.

Setup Risk of property damage and personal injury from improper setup

- Wear safety shoes and protective gloves.

Electrical connection Risk of fire from improper connection

- Observe applicable regional regulations of the electrical utility.
- Ensure that only electricians licensed by the electric utility connect the unit.
- Ensure that the electrical system is earthed by a protective earthing conductor.
- Note the information on the nameplate.

Risk of electric shock from live components.

- Prior to working on the electrical system, switch off the unit, disconnect the electrical system from the mains and prevent power from being switched on again. Check to ensure absence of voltage.
- Use only insulated tools.

Unit on casters Risk of a line breaking if subjected to high tensile load

- Secure the unit to the building with a chain for strain relief on the connection lines, so that there is no stress on the connection lines, if the unit moves. The strain relief must be designed for a tensile load of at least 0.6 kN.

Commissioning Risk of property damage and personal injury from improper commissioning

- Read the operating instructions prior to commissioning. Observe the safety instructions in this installation manual and in the "Safety information" chapter of the operating instructions.
- Put the unit into service only after a successful function test following assembly.
- Put the unit into service only after it has reached room temperature.
- Observe the units during operation.

3 Description of the unit

3.1 Overview of the unit

3.1.1 Countertop unit

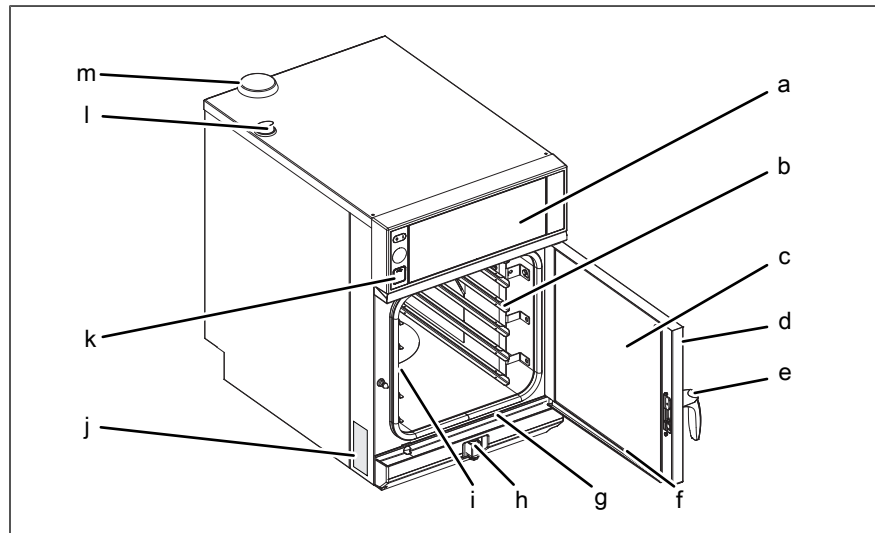


Image: Countertop unit

- | | |
|-----------------------|-------------------------------------|
| a Control unit | h Hand shower (optional) |
| b Support rack | i Core temperature sensor (covered) |
| c Insulated window | j Nameplate |
| d Cooking zone door | k USB port |
| e Door handle | l Steam outlet |
| f Drain channel, door | m Air inlet |
| g Drain channel, unit | |

3.1.2 Built-in unit

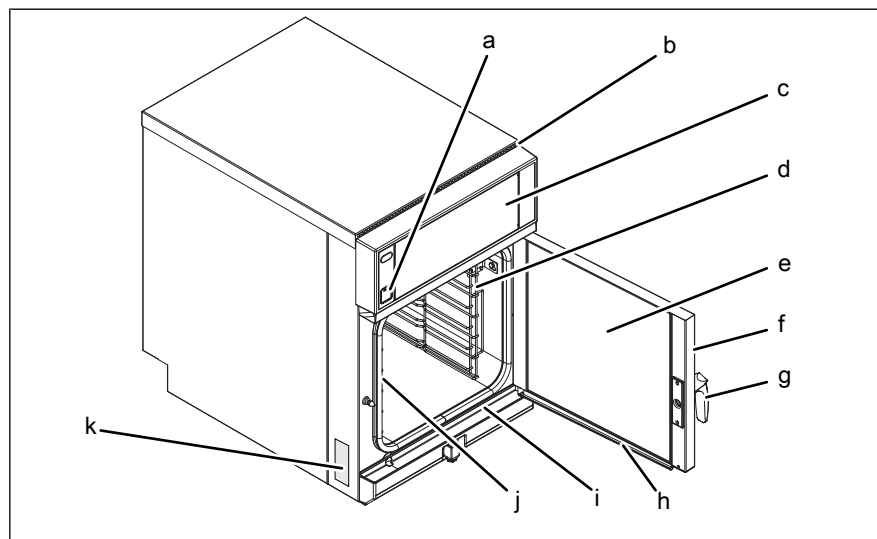


Image: Built-in unit

- | | |
|----------------------|-------------------------------------|
| a USB port | g Door handle |
| b Ventilation grille | h Drain channel, door |
| c Control unit | i Drain channel, unit |
| d Support rack | j Core temperature sensor (covered) |
| e Insulated window | k Nameplate |
| f Cooking zone door | |

3.2 Equipment and connection data



- All voltages listed below are technically available.
- For some voltages, however, the implementation must be agreed with the manufacturer.
- The voltage for which the device is designed is indicated on the nameplate.

Size	610
Dimensions	
Unit Length x width x height (mm)	787 x 550 x 784
Built-in unit Length x width x height (mm)	788 x 550 x 800
Weight	
Unit ≈(kg)	68
Emissions	
Sound level (db(A))	< 65
Steam output (g/h)	2070
Steam output (m ³ /h)	3,5
Latent heat (W)	1404
Sensible heat (W)	936

Description of the unit

Size	610
With HoodIn	
Steam output (g/h)	620
Steam output (m ³ /h)	1,1
Latent heat (W)	421
Sensible heat (W)	936
With MagicHood	
Steam output (g/h)	620
Steam output (m ³ /h)	1,1
Latent heat (W)	421
Sensible heat (W)	936
The sensible and latent heat amounts are determined in Germany on the basis of VDI 2052 at a connection voltage of 400 V. Regulations applying in other regions may vary from this.	
Operating environment	
Temperature (°C)	5 — 40
Relative humidity (%) non-condensing	95
Cooking chamber light	
Illuminant	LED module 406 mmX 12 mm
Energy efficiency class	A++
Power connection	
Protection class	IPX5
Type of connection	3PE AC 50/60Hz, 3NPE AC 50/60Hz
Voltage (V)	200
Connected load (kW)	7
Fuse (A)	25
Voltage (V)	208
Connected load (kW)	7.4
Fuse (A)	25
Voltage (V)	220
Connected load (kW)	8.4
Fuse (A)	25
Voltage (V)	230
Connected load (kW)	9.1
Fuse (A)	25
Voltage (V)	240
Connected load (kW)	9.8
Fuse (A)	25

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Size	610
Voltage (V)	380
Connected load (kW)	7.4
Fuse (A)	16
Connected load (kW)	10.1
Fuse (A)	16
Voltage (V)	400
Connected load (kW)	7.8
Fuse (A)	16
Connected load (kW)	11.2
Fuse (A)	20
Voltage (V)	415
Connected load (kW)	8.1
Fuse (A)	16
Connected load (kW)	12
Fuse (A)	20
Voltage (V)	440
Connected load (kW)	7.9
Fuse (A)	16
Type of connection	2PE AC 50/60Hz
Voltage (V)	208
Connected load (kW)	5.3
Fuse (A)	35
Voltage (V)	240
Connected load (kW)	6.9
Fuse (A)	35
Type of connection	1NPE AC 50/60Hz
Voltage (V)	220
Connected load (kW)	5.8
Fuse (A)	35
Voltage (V)	230
Connected load (kW)	6.4
Fuse (A)	35
Voltage (V)	240
Connected load (kW)	6.9
Fuse (A)	35

