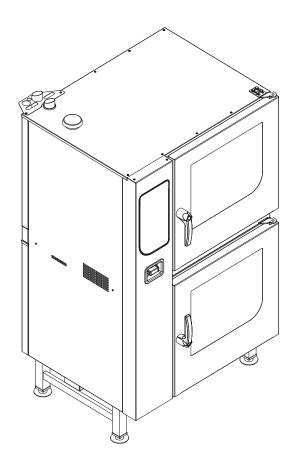




Read the operating instructions prior to commissioning

Installation instructions

Combisteamer



Unit	Energy type	Type of unit	Model
FlexiCombi Team	Electric	Floor-standing unit	DKECOD615-615 DKECOD615-621 DKECOD621-615 DKECOD621-621 DKECOD115-615 DKECOD115-621 DKECOD121-615 DKECOD121-621 DKECOD615-115 DKECOD615-121 DKECOD621-121

Manufacturer

MKN Maschinenfabrik Kurt Neubauer GmbH & Co. KG Halberstädter Straße 2a 38300 Wolfenbüttel Germany

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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
- Insert any supplements from the manufacturer.
- Pass on the installation manual to any subsequent operator of the

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.
\rightarrow	Action steps, which can be performed in any sequence.
1.	Action steps, which must be performed in the specified sequence.
2.	in the specified sequence.
└ →	Result of an action performed or additional information about it.



1.2 Staff qualification

Explanation of qualification

Skilled staff	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	ElectricianSpecific professional trainingEmployee of the specialist company concerned
Water connection	Plumber Specific professional training Employee of the specialist company concerned
Wastewater connection	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 Observe applicable international, European and national laws, standards 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

- Ensure that the installation area has adequate load-bearing capacity.
- 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

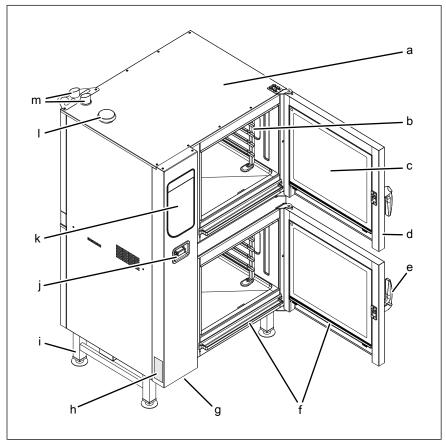


Image: Floor-standing unit

- a Housing
- b Support rack
- c Insulated window
- d Cooking zone door
- e Door handle
- f Steam drain channel
- g USB port (covered)

- h Nameplate
- i Equipment leg
- j Hand shower
- k Control unit
- I Air inlet
- m Steam outlet

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.

FlexiCombi Team

Size	615-615 615-621	621-621 621-615	115-615 115-621 615-115 621-115	121-615 121-621 615-121 621-121
Dimensions				
Unit Length x width x height (mm)	997 x 799 x 1700 997 x 799 x 1900			
Dimensions unit on casters				
Unit Length x width x height (mm)	1152 x 1009 x 1700		1152 x 1009 x 1900	
Weight				
Unit ≈ (kg)	253 291			
Weight unit on casters				
Unit ≈ (kg)	271		309	

Size	615	621	115	121
Emissions				
Noise level (db (A))	< 70			
Steam output (g/h)	2760	5540	4210	8080
Steam output (m³/h)	4,7	9,4	7,1	13,7
Latent heat (W)	1872	3762	2862	5490
Sensible heat (W)	1248	2508	1908	3660
With condensation hood				
Steam output (g/h)	830	1660	1260	2430
Steam output (m³/h)	1,4	2,8	2,1	4,1
Latent heat (W)	562	1129	859	1647
Sensible heat (W)	1248	2508	1908	3660

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.