Description of the unit

Size	610
Softened tap water connection	
Water type	Softened tap water, cold
Residual hardness CaCO ₃ (mmol/l (°dH))	< 1 (5,6)
Chloride Cl (mg/l)	< 100
Iron Fe (mg/l)	< 0.2
Connection pressure (kPa (bar))	200 (2) — 600 (6)
Connection (")	R 3/4 male thread
Tap water connection	
Water type	Tap water, cold
Carbonate hardness CaCO ₃ (mmol/l (°dH))	< 4 (22,2)
Connection pressure (kPa (bar))	200 (2) — 600 (6)
Connection (")	R 3/4 male thread
Water consumption, steaming	
Softened tap water (l/h)	10
Water consumption, combisteaming	
Softened tap water (l/h)	2,2
Water consumption, WaveClean cleaning program	
Softened tap water (l)	1,3
Tap water (l)	17,7
Wastewater connection	
Wastewater type	Dirty water
Maximum length (m)	1 with a drop of at least 5% or 3°
Temperature resistance (°C)	95
Connection (mm)	40
Maximum volume flow (l/min)	10

Floor fastening

Mandatory for the following types of unit	
SKECOD610G2	Only in conjunction with base frame including MagicHood

Basic control setting

Basic setting	Parameters	Standard value	Adjustment range	Explanation
Actual voltage	14	400	100 — 500 V	Set the local, mean voltage between the line conductors.
Altitude	2	0	0 = 0 — 999 m	Request the altitude above sea level from the closest weather station. If the altitude is unknown, set 0 — 999 m.
			1 = 1000 m — 1999 m	
			2 = 2000 m — 2499 m	
			3 = 2500 m or higher	
Volume of audible signal	33	0	0 = Quiet	Setting the volume
			1 = Loud	
Unit of temperature	1	0	0 = °C	Celsius (°C)
			1 = °F	Fahrenheit (°F)
Unit of volume	34	0	0 = ml	Millilitre (ml)
			1 = fl.oz	Fluid ounce (fl.oz.)
	35	0	0 = Imperial (fl.oz.)	Imperial fluid ounce
			1 = U.S. (fl.oz.)	U.S. fluid ounce
80 % power	3	0	1 = 80 %	Power can be limited to 80 % (for special applications).
			0 = 100 %	
Power optimisation system (LOA)	42	0	1 = On	If a power optimisation system is connected, "On" must be selected for the unit to heat.
			0 = Off	

Description of the unit

Basic control setting (Advanced)

Basic setting	Parameters	Standard value	Adjustment range	Explanation
Time extension for condensation hood	5	60	0 – 600 s	Time extension for the condensation hood, after the cooking zone door has been opened
Generator operation	45	0	0 = No 1 = Yes	If a generator is used to supply electricity
HoodIn (Vapour elimination)	48	1	0 = Lower water consumption, large amount of steam in the unit when the cooking chamber door is opened 1 = Normal 2 = Higher water consumption, greatly reduced amount of steam in the unit when the cooking chamber door is opened	Setting of the strength of the vapour elimination level . Depending on the setting, cooking method and cooking product, water consumption may be increased.
Duration of audible signal	6	20	0 = Signal off 1 — 180 s	Duration of the audible signal

4 Transporting the unit



CAUTION

Risk of property damage and personnel injury from tipping equipment

- Do not linger next to or behind raised equipment.
- Move raised equipment carefully.

ATTENTION

Risk of physical damage from improper transport

- Transport the unit upright.
- Do not tilt or stack the unit.
- Pay attention to protruding parts when transporting the unpacked unit.

Prior to transporting the unit to the installation site, ensure that:

- The roadway has adequate load-bearing capacity.
- Wall openings are large enough.

4.1 Transporting the unit to the installation site

→ Use suitable transport means to move the unit to the installation site.

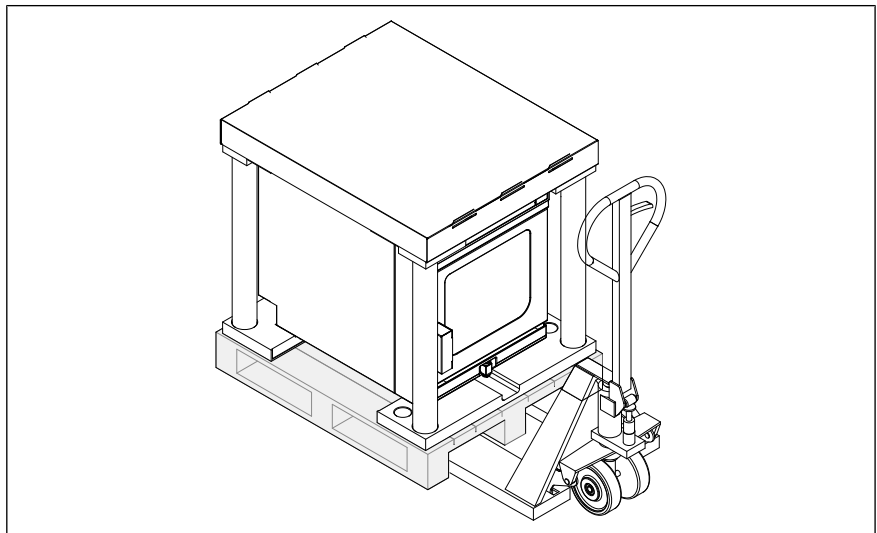


Image: Lengthwise and crosswise transport on pallet

4.2 Unpacking the unit



CAUTION
Risk of injury from sharp edges

- Wear protective gloves.



When unpacking the unit, inspect it for transport damage.
Do not install damaged units or put into service.

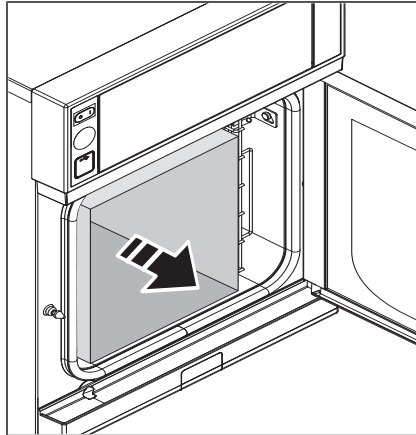


Image: Unpacking the unit

1. Remove the packaging.
2. Pull the protective film off the unit.
3. Remove the packaging material from the cooking zone completely.
4. Clean the unit (See Operating instructions).
5. Enter the information from the nameplate into the Commissioning report.
6. Enter the information from the nameplate into the Operating instructions.

5 Setting up the unit

**CAUTION****Risk of crushing from improper setup**

- Protect the unit and work area during setup and alignment.

**CAUTION****Risk of fire from failure to observe applicable regional fire prevention regulations**

- Observe applicable regional fire prevention regulations.

ATTENTION**Risk of physical damage from overheating of the unit**

- Do not set up the unit close to heat sources.

ATTENTION**Property damage caused by overturning equipment during extreme heeling of a vessel.**

When installing on ships, it must be ensured that the device cannot slip or tip due to the movements of the ship.

The different operating conditions of each ship must be taken into account.

If necessary, the device must be additionally fixed to the wall or ceiling.

Planning drawing

The planning drawing and additional documents are available on the manufacturer's Internet page by entering the equipment number (see Impressum).

5.1 Minimum clearances

The following clearances from walls, ceilings or other equipment must be maintained when installing the unit:

- Left, right and rear at least 50 mm.