•	
()nerating	environment
Operating	CITALICITE

Temperature (°C)	5 — 40
Relative humidity (%)	95
Non-condensing	



Size	615	621	115	121	
Cooking chamber light					
Illuminant	Halogen over	lamp 20 W 12 V G4			
Energy efficiency class	С	С			
Power connection					
Protection class	IPX5				
Type of connection	3NPE / AC 50	0/60 Hz, 3PE / AC 50/6	60 Hz		
Voltage (V)	200				
Connected load (kW)	10.1	16.3	14.7	25.5	
Fuse (A)	3 x 35	3 x 50	3 x 50	3 x 80	
Voltage (V)	208	·			
Connected load (kW)	10.2	17.4	15.7	27.3	
Fuse (A)	3 x 35	3 x 50	3 x 50	3 x 80	
Voltage (V)	220				
Connected load (kW)	11.6	19.7	17.7	30.8	
Fuse (A)	3 x 35	3 x 63	3 x 63	3 x 100	
Voltage (V)	230				
Connected load (kW)	12.6	21.4	19.3	33.6	
Fuse (A)	3 x 35	3 x 63	3 x 63	3 x 100	
Voltage (V)	240				
Connected load (kW)	13.7	23.3	21	36.5	
Fuse (A)	3 x 35	3 x 63	3 x 63	3 x 100	
Voltage (V)	380				
Connected load (kW)	9.4	18.9	14.4	27.6	
Fuse (A)	3 x 16	3 x 35	3 x 25	3 x 50	
Voltage (V)	400				
Connected load (kW)	10.4	20.9	15.9	30.5	
Fuse (A)	3 x 16	3 x 35	3 x 25	3 x 50	
Voltage (V)	415				
Connected load (kW)	11.2	22.5	17.1	32.8	
Fuse (A)	3 x 16	3 x 35	3 x 25	3 x 50	
Voltage (V)	440				
Connected load (kW)	10.4	20.9	15.8	30.5	
Fuse (A)	3 x 16	3 x 35	3 x 25	3 x 50	
Voltage (V)	480				
Connected load (kW)	12.3	20.9	18.9	32.6	
Fuse (A)	3 x 16	3 x 35	3 x 25	3 x 50	

Softened tap water connection Water type Softened tap water, □old □old □old □old □old □old □old □old	Size	615	621	115	121
Residual hardness CaCO3 (mmol/l (*dH)) < 1 (5,6)	Softened tap water connection				
(mmol/l ("dH)) < 100	Water type	Softened tap water, cold			
Iron Fe (mg/l)		< 1 (5,6)			
Connection pressure (kPa (bar))	Chloride CI (mg/l)	< 100			
Connection (") R 3/4 Tap water connection Water type Tap water, cold Carbonate hardness CaCO ₃ (mmo/l ("dH)) < 4 (22.2) Connection pressure (kPa (bar)) 200 (2) — 600 (6) Connection (") R 3/4 Water consumption, steaming Softened tap water (l/h) 16 21 18 24 Water consumption, combisteaming Softened tap water (l/h) 3.5 4.6 4 5,3 Water consumption, WaveClean cleaning program Softened tap water (l) 3 3 4.6 4 5,3 Wastewater connection 3 3 3 4.6 4 5,3 Wastewater (l) 3 3 4.6 4 5,3 Wastewater (l) 32	Iron Fe (mg/l)	< 0.2			
Tap water connection Water type Tap water, cold Carbonate hardness CaCO₃ (mmol/l (°dH)) < 4 (22,2)	Connection pressure (kPa (bar))	200 (2) — 600 (6)			
Water type Tap water, cold Carbonate hardness CaCO3 (mmol/l (°dH)) < 4 (22,2)	Connection (")	R 3/4			
Carbonate hardness CaCO3 (mmol/l (°dH)) < 4 (22,2)	Tap water connection				
(mmol/l (°dH)) 200 (2) — 600 (6) Connection pressure (kPa (bar)) 200 (2) — 600 (6) Water consumption, steaming Softened tap water (l/h) 16 21 18 24 Water consumption, combisteaming Softened tap water (l/h) 3,5 4,6 4 5,3 Water consumption, WaveClear cleaning program Softened tap water (l) 3 Tap water (l) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (l/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180 Heave the color of the co	Water type	Tap water, cold			
Connection (") R 3/4 Water consumption, steaming Softened tap water (l/h) 16 21 18 24 Water consumption, combisteaming Softened tap water (l/h) 3,5 4,6 4 5,3 Water consumption, WaveClean cleaning program Softened tap water (l) 3 Tap water (l) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at lest 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (l/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180		< 4 (22,2)			
Water consumption, steaming Softened tap water (I/h) 16 21 18 24 Water consumption, combisteaming Softened tap water (I/h) 3,5 4,6 4 5,3 Water consumption, WaveClean cleaning program Softened tap water (I) 3 Tap water (I) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Connection pressure (kPa (bar))	200 (2) — 600 (6)			
Softened tap water (I/h) 16 21 18 24 Water consumption, combisteaming Softened tap water (I/h) 3,5 4,6 4 5,3 Water consumption, WaveClean cleaning program Softened tap water (I) 3 Tap water (I) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Connection (")	R 3/4			
Water consumption, combisteaming Softened tap water (I/h) 3,5 4,6 4 5,3 Water consumption, WaveClean cleaning program Softened tap water (I) 3 Tap water (I) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Water consumption, steaming				
Softened tap water (I/h) 3,5 4,6 4 5,3 Water consumption, WaveClean cleaning program Softened tap water (I) 3 Tap water (I) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Softened tap water (I/h)	16	21	18	24
Water consumption, WaveClean cleaning program Softened tap water (I) 3 Tap water (I) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Water consumption, combistea	ming			
Softened tap water (I) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Softened tap water (I/h)	3,5	4,6	4	5,3
Tap water (I) 32 Wastewater connection Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Water consumption, WaveClear	cleaning program			
Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (l/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Softened tap water (I)	3			
Wastewater type Dirty water, maximum 80 °C Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Tap water (I)	32			
Connection to unit (mm) 50 Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Wastewater connection				
Maximum length (m) 1 with a drop of at least 5% or 3° Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Wastewater type	Dirty water, maximu	m 80 °C		
Temperature resistance (°C) 95 Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Connection to unit (mm)	50	50		
Maximum volume flow (I/min) 10 Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Maximum length (m)	1 with a drop of at least 5% or 3°			
Exhaust air connection Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Temperature resistance (°C)	95			
Connection to unit (mm) 53 Maximum length (m) 2,5 Temperature resistance (°C) 180	Maximum volume flow (I/min)	10			
Maximum length (m) 2,5 Temperature resistance (°C) 180	Exhaust air connection				
Temperature resistance (°C) 180	Connection to unit (mm)	53			
	Maximum length (m)	2,5			
If both cooking zones are used at the same time, the values given in the individual columns are added together.	Temperature resistance (°C)	180			
	If both cooking zones are used at the same time, the values given in the individual columns are added together.				

Floor fastening

Mandatory for the following types of unit		
DKECOD115-615		
DKECOD115-621		
DKECOD121-615		
DKECOD121-621		
All units on castors		
DKECOD615-615	Only in combination with FlexiCombi Air	
DKECOD621-621		

Basic control setting

Basic setting	Parameter s	Standard value	Adjustment range	Explanation
Actual voltage	14	400	100 — 500 V	Set the local, mean voltage between the line conductors.
Date/time			yyyy - mm - dd	Year - Month - Day
			hh : mm	Hour : Minute
Altitude	2	0 — 999	0 — 999 m	Request the altitude above sea level from
			1000 m — 1999 m	the closest weather station. If the altitude is unknown, set 0 — 999 m.
			2000 m — 2499 m	
			2500 m or higher	
Volume of audible signal		Medium	Individual	Sets the volume.
Temperature unit	1	°C	°C	Celsius (°C)
setting			°F	Fahrenheit (°F)
Unit of volume	34	ml	(ml)	Millilitre (ml)
			(fl.oz.)	Fluid ounce (fl.oz.)
	35	Imperial (fl.oz.)	Imperial (fl.oz.)	Imperial fluid ounce
			U.S. (fl.oz.)	U.S. fluid ounce
Water filter maintenance			Water quantity up to the maintenance message.	
				0 = No maintenance message
Network		DHCP	Network address and DHCP	Select and set interface.
Kitchen control	652	Disabled	0 = Disabled	Indicates whether the Kitchen
system			1 = Active	management system is being used.
	659	Ethernet	0 = Ethernet	Type of signal transmission (interface)
			1 = Serial	
	653	1188	0 — 65535	TCP port setting
	654	254	0 — 254	Unit address

Basic setting	Parameter s	Standard value	Adjustment range	Explanation
80 % power	3	100	80 %	Power can be limited to 80 % (for special
			100 %	applications).
Power optimisation	42	Off	On	If an energy optimization system is connected, "On" must be selected for the unit to heat.
system (LOA)			Off	
Settings parameters				 Set parameters via the roller. Tap the "Read" button to display the set value. Specify another value via the button panel. Press the "Write" button to save the new value.

Basic control setting (Advanced)

Basic setting	Parameter s	Standard value	Adjustment range	Explanation	
Generator operation	45	0	0 = No	If a generator is used to supply electricity	
			1 = Yes		
HoodIn (Vapour elimination)	48	1	0 = Lower water consumption, large 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.	
			1 = Normal		
			2 = Higher water consumption, greatly reduced amount of steam in the unit when the cooking chamber door is opened		
Time format	675	0	0 = 24 h	Sets the 12 h or 24 h time format	
			1 = 12 h		
Format for cooking program times	676	0	0 = hh:mm 1 = mm:ss 2 = Automatic	Display format for cooking program times	

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.



CAUTION

Risk of property damage and personnel injury from tipping unit

- Do not drive the unit with castors to the installation site on the castors.
 - ⇒ Only move the unit to the installation site using a suitable means of transport.

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

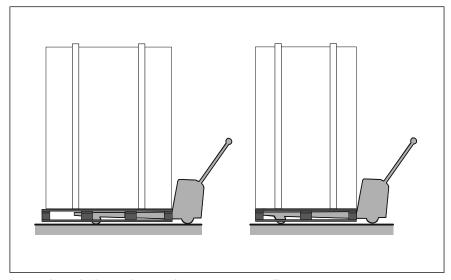


Image: Lengthwise and crosswise transport on pallet

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

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.

- 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



WARNING

Risk of burns from spraying hot fat

• Set up deep fat fryers outside the range of the hand shower.



WARNING

Danger of the unit tipping over on castors

If the unit is tilted on castors, it may tip over and seriously injure you.

Do not tip the unit on castors.