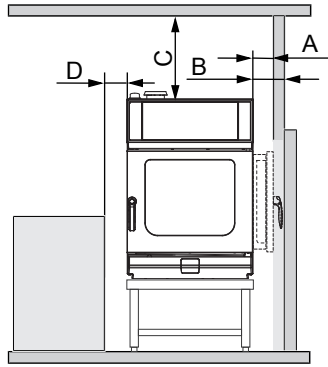


Image: Minimum clearances to walls, ceiling or units

A	B	C *	D
50	100	---	50
All dimensions in mm			
* Depending on the kitchen ventilation system and the material composition of the ceiling			

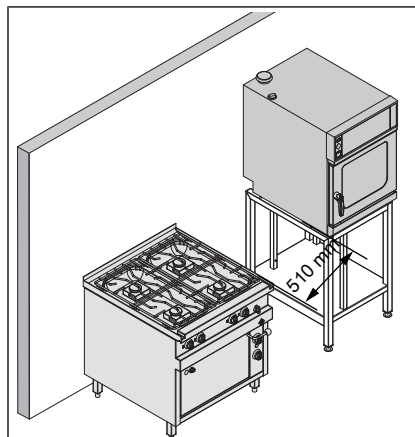


Image: Minimum distance to devices with high heat radiation

ATTENTION

Material damage to the device control due to excessive ambient temperatures

Minimum distance to devices with large heat radiation 510 mm.

These include, for example:

- Gas stoves
- Gas griddle plates
- Grills
- Deep fryers

5.2 Setting up the unit on a work surface or base frame



CAUTION

Danger due to heavy weight of the unit (over 60 kg)

- Erect the unit with several people.
- Raise / lower the unit with suitable lifting equipment.

Requirement Work surface/base frame must bear the weight of the unit
 Work surface/base frame is level
 Base frame is set up in accordance with the planning drawing

1. Lift the unit.
2. Place the unit on the work surface or on the stud bolts of the base frame.

5.2.1 Attaching the shelf height warning sign



CAUTION

Risk of scalding due to spillage of hot cooked food

- Attach sticker if the upper slide-in rails are higher than 1,6 m.

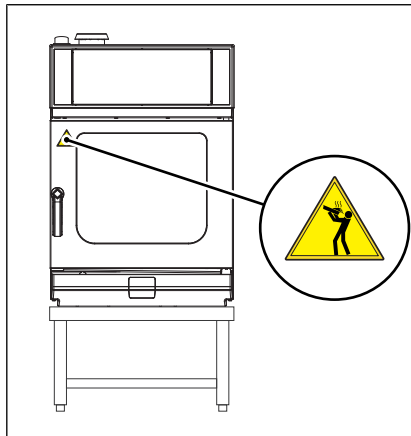


Image: Attaching the shelf height warning sign

1. Clean the adhesive surface for the sticker.
2. Attach the sticker to the cooking zone door at a height of 1,6 m.

5.2.2 Installing the support rack

Depending on the version, the base frame can be equipped with a support rack.

The support rack is used to hold containers, metal trays and grates.

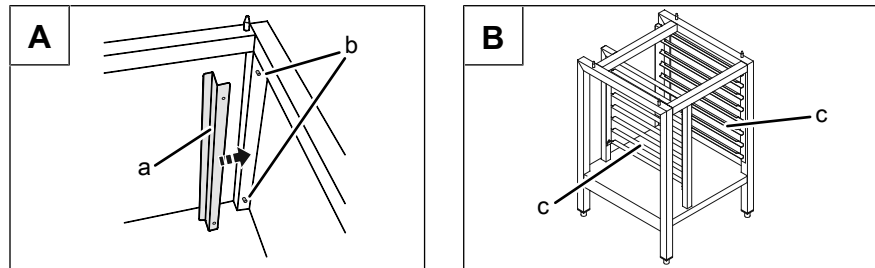


Image: A Stop profile, B Support rack

a Stop profile
b Pin

c Support rack

Requirement Pins installed in the uprights of the base frame

1. Place the stop profiles on the pins (at the back).
2. Install the support racks.

5.3 Fastening the unit to the floor

5.3.1 Securing the unit against tilting



WARNING

Risk of accidents from inadequate fastening

The unit may tip over

- The unit must be fastened to the floor by suitable methods depending on the type of unit.
- Observe the requirements for the condition of the floor.
- Observe the requirements for the type of fastening.
- Note the instructions from the manufacturer of the fastenings.

Depending on the size, it is mandatory that certain types of Combisteamers are secured against tilting, and this also applies to Combisteamers in conjunction with a stacking kit, air recirculation hood, base frame or base cabinet.

Types of units, which must be secured against tilting (see "Unit and connection data").

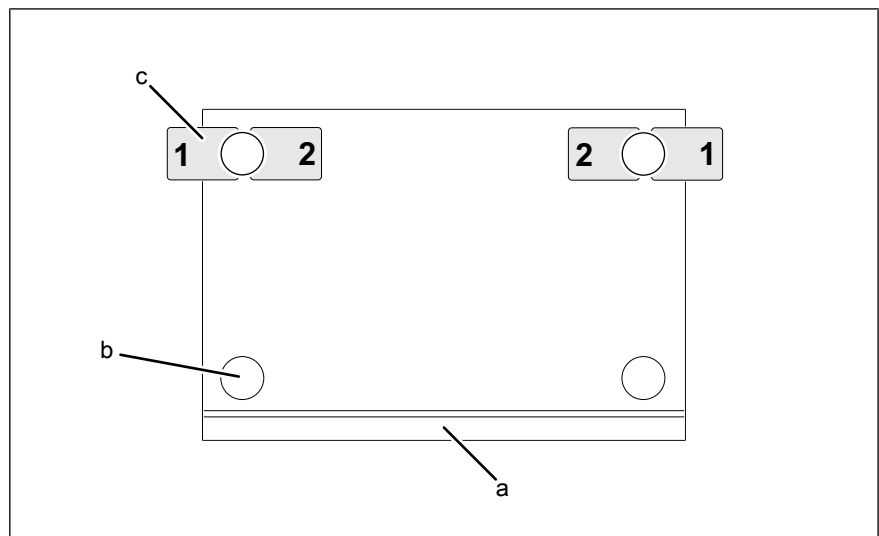


Image: Arrangement of the base plates (view from above)

- | | | | |
|---|-----------------------------|---|-------------|
| a | Cooking zone door | c | Base plates |
| b | Equipment leg or base frame | | |

A special fastening set, which secures the unit against tilting, is supplied by the manufacturer or is available as an accessory.

The fastening set comprises two floor fastenings and all the necessary components for screwing or bonding them to the floor.

The unit or base frame is fastened with two floor fastenings as shown in the drawing.

Floor without steam barrier

In the case of floors without a steam barrier, the floor plates are screwed to the floor with the enclosed screws.

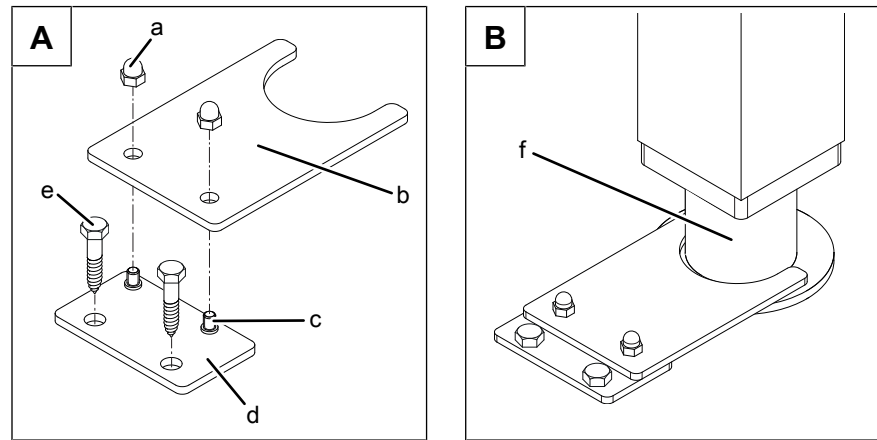


Image: A: Position of the floor plate; B: Floor plate screwed to the floor

- | | | | |
|---|---------------|---|---------------|
| a | Cap nut | d | Floor plate |
| b | Holding plate | e | Wood screw |
| c | Stud bolt | f | Equipment leg |

Requirement The floor must be capable of taking the weight of the unit
The floor must be clean and suitable for the type of fastening
The unit is set up and levelled in accordance with the planning drawing

1. Insert the base plate of the fastening set into the holding plate in accordance with the drawing.
2. Screw the cap nuts on hand-tight.
3. Align the floor fastening in accordance with the drawing in position 1-1 or 2-2 on the equipment leg or base frame and then mark the fastening holes on the floor.
4. Mark the position of all the equipment legs or base frame on the floor.
5. Using suitable lifting equipment, move the unit away until the drill holes can be made in the floor.
6. Drill the holes in the diameter of the dowel sufficiently deep into the floor.
7. Carefully move the unit to the installation position.
8. Unscrew the cap nuts and remove the holding plate from the base plate.
9. Screw the base plate to the floor using the enclosed dowels and fastening screws.
10. Ensure that, after the fastening screws have been inserted, the floor seal is restored again.
11. Put the holding plate onto the base plate and fasten it with the cap nuts.
12. Fill out the Commissioning report.