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

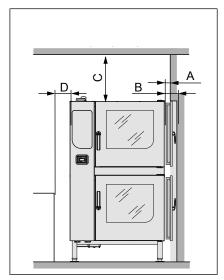


Image: Minimum clearances to walls, ceiling or units

Α	В	C *	D **
50	100		50

All dimensions in mm

The following clearances from walls, ceilings or other equipment must be provided when setting up the unit:

- · Left, right and rear at least 50 mm.
- For service work, on the left 500 mm is recommended.
- Clearance from heat sources (baking oven), on the left 500 mm.
- Clearance to deep-fat fryers, at least one length of the hand shower on the left and right.

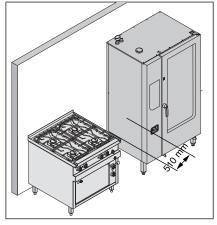


Image: Minimum distance to devices with high heat radiation



^{*} Depending on the kitchen ventilation system and the material composition of the ceiling

^{**} Recommended for service work 500 mm

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 Lifting the unit off the pallet



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 lifting the unit incorrectly

Place the forks of the lift truck next to the waste trap.

Additional support at the rear of the unit is required to lift it safely.

Requirement for additional support for the unit

- Square metal profile at least 40 x 40 x 2 mm.
- Or timber at least 40 x 40 mm.

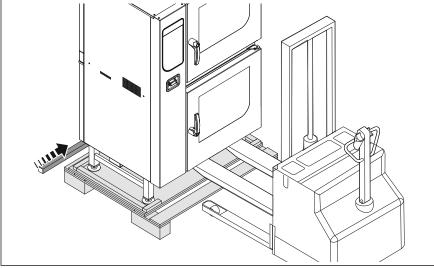


Image: Lifting the unit off the pallet



Requirement Unit unpacked

Protective film removed

Unit cleaned

Locking brake fixed

The rear support is present

- 1. Slide the forks of the pallet truck under the unit and to the right of the waste trap.
- 2. Place the rear support of the unit on the forks of the pallet truck.
- 3. Gently raise the forks and make sure, that the rear support does not shift and that it is securely in contact with the unit.
- 4. Lift the unit carefully off the pallet.

5.3 Placing the unit on the equipment legs

Requirement The floor must support the weight of the unit

- 1. Use appropriate lifting gear to lift the unit.
- 2. Set up the unit in accordance with the planning drawing.
- 3. Align the unit lengthwise and crosswise (see "Aligning the unit").

5.4 Aligning the unit



Align unit on castors by placing washers between castors and unit.

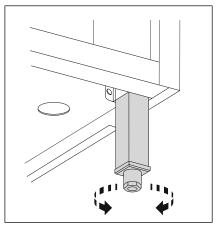


Image: Placing the unit on the equipment legs

- 1. Place a spirit level on the unit.
- 2. Align the unit horizontally by screwing the equipment legs in or out.
- 3. Fill out the Commissioning report.



5.5 Fastening the unit to the floor

5.5.1 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").

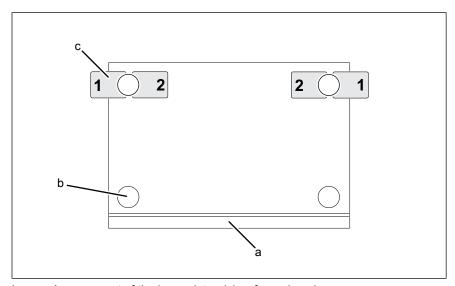


Image: Arrangement of the base plates (view from above)

- 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.

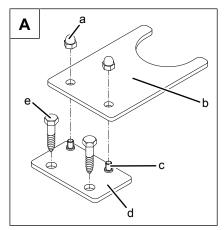
The fastening set comprises two floor fastenings and all the necessary components for screwing or bonding them to the floor.

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.



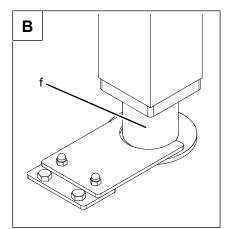


Image: A: Position of the floor plate; B: Floor plate screwed to the floor

- a Cap nut
- b Holding plate
- c Stud bolt

- d Floor plate
- e Wood screw
- f Equipment leg

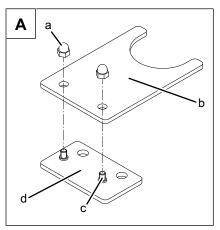
Requirement The floor must be capable of taking the weight of the unit The floor must be clean and suitable for the type of fastening The unit is set up and levelled in accordance with the planning drawing

- 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.



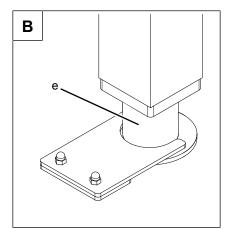


Image: A: Position of the floor plate; B: Floor plate glued to the floor

- a Cap nut
- b Holding plate
- c Stud bolt

- d Floor plate
- e 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.
- 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
- 7. Fill out the Commissioning report.



5.5.2 Securing the unit against sliding

A combi steamer can be secured against slipping if required (optional).

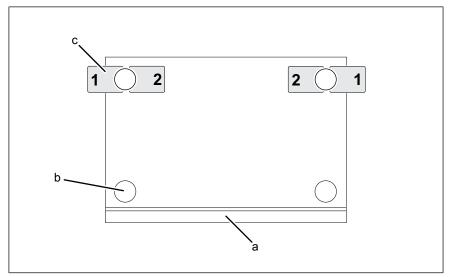


Image: Arrangement of the base plates (view from above)

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

A special fastening set with floor plates for securing the unit against sliding is available from the manufacturer as an accessory.

The fastening kit contains two bottom plates and all components required to bolt or bond to the bottom.

The unit is fastened by means of two bottom plates, as indicated 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.

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. Align the bottom plates in position 1-1 or 2-2 on the equipment leg as shown in the drawing and mark the fastening holes on the bottom.
- 2. Mark the position of all equipment legs on the floor.
- 3. Using suitable lifting equipment, move the unit away until the drill holes can be made in the floor.
- 4. Drill the holes in the diameter of the dowel sufficiently deep into the floor.
- 5. Carefully move the unit to the installation position.



- 6. Using the anchors and fastening screws provided, screw the bottom plates to the bottom.
- 7. Ensure that, after the fastening screws have been inserted, the floor seal is restored again.
- 8. 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.

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. Align the bottom plates in position 1-1 or 2-2 on the equipment leg as shown in the drawing and mark the bottom.
- 2. 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.
- 3. Fill out the commissioning report.

5.5.3 Unit on castors: Attach both castor stops to the floor

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

- 1. Place the unit in the intended position.
- Place castor stops on the rear castors.
- 3. Mark the position of the castor stops on the floor.
- 4. Remove the unit.
- 5. Fix the castor stops to the floor using the appropriate material for the floor in question.
- 6. Observe the manufacturer's specifications for the fastening material.



5.6 Unit on castors: Secure unit to the wall

Requirement Wall must be designed for a tensile force of at least 0.6 kN.

The safety rope for securing must be shorter than the connecting lines of the unit.

- 1. Place the unit in the intended position and in the castor stops.
- 2. Guide the arresting wire to the wall and thus determine the correct position of the wall fastening.
 - Safety rope and wall mounting are not part of the scope of delivery.
- 3. Mark the position of the wall mounting.
- 4. Fix the wall mounting to the wall using the material suitable for the wall in question.
- 5. Observe the manufacturer's specifications for the fastening material.
- 6. After completing the work, check the safety function.



6 Connecting the unit



DANGER

Risk of personal injury and physical damage from electric shock

- Before working on the FlexiCombi Team, ensure that both power circuits within the unit are not live.
- 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 side wall

Removing side wall

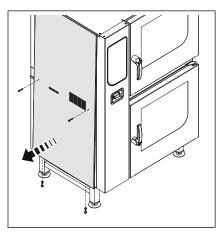


Image: Removing the side wall

- 1. Unscrew the screws in the middle of the side wall.
- 2. Unscrew the screws at the bottom of the side wall.
- 3. Pull the side wall forwards at the bottom edge.
- 4. Remove the side wall.



Attaching side wall

ATTENTION

Risk of physical damage from leaky housing

- Check seals when attaching the housing parts.
- · Replace damaged gaskets.
- 1. Insert the side wall at the top edge.
- 2. Carefully press the side wall in at the bottom.
- 3. Fasten the bottom of the side wall with the screws.
- 4. Fasten the screws in the middle of the side wall.
- 5. Check that the side wall is in contact with the unit on all sides.

6.2 Making the power 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	
Connection of the unit with a plug.	H05RN-F).	
Permanent connection for fixed installation with a permanently laid cable and direct connection to the unit.	PVC sheathed cable for permanent ducting in buildings or damp and wet rooms.	



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.



The units must be connected individually.

Do not route the connection line together.

Insulation monitoring

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

Fault current device

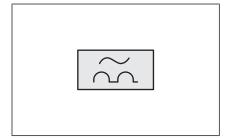


Image: RCD switch type A, circuit symbol

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

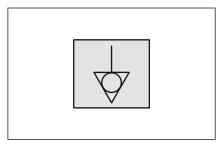


Image: Symbol for potential equalisation

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

6.2.1 Matching the unit to the connection voltage



DANGER

Risk of personal injury and physical damage from electric shock

- Before working on the **FlexiCombi Team**, ensure that **both** power circuits within the unit are not live.
- Do not operate the unit with the housing open.

ATTENTION

Risk of physical damage from incorrect connection voltage

 Before making the connection, measure the connection voltage and check the set voltage on the transformers in the unit.

a Transformer

b Power supply unit

Currently, the units are equipped with a transformer or a power supply, depending on availability.

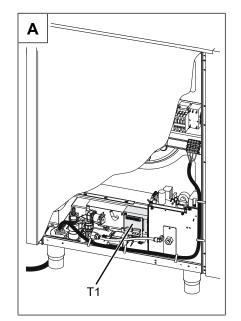
The adjustment of the supply voltage described below may only be necessary for units with a transformer.