Floor with steam barrier

In the case of floors with a steam barrier, the floor plates are not screwed to the floor but glued with the enclosed adhesive.

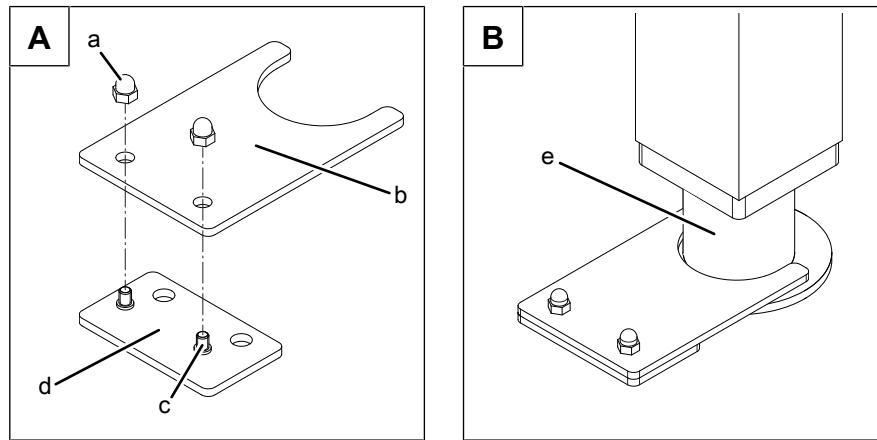


Image: A: Position of the floor plate; B: Floor plate glued to the floor

- | | | | |
|---|---------------|---|---------------|
| a | Cap nut | d | Floor plate |
| b | Holding plate | e | Equipment leg |
| c | Stud bolt | | |

Requirement The floor must be capable of taking the weight of the unit
 The floor must be clean and suitable for the type of fastening
 The unit is set up and levelled in accordance with the planning drawing

1. Insert the base plate of the fastening set into the holding plate in accordance with the drawing.
2. Screw the cap nuts on hand-tight.
3. Align the floor fastening in accordance with the drawing in position 1-1 or 2-2 on the equipment leg or base frame and then mark it on the floor.
4. Unscrew the cap nuts and remove the holding plate from the base plate.
5. Fasten the base plates to the floor with the enclosed adhesive.
 - ↳ Note the manufacturer's instructions for the adhesive.
 - ↳ Apply the adhesive in accordance with the manufacturer's instructions.
 - ↳ Observe the drying time in accordance with the manufacturer's instructions.
6. Put the holding plate onto the base plates and fasten with the cap nuts.
7. Fill out the Commissioning report.

6 Connecting the unit



DANGER

Risk of personal injury and physical damage from electric shock

- Prior to working on the unit, ensure that the unit has been disconnected from the mains.
- Do not operate the unit with the housing open.



CAUTION

Risk of injury from sharp edges

- Wear protective gloves.

ATTENTION

Risk of physical damage from damage to the lines

- Remove and attach housing components carefully.

6.1 Opening and closing the housing

6.1.1 Removing and attaching the rear panel

Removing the rear panel

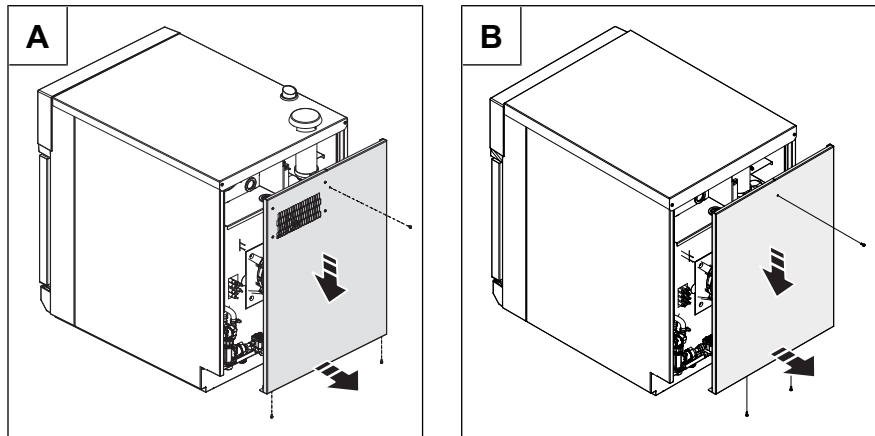


Image: Remove the rear panel, A Countertop unit, B Built-in unit

1. Undo the screws on the rear panel.
2. Carefully pull the bottom of the rear panel downwards and then forwards.

Attaching the rear panel

ATTENTION

Risk of physical damage from leaky housing

- Check seals when attaching the housing parts.
- Replace damaged gaskets.

1. First attach the rear panel at the top and then press it onto the seal at the bottom.
 2. Slide the rear panel upwards.
 3. Screw in the screws on the rear panel.
- ↳ The rear panel must make contact on all sides of the unit.

6.1.2 Removing and attaching the unit cover

Removing the unit cover on a countertop unit

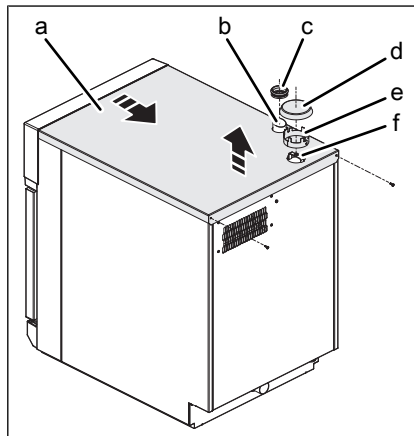


Image: Removing the equipment cover

- | | | | |
|---|-----------------|---|------------------|
| a | Equipment cover | d | Lid |
| b | Steam outlet | e | Ventilation ring |
| c | Seal | f | Air inlet |

1. Unscrew the lid from the air inlet.
2. Remove the ventilator ring.
3. Unscrew the screws on the unit cover.
4. Carefully remove the unit cover.

Attaching the unit cover on a countertop unit

ATTENTION

Risk of physical damage from leaky housing

- Check seals when attaching the housing parts.
- Replace damaged gaskets.

1. Brush the seal on the steam outlet with an acid-free slip agent.
2. Carefully push the unit cover over the steam outlet and air inlet.
↳ The air inlet must be pushed through the cut-outs on the unit cover.
3. Press the unit cover onto the housing.
4. Screw in the screws on the unit cover.
↳ The unit cover must be in contact with the unit on all sides.
5. Put the ventilator ring on with the cut-outs facing upwards and ensure that it can not be rotated.
6. Screw the lid onto the air inlet.

Removing the unit cover on an built-in unit

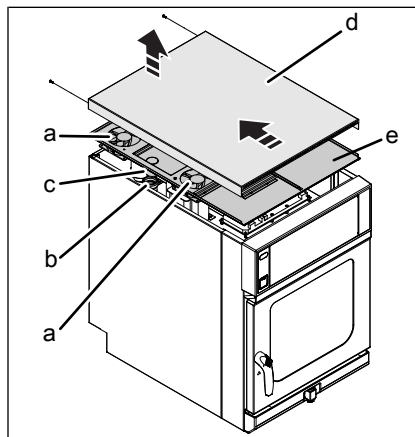


Image: Removing the equipment cover

- | | |
|----------------|-------------------|
| a Fan | d Equipment cover |
| b Seal | e Air diverter |
| c Steam outlet | |

1. Undo the screws on the equipment cover.
2. Carefully remove the equipment cover.

Attaching the unit cover on an built-in unit

ATTENTION

Risk of physical damage from leaky housing

- Check seals when attaching the housing parts.
- Replace damaged gaskets.