No adjustment is necessary for units with a power supply unit.

When the unit is delivered, it is preset to a certain connection voltage or voltage range.

If the on-site supply voltage deviates from the preset supply voltage, the device may be damaged.

Before connecting the device, the supply voltage must be measured and the transformers located in the device must be checked and reconnected if necessary.



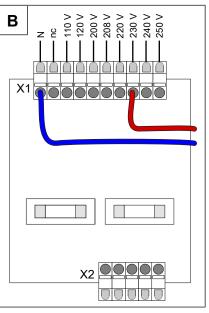
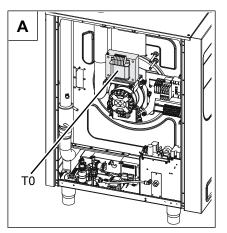


Image: A Transformer position T1; B Connection for transformer controls





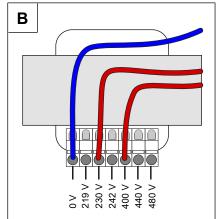


Image: A Transformer position T0, only for unit without neutral wire; B Transformer connection

Requirement Unit not live

Left side wall removed

- 1. Measure the connection voltage with a suitable measuring device.
 - → The voltage range must match that on the nameplate.
 - → If there are voltage fluctuations, the maximum expected voltage must be taken into account.
- 2. Check whether the transformer voltage is within the specified range (see "Equipment and connection data").
 - → If the set voltage differs, match the transformer voltage by reconnecting.
 - → Document the new voltage set on the sticker.
- 3. In the case of units with several transformers, repeat the procedure for each transformer.
- 4. Close the housing (see "Opening and closing the housing").
- 5. Fill out the Commissioning report.

6.2.2 Connecting the power connection cable



DANGER

Risk of personal injury and physical damage from electric shock

- Before working on the **FlexiCombi Team**, ensure that **both** power circuits within the unit are not live.
- Do not operate the unit with the housing open.



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.



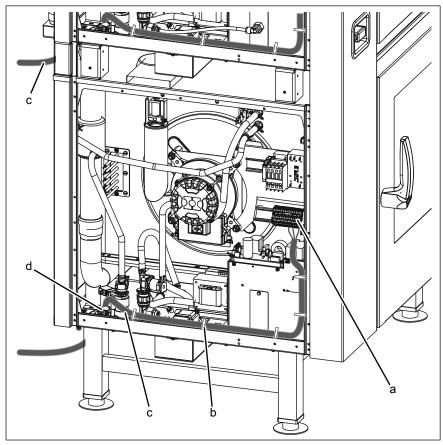


Image: Connecting the power connection cable

- a Connection terminals
- b Cable tie

- c Power connection cable
- d Cable gland



The units must be connected individually.

Do not route the connection line together.

Requirement Unit not live

Power connection cable not live

Side wall open

- 1. Insert the power connection cable into the unit through the cable gland.
- 2. Connect the power connection cable in accordance with the wiring diagram.
- 3. Secure the power connection cable with cable ties.
- 4. Tighten the cable gland securely to provide strain relief.
- 5. Close the housing (see "Opening and closing the housing").
- 6. Fill out the Commissioning report.



6.2.3 Connecting the power optimisation system (LOA)



DANGER

Risk of personal injury and physical damage from electric

- Before working on the FlexiCombi Team, ensure that both power circuits within the unit are not live.
- Do not operate the unit with the housing open.



DANGER

Risk of personal injury and physical damage from electric

- 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 units must be connected individually.

Do not route the connection line together.

The unit can be connected to a power optimisation system designed according to DIN 18875 with a potential-free contact. The floating contact is used for logging the unit onto the control system.

Requirement Unit is disconnected

Connection line dead

Housing opened

- 1. Pull the power connection cable into the unit through the cable passage.
- 2. Bring the connection cable to the connection terminals.
- 3. Connect the connecting cable according to the circuit diagram.
- 4. Fix the connection line with cable ties.
- 5. Log on the power optimisation system in the basic control setting (see "Making the basic control setting").
- 6. Fill in the commissioning report.



6.2.4 Connecting to the potential equalisation circuit

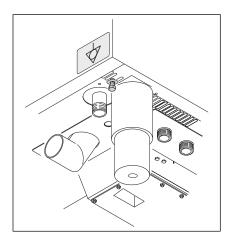


Image: Connecting the potential equalisation circuit



Perform this for each unit separately.

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

6.3 Connecting the kitchen management system

The units can be connected with a RJ45 plug to a kitchen management system.



DANGER

Risk of personal injury and physical damage from electric shock

- Before working on the **FlexiCombi Team**, ensure that **both** power circuits within the unit are not live.
- Do not operate the unit with the housing open.

Minimum requirements for the network cable

Type of network	Ethernet
Cable quality	4-pair, shrouded patch cable Cat-5 S/FTP
Connection to unit	Shrouded RJ45 plug



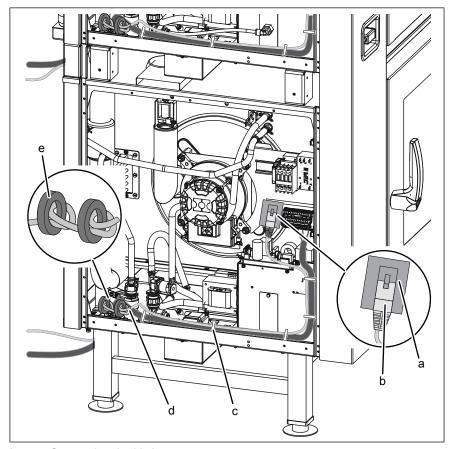


Image: Connecting the kitchen management system

- a RJ45 socket
- b RJ45 plug
- c Cable tie

- d Network cable
- e Ferrite ring



Perform this for each unit separately.

Requirement Unit not live

Housing opened

- 1. Pull the network cable into the unit through the cable gland.
- 2. Lead the network cable through the two ferrite rings, with one winding through each.
- 3. Connect the network cable to the unit with the RJ45 plug.
- 4. Register the network in the basic control setting (see "Making the basic control setting").
- 5. Fill out the Commissioning report.



6.4 Making the basic control setting

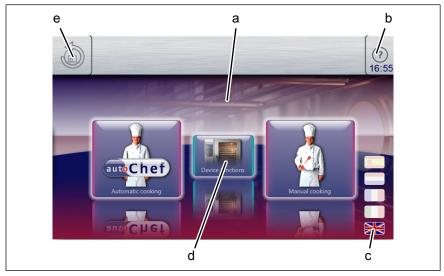


Image: Main menu

- a Main menu
- b FlexiHelp button
- c Language selection
- d "Equipment functions" button
- e Back button

6.4.1 Changing the basic control setting

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



The basic settings are made in the dialogue.

Advanced settings are made via the parameters for the settings.



Perform this for each unit separately.

Requirement The unit is switched on

The Main menu is displayed

- 1. Tap the "Equipment functions" button.
 - → The *Equipment functions* menu is displayed.
- 2. Tap the "Equipment settings" field.
 - \rightarrow The *PIN* window opens.
- 3. Enter the password.
- 4. Tap the *Confirm* button.
 - → The *Equipment settings* menu is displayed.
 - → The basic settings can be changed (see "Equipment and connection data").
- 5. Fill out the Commissioning report.



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6.5 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.



6.5.1 Connecting the tap water connection line



The units must be connected individually.

Do not route the connection line together.

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.

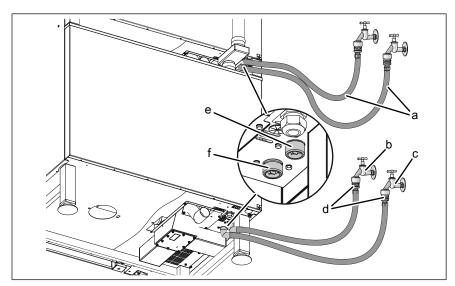


Image: Water connection

- a Connection line
- Softened tap water
- c Tap water

- d Backflow preventer
- Softened tap water connection
- f Tap water connection

6.5.2 Connecting softened tap water to both connections

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



The units must be connected individually.

Do not route the connection line together.

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.

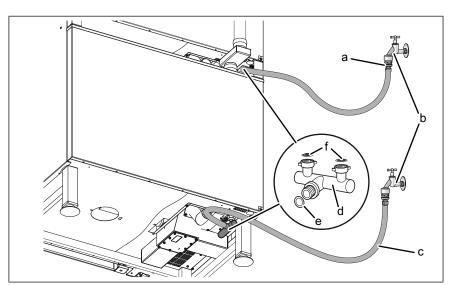


Image: Connecting softened tap water to both connections

- a Backflow preventer
- b Softened tap water
- c Connection line

- d T-piece
- e Seal
- f Dirt filter



6.6 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

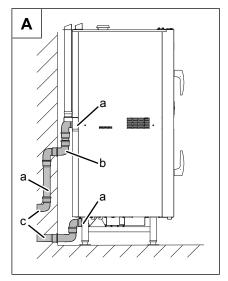
Installation work on wastewater lines and the unit may only be carried out by a wastewater specialist from the specialist company assigned to the work.



6.6.1 Connecting the wastewater line to a permanent connection



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



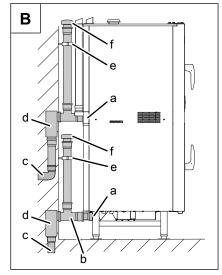


Image: A Permanent connection without waste trap, B Permanent connection with on-site waste trap

- Wastewater connection
- Wastewater line
- Sewer system

- Sewer system waste trap
- Pipe clamp
- f Ventilator



The units must be connected individually.