1. Check that the seal on the steam outlet is located correctly.
2. Coat the seal on the steam outlet with an acid-free slip agent.
3. Slide the equipment cover forwards.
4. Carefully attach the equipment cover flush with the steam outlet.
5. Screw in the screws on the equipment cover.

↳ The equipment cover must make contact on all sides of the unit.

6.2 Making the electrical connection

Electrical installation work

Electrical installation work on the electric system and the unit may only be performed by a specialist company, which is approved by the electric utility company in the particular region. The applicable regional regulations, standards and guidelines must be observed, as well as the connection conditions imposed by the electric utility company responsible.

Professional qualification for electrical installation work

Electrical installation work on the electrical system and the unit may only be carried out by an electrician from the specialist company assigned to the work.

The unit must be connected on the basis of the information on the nameplate and this manual.

Wiring diagram

The wiring diagram is included with the unit.

The wiring diagram and additional documents are available on the manufacturer's Internet page by entering the serial number of the unit (see Impressum).

Power connection cable

Minimum requirements for the unit's power connection cable to the electric mains:

Connection	Power connection cable
Permanent connection for fixed installation with a cable from the unit to a separate connection box.	Rubber sheath cable, oil-resistant, shrouded and flexible in accordance with IEC 60245-57 (for example: H05RN-F).
Connection of the unit with a plug.	

Permanent connection



CAUTION

Risk of property damage and personal injury from improper installation

- In the case of a permanent electrical connection, install an all-phase disconnect switch with at least 3 mm contact opening before the unit.

Install an all-phase disconnect switch if the unit will be connected permanently to the electric mains.



CAUTION

Risk of property damage and personal injury from improper installation

- The plug-in connection must be readily accessible.

Plug-in connection

If the unit is connected with a plug to the power-supply mains, use plugs and sockets according to IEC60309.

The socket must be readily accessible so that the unit can be disconnected from the electric mains at any time.

Insulation monitoring

If there is an unearthed network (IT network), the unit can be incorporated into the insulation monitoring.

Fault current device

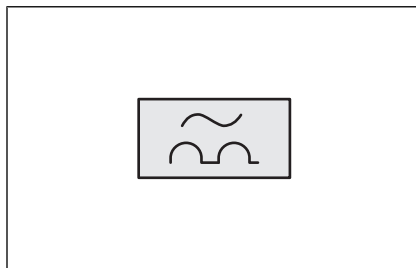


Image: RCD switch type A, circuit symbol

The unit can be connected to a fault current device.

If a fault current device is used, a fault current device type A (RCD type A) must be installed, to ensure that AC fault currents and pulsating DC currents are detected.

If the unit is connected to an electric mains system without a neutral conductor, a type B fault current circuit breaker (RCD type B), which is sensitive to all types of current, must be installed.

Due to special electronic components, the unit generates a small fault current. To ensure that the residual current device does not trip during normal operation, each unit must have its own residual current device.

Potential equalisation

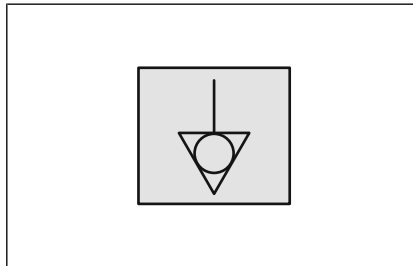


Image: Symbol for potential equalisation

The unit can be included in a potential equalisation system by means of appropriately sized wiring.

6.2.1 Connecting the power connection cable



DANGER

Risk of personal and physical damage through electric shock

- Before connecting, ensure that the connection point in the building is not live.
- Ensure that the connection line is undamaged.



DANGER

Risk of personal injury and physical damage from electric shock

- Before connecting, ensure that the power connection cable has been disconnected from the power supply.
- Ensure that the power connection cable is undamaged.

Requirement Electrical connection point in the building is not live

The voltage corresponds with the information on the nameplate

1. Connect the power connection cable to the connection point in the building in accordance with the wiring diagram.

↳ The power connection cable can also be equipped with a suitable plug.

2. Fill out the commissioning report.

Connecting the connection line available at the installation site

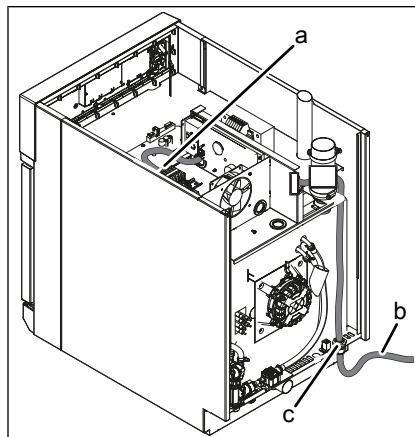


Image: Power connection cable

- a Connection terminals
b Power connection cable
c Cable passage



If a connection cable is already available at the installation site, the minimum requirements for the power connection cable must be observed and complied with.

Requirement The power connection cable meets the minimum requirements

Power connection cable not live

Rear panel removed

Unit cover removed

1. Disconnect the factory connection cable and carefully pull it out of the device.
↳ Note the routing position of the connection cable.
2. Pull the power connection cable into the unit through the cable passage.
3. Route the connection cable so that it corresponds exactly to the factory routing.
4. Secure the connection cable with cable ties.
5. Connect the connection line in accordance with the wiring diagram.
6. Firmly tighten the cable gland for strain relief.
7. Close the housing (see "Opening and closing the housing").
8. Fill out the commissioning report.

6.2.2 Connecting the power optimisation system (LOA)



DANGER

Risk of personal injury and physical damage from electric shock

- Before working on the unit, ensure that the unit has been disconnected from the power supply.



DANGER

Risk of personal injury and physical damage from electric shock

- Before connecting, ensure that the power connection cable has been disconnected from the power supply.
- Ensure that the power connection cable is undamaged.



When integrating the unit into a power optimisation system, observe the information in the operating manual of the power optimisation system.

The unit can be connected to a power optimisation system designed according to DIN 18875 with a potential-free contact. The dry contact is used for logging the unit onto the control system. The required cable length in the unit for the power optimisation system corresponds to the height of the unit.

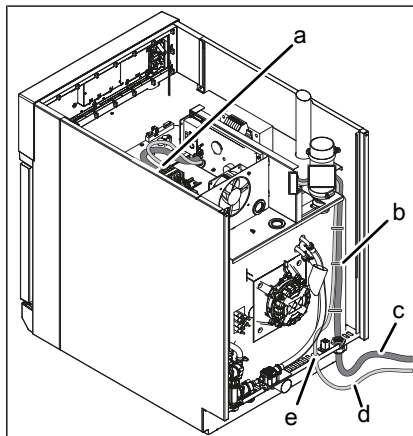


Image: Connect energy optimization system

- | | | | |
|---|---|---|---|
| a | Connection terminals X2 Power optimisation system | d | Connection line power optimisation system |
| b | Cable tie | e | Cable passage |
| c | Power connection cable | | |

Requirement Unit is disconnected
Connection line dead
Equipment cover opened
Rear panel opened

1. Press out a suitable opening in the bottom.
2. Screw in a suitable cable gland.
3. Guide the connection line through the cable gland into the unit.
4. Lay the connection line in parallel with the power connection cable as far as the connection terminals.
5. Connect the connecting cable according to the circuit diagram.
6. Fix the connection line with cable ties.
7. Tighten the cable gland securely to provide strain relief.
8. Close the housing.
9. Log on the power optimisation system in the basic control setting (see "Making the basic control setting").
10. Fill in the commissioning report.

6.2.3 Connecting to the potential equalisation circuit

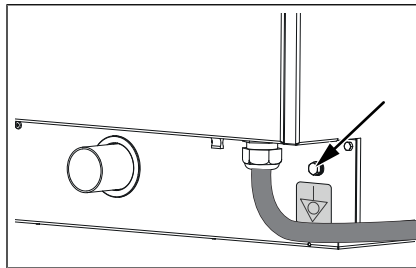
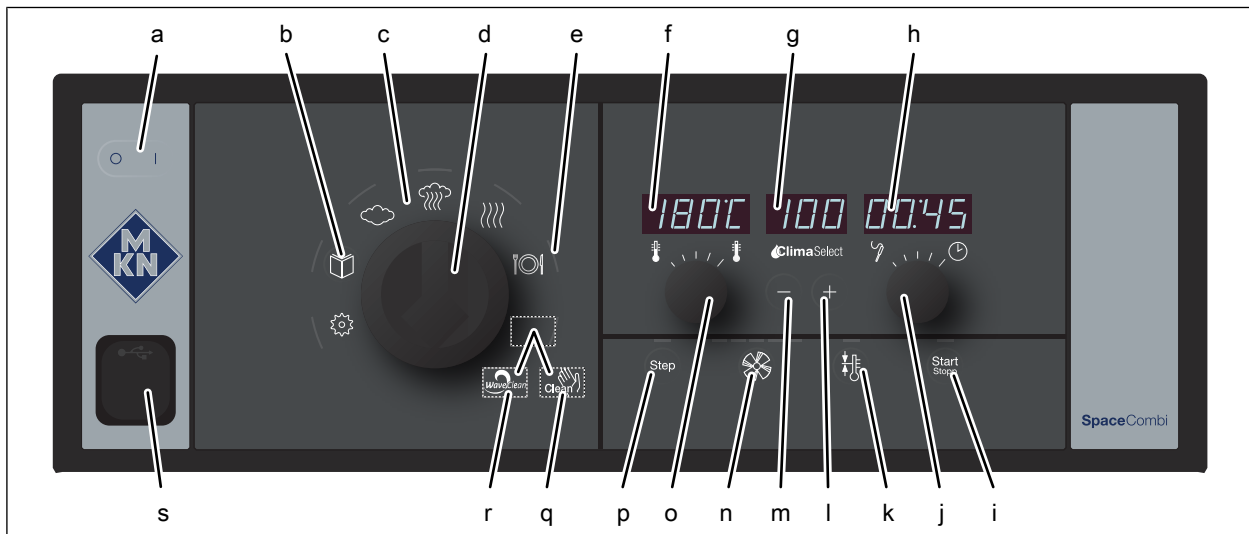


Image: Connecting to the potential equalisation circuit

1. Run and attach potential equalisation line to the identified terminal.
2. Fill out the commissioning report.

6.3 Making the basic control setting



- | | | | |
|---|----------------------|---|-------------------|
| a | On Off "I O" button | k | Ready2Cook button |
| b | "Program" button | l | Plus button |
| c | Selection range | m | Minus button |
| d | Select knob | n | Fan speed button |
| e | Indicator light | o | Left knob |
| f | Left display | p | "Step" button |
| g | Middle display | q | HandClean symbol |
| h | Right display | r | WaveClean symbol |
| i | Right knob | s | USB port |
| j | "Start Stopp" button | | |

6.3.1 Opening the Setting menu

By entering the password "2100", the basic settings for the installation can be displayed and changed.

Requirement Unit switched on

- Turn the *Selection* control knob to the *Settings* symbol.
 - ↳ Indicator light lights up.
 - ↳ Left display shows "PASS".
 - ↳ "- - -" flashes in right display.
- Set password using right knob.
 - ↳ Right display shows the set password.
- Press "Start Stopp" button.
 - ↳ Select "OPT" using left knob.
- To exit the settings menu, press "Step" button.
 - ↳ Basic settings can be changed.

6.3.2 Changing the basic control setting

1. Press the "START STOP" button.
 - ↳ Left display flashes the basic setting parameter (see "Equipment and connection data").
 - ↳ "OPt" appears on the centre display.
 - ↳ The right display shows the first set value.
2. Turn the left knob.
 - ↳ Set number.
3. Press the "START STOP" button.
 - ↳ The basic setting can be adjusted.
4. Turn the right knob.
 - ↳ Set new value.
5. Press the "START STOP" button.
 - ↳ Accept changes.
6. Press the "STEP" button twice to leave the Settings menu without changes.
7. Press and hold the "STEP" button for 3 seconds.
 - ↳ Changes are saved.
 - ↳ "OPt" flashes on the left display.
 - ↳ The centre display shows "Stor".
 - ↳ The unit restarts.
8. Fill out the Commissioning report.

6.4 Making the water connection

Installation work with tap water

Installation work on tap water lines and the unit may only be performed by a specialist company, which is approved by the water utility company in the particular region. The applicable regional regulations, standards and guidelines must be observed, as well as the connection conditions imposed by the water utility company responsible.

Professional qualification for tap water installation work

Installation work on the tap water lines and the unit may only be carried out by a plumber from the specialist company assigned to the work.

The unit has a connection for permanent attachment the drinking water system.

The unit is equipped with a permanent connection for:

- Softened drinking water for steam generation
- Drinking water for cooling, rinsing and cleaning



CAUTION

Hygiene risk from contaminated drinking water

- In the UK: For the drinking water installation, the specifications of the EN 1717 must be observed.
- Other countries: The connection to the drinking water supply must be equipped with a backflow preventer type EA.

ATTENTION

Risk of physical damage from the wrong water quality

- Ensure that the water quality complies with the equipment and connection data.



The unit can be connected to a reverse osmosis system.

The material of the connection line from the reverse osmosis system to the unit must be suitable.



Always connect both water connections to the unit.

6.4.1 Connecting the tap water connection line

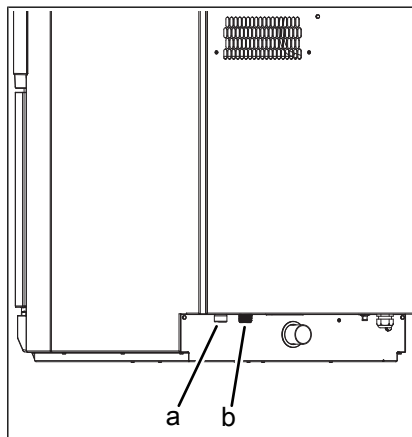


Image: Water connection

a Tap water connection

b Softened tap water connection

Requirement Water pressure complies with the specified range (see "Equipment and connection data")

Backflow preventer installed

The connection lines are pressure-tight and suitable for tap water

1. Connect the connection lines to the tap water valves using seals.
2. Flush the connection lines thoroughly.
3. Insert dirt filters into the water connections on the unit.
4. Connect the tap water connection line to the unit.
5. Connect the soft water connection line to the unit.

6. Open the tap water valves and check the threaded connectors for leaks.
7. Fill out the Commissioning report.

6.4.2 Connecting softened tap water to both connections

If only softened tap water is available at the installation site, use a T-piece to connect both water connections on the unit to each other.

Requirement Water pressure complies with the specified range (see "Equipment and connection data")

Backflow preventer installed

The connection line is pressure-tight and suitable for tap water

1. Connect the connection line to the tap water valve for soft water using a seal.
2. Flush the connection line thoroughly.
3. Insert dirt filters into the water connections on the unit.
4. Connect the T-piece to the unit.
5. Connect the connection line for soft water to the T-piece using a seal.
6. Open the tap water valve and check the threaded connectors for leaks.
7. Fill out the Commissioning report.

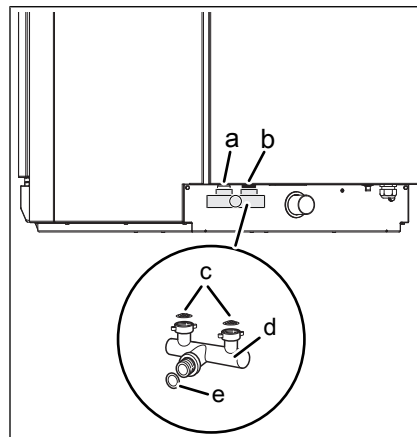


Image: Connecting double softened tap water

- | | |
|---------------------------------|-----------|
| a Tap water connection | d T-piece |
| b Softened tap water connection | e Seal |
| c Dirt filter | |

6.5 Making the wastewater connection

ATTENTION

Overflow of the device through an externally mounted siphon

Combi steamers have an integrated siphon.

An additional, external siphon without ventilation of the drain line will cause the unit to overflow in these combi steamers.

Therefore, do not connect an external siphon without ventilation to the waste water connection.

The wastewater connection needs a free outlet or vent.

The only exception:

- FlexiCombi Classic **without WaveClean**

Installation work with wastewater



Installation work on wastewater lines and the unit may only be performed by a specialist company, which is responsible for wastewater systems. The applicable regional regulations, standards and guidelines must be observed, as well as the connection conditions imposed by the wastewater system operator responsible.

Professional qualification for wastewater specialist

Installation work on wastewater lines and the unit may only be carried out by a wastewater specialist from the specialist company assigned to the work.

6.5.1 Determining the type of connection to the sewer system

The units can be equipped with either an automatic or manual cleaning system. The symbol on the control unit indicates which cleaning system is installed.

Cleaning system	Type of sewer system connection
 Automatic cleaning system	<ul style="list-style-type: none"> • Permanent connection • Free discharge
 Manual cleaning system	<ul style="list-style-type: none"> • Free discharge

6.5.2 Connecting the wastewater line to a permanent connection

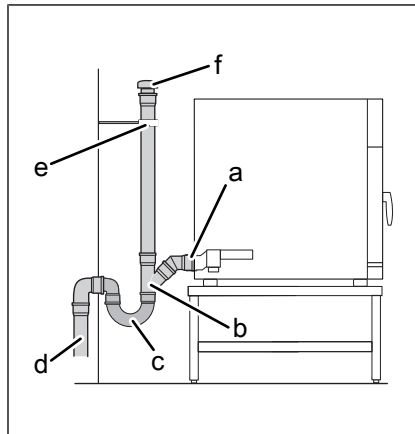


Image: Wastewater line to a permanent connection

- | | |
|-------------------------|---------------------|
| a Wastewater connection | d Wastewater system |
| b Wastewater line | e Pipe clamp |
| c Siphon | f Vacuum breaker |



If a waste trap is installed in the wastewater system, a vacuum breaker must be installed in the wastewater line.

Requirement Wastewater line complies with the specifications (see "Equipment and connection data")

1. Install the wastewater line up to the connection at the sewer system.
2. Secure the wastewater line with pipe clamps.
3. Fill the waste trap on the unit with tap water.
4. Fill out the Commissioning report.

6.5.3 Connecting a wastewater line with an unobstructed discharge

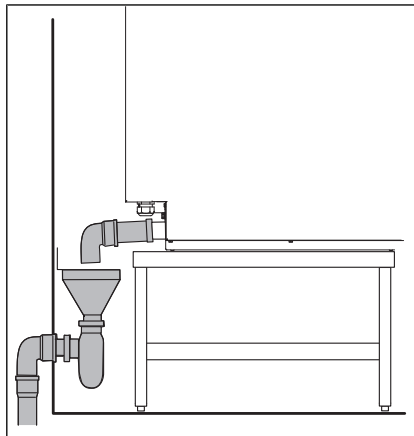


Image: Connecting the wastewater line to the discharge funnel

- | | |
|-------------------------|---------------------------|
| a Wastewater connection | d Sewer system |
| b Wastewater line | e Sewer system waste trap |
| c Funnel waste trap | f Discharge funnel |



Connect only the discharge funnel if a wastewater trap is installed in the wastewater system.

Requirement Wastewater line complies with the specifications (see "Equipment and connection data")

1. Connect the discharge funnel with waste trap to the sewer system.
2. Connect the wastewater line to the unit and route it as far as the discharge funnel.
3. Secure the wastewater line with pipe clamps.
4. Install the outlet of the wastewater line 20 mm above the discharge funnel.
5. Fill the discharge funnel with tap water.
6. Fill out the Commissioning report.

7 Installing the unit



CAUTION**Danger due to heavy weight of the unit (over 60 kg)**

- Erect the unit with several people.
 - Raise / lower the unit with suitable lifting equipment.
-



CAUTION**Risk of crushing from improper setup**

- Protect the unit and work area during setup and alignment.
-



CAUTION**Risk of crushing fingers and hands when lifting and lowering the unit on the shelf plate**

- Always lift and lower the unit (with suitable lifting equipment) carefully with two people.
-

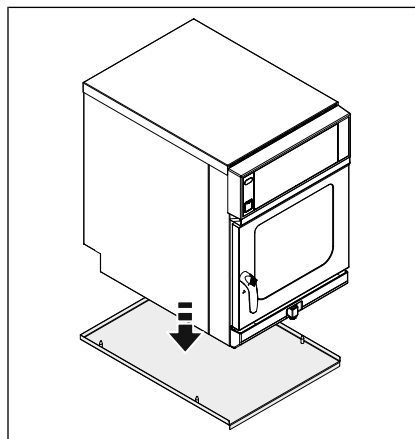


Image: Placing unit on slot-in plate

Requirement Power connection made
Water connection made or prepared
Wastewater connection made or prepared
Housing closed

1. Place the unit over the stud bolts and onto the slot-in plate.
↳ The angle of bend on the slot-in plate should be at the front.
2. Lift the unit with the slot-in plate and slide it into the installation.
3. Carry out the remaining work for the connection of the unit (see "Connecting the unit").
4. Fill out the Commissioning report.

8 Checking operation

**DANGER**

Risk of personal injury and physical damage from unsuccessful operational check

- Do not put the unit into service.
- Contact customer service.

Requirement Power connection made
Water connection made
Wastewater connection made
Unit is aligned
Unit cleaned

8.1 Checking the controls

1. Switch on the unit and start any cooking program (see Operating instructions).
 - ↳ Set the cooking zone temperature to a higher temperature than the current cooking zone temperature.
 - ↳ The unit heats up.
 - ↳ Once the set temperature is reached, heating switches off.
 - ↳ The temperature no longer increases.
 - ↳ The controls are functioning.
2. Switch off the unit.
3. Fill out the Commissioning report.

8.2 Checking the monitoring of the cooking zone door

1. Switch on the unit and start any cooking program (see operating instructions).
 - ↳ The unit starts to heat.
 - ↳ The fan wheel is turning.
2. Open the cooking zone door during operation.
 - ↳ The unit shuts off the heating function.
 - ↳ The fan wheel comes to a stop.
 - ↳ The monitoring of the cooking zone door is functioning.
3. Close the cooking zone door.
4. Switch off the unit.
5. Fill out the commissioning report.

8.3 Heating the unit up and rinsing it out

1. Switch on the unit.
2. Tap the "Manual cooking" button.
↳ Manual cooking menu is displayed.
3. Run the "Steaming" cooking mode for 15 minutes at 100 °C.
4. Rinse out the cooking zone thoroughly with clear water.
5. Run the Convection cooking mode for 5 minutes at 180 °C.
6. Open the cooking zone door and leave it open with a slight gap until the unit is used again.
7. Fill out the commissioning report.

9 Putting the unit into service



If the unit is not put into service immediately after being connected and the function check, all inspections must be repeated.

- Requirement**
- Power connection made
 - Water connection established
 - Wastewater connection established
 - Exhaust connection made (if required by the customer)
 - Operation successfully checked
 - Housing closed
1. Instruct the operator.
 2. Fill out the commissioning report.

9.1 Nameplate

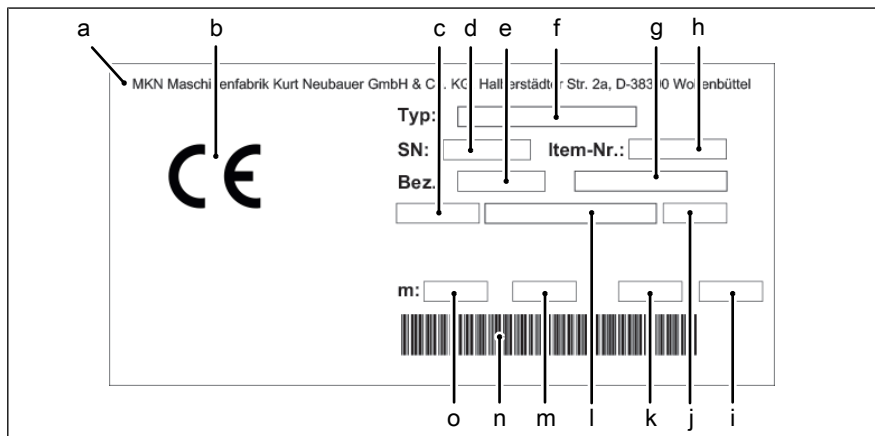


Image: Nameplate information

- | | | | |
|---|---------------------------|---|------------------------|
| a | Manufacturer | i | Frequency |
| b | CE mark | j | Barcode |
| c | Electrical connected load | k | Country of destination |
| d | Serial number | l | Type of connection |
| e | Equipment abbreviation | m | Protection class |
| f | Type number | n | Barcode |
| g | Equipment designation | o | Weight |
| h | Item number | | |

9.2 Filling out the Commissioning report

General	Yes	No
Enter the data on the nameplate. SN: _____ Type _____ Electrical connection _____ Designation _____ Item no.: _____ (if available)		
Obvious damage to the unit? What and where? _____	<input type="checkbox"/>	<input type="checkbox"/>
Unit levelled?	<input type="checkbox"/>	<input type="checkbox"/>

General	Yes	No		
Is it necessary to secure the unit against tipping or slipping? If so, how was it secured?	<input type="checkbox"/>	<input type="checkbox"/>		
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Secured against tilting <input type="checkbox"/> Floor screw fitting <input type="checkbox"/> Floor bonding </td> <td style="width: 50%; vertical-align: top;"> Secured against sliding <input type="checkbox"/> Floor screw fitting <input type="checkbox"/> Floor bonding </td> </tr> </table>	Secured against tilting <input type="checkbox"/> Floor screw fitting <input type="checkbox"/> Floor bonding	Secured against sliding <input type="checkbox"/> Floor screw fitting <input type="checkbox"/> Floor bonding		
Secured against tilting <input type="checkbox"/> Floor screw fitting <input type="checkbox"/> Floor bonding	Secured against sliding <input type="checkbox"/> Floor screw fitting <input type="checkbox"/> Floor bonding			

Power connection	Yes	No				
Power connection made properly?	<input type="checkbox"/>	<input type="checkbox"/>				
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><input type="checkbox"/> Equipotential bonding</td> <td style="width: 50%;"><input type="checkbox"/> Power optimisation system (LOA)</td> </tr> <tr> <td><input type="checkbox"/> Floating contact</td> <td><input type="checkbox"/> _____</td> </tr> </table>	<input type="checkbox"/> Equipotential bonding	<input type="checkbox"/> Power optimisation system (LOA)	<input type="checkbox"/> Floating contact	<input type="checkbox"/> _____		
<input type="checkbox"/> Equipotential bonding	<input type="checkbox"/> Power optimisation system (LOA)					
<input type="checkbox"/> Floating contact	<input type="checkbox"/> _____					
Electrical connections made properly?	<input type="checkbox"/>	<input type="checkbox"/>				
Residual-current protective device connected immediately before this unit?	<input type="checkbox"/>	<input type="checkbox"/>				

Basic control setting	Yes	No				
Set unit of temperature						
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><input type="checkbox"/> °C</td> <td style="width: 50%;"><input type="checkbox"/> °F</td> </tr> </table>	<input type="checkbox"/> °C	<input type="checkbox"/> °F				
<input type="checkbox"/> °C	<input type="checkbox"/> °F					
current software version _____						
set installation altitude						
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><input type="checkbox"/> 0 — 999 m</td> <td style="width: 50%;"><input type="checkbox"/> 1000 m — 1999 m</td> </tr> <tr> <td><input type="checkbox"/> 2000 m — 2499 m</td> <td><input type="checkbox"/> 2500 m or higher</td> </tr> </table>	<input type="checkbox"/> 0 — 999 m	<input type="checkbox"/> 1000 m — 1999 m	<input type="checkbox"/> 2000 m — 2499 m	<input type="checkbox"/> 2500 m or higher		
<input type="checkbox"/> 0 — 999 m	<input type="checkbox"/> 1000 m — 1999 m					
<input type="checkbox"/> 2000 m — 2499 m	<input type="checkbox"/> 2500 m or higher					
80 % power set?	<input type="checkbox"/>	<input type="checkbox"/>				
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><input type="checkbox"/> 100 %</td> <td style="width: 50%;"><input type="checkbox"/> 80 %</td> </tr> </table>	<input type="checkbox"/> 100 %	<input type="checkbox"/> 80 %				
<input type="checkbox"/> 100 %	<input type="checkbox"/> 80 %					
Voltage set in the control.						
Voltage: _____ V						
Set volume unit						
<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><input type="checkbox"/> ml</td> <td style="width: 50%;"><input type="checkbox"/> fl.oz. (Imperial)</td> </tr> <tr> <td><input type="checkbox"/> fl.oz. (U.S.)</td> <td></td> </tr> </table>	<input type="checkbox"/> ml	<input type="checkbox"/> fl.oz. (Imperial)	<input type="checkbox"/> fl.oz. (U.S.)			
<input type="checkbox"/> ml	<input type="checkbox"/> fl.oz. (Imperial)					
<input type="checkbox"/> fl.oz. (U.S.)						



Basic control setting		Yes	No
Power optimisation system (LOA) set?		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On	<input type="checkbox"/> Off		

Water connection		Yes	No
Connection pressure within indicated range?		<input type="checkbox"/>	<input type="checkbox"/>
Connection pressure: _____ (_____) kPa (bar)			
Water connection made properly?		<input type="checkbox"/>	<input type="checkbox"/>
Lines and connections leak-tight?		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Only connect to softened tap water	<input type="checkbox"/> Only connect to tap water		
Water connections connected with T-piece?		<input type="checkbox"/>	<input type="checkbox"/>

Wastewater connection		Yes	No
Wastewater connection made in a technically correct manner?		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> On-site waste trap	<input type="checkbox"/> Vacuum breaker		
<input type="checkbox"/> Funnel drain	<input type="checkbox"/> Floor gutter		
Diameter of the sewage pipe _____ mm			

Function check		Yes	No
Set steaming at 90 °C. Start cooking process. Unit reaches the preset values.		<input type="checkbox"/>	<input type="checkbox"/>
Start the convection heating. Open the cooking zone door. Does the fan stop if you open the cooking zone door while the unit is running?		<input type="checkbox"/>	<input type="checkbox"/>
Unit heated up and rinsed out?		<input type="checkbox"/>	<input type="checkbox"/>

Final notes		Yes	No
Was the unit put into service?		<input type="checkbox"/>	<input type="checkbox"/>
Comments:			
Operator trained?		<input type="checkbox"/>	<input type="checkbox"/>

Electrical installation was provided by:			
Company	Installer	City, date	Signature

The water and wastewater installation was provided by:			
Company	Installer	City, date	Signature

1000008110AINBED



Putting the unit into service

The function check was performed by:

Company	Installer	City, date	Signature
---------	-----------	------------	-----------

Operator training was provided by:

Company	Installer	City, date	Signature
---------	-----------	------------	-----------



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