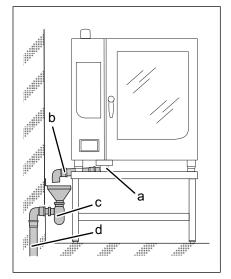
Do not route the connection line together.

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.



6.6.2 Connecting a wastewater line with an unobstructed discharge



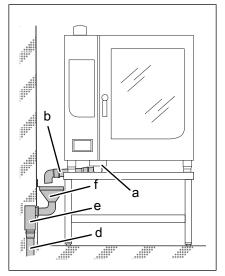


Image: Connecting a wastewater line with an unobstructed discharge

- Wastewater connection
- Wastewater line
- Funnel waste trap
- d Sewer system
- Sewer system 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.



6.7 Making the exhaust air connection

When setting up the unit under a ventilation system, observe the regional regulations for heating, ventilation and air conditioning systems.

ATTENTION

Risk of physical damage from fouling of the exhaust air ducts

Do not connect the exhaust air line directly to the ventilation system.

ATTENTION

Risk of corrosion damage from condensate

Install the exhaust air line such that condensate cannot collect.

6.7.1 Connecting the exhaust air line

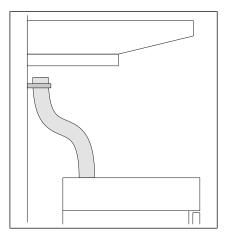


Image: Connecting the exhaust air line

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

- 1. Connect the exhaust air line to the steam outlet.
- 2. Route the exhaust air line with a 3° rise as far as the ventilation system.
- 3. Fasten the end of the exhaust air line 50 mm 200 mm underneath the ventilation system.
- 4. Fill out the Commissioning report.



7 Checking operation



DANGER

Risk of personal injury and physical damage from unsuccessful operational check

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



Perform this for each unit separately.

Requirement Power connection made

Water connection made

Wastewater connection made

Unit is aligned

Unit cleaned

7.1 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.
 - \rightarrow 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.

7.2 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.



7.3 Heating the unit up and rinsing it out

- 1. Switch on the unit.
- 2. Tap the "Manual cooking" button.
 - → The 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.

8 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.

8.1 Filling out the Commissioning report

General			No
Enter the data on the nameplate.			
SN: Type			
Electrical connection			
Designation			
Item no.: (if avai	lable)		
Obvious damage to the unit? What and where?			
Unit levelled?			
General			No
Is it necessary to secure the unit against tipping or s	lipping?		
If so, how was it secured?			
Secured against tilting	Secured against sliding		
Floor screw fitting	Floor screw fitting		
Floor bonding Floor bonding			
Power co	onnection	Yes	No
Power connection made properly?			
Equipotential bonding	Power optimisation system (LOA)		
Floating contact			
Electrical connections made properly?			
Residual-current protective device connected immediately before this unit?			



Kitchen management system			No
Has the kitchen management system been connected properly?			
	trol setting	Yes	No
Set unit of temperature	I		
°C	∏ °F		
Have date and time been set?			
current software version			
set installation altitude			
□ 0 — 999 m	☐ 1000 m — 1999 m		
2000 m — 2499 m	2500 m or higher		1
80 % power set?			
100 %	80 %		
Voltage set in the control.			
Voltage:V			
Audible signal volume set?			
Quiet	Loud		
Signal tone selected?			
Set volume unit			<u> </u>
☐ ml	fl.oz. (Imperial)		
fl.oz. (U.S.)			
Power optimisation system (LOA) set?			
On	Off		
Set water filter maintenance			•
No maintenance message	maintenance message at		
Has network configuration been set?			П
DHCP	IP address:		_
Subnet mask:	Gateway:		
Has kitchen management system been set?			П
Active	Disabled		
Ethernet	Serial		
TCP port:	Unit address:		
Unit address:			
Water connection			
Connection pressure within indicated range?			П
Connection pressure:	() kPa (bar)		
Water connection made properly?			



Putting the unit into service

Water connection					No
Lines and connections leak-tight?					
Only connect to softened	Only connect to softened tap water Only connect to tap water				
Water connections connected	with T-piece?				
	Wastewater connec	etion		Yes	No
Wastewater connection made	in a technically correct manne	r?		П	П
On-site waste trap	Va	cuum breaker			
Funnel drain	Flo	por gutter			
Diameter of the sewage pipe		mm			
	Exhaust air connec	tion		Yes	No
Setting up below ventilation s	ystem?				
Connected to exhaust air duc	t?			П	П
Diameter of exhaust air line		mm			
Length of exhaust air line:		mm			
Function check					No
Set steaming at 90 °C. Start cooking process. Unit reaches the preset values.					
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?					
Unit heated up and rinsed out?					
	F: 1 .				<u> </u>
Mas the unit mut into coming?	Final notes			Yes	No
Was the unit put into service?					Ш
Comments:					
Operator trained?					
Electrical installation was prov	vided by:				
Signature					
Company	Installer	City, date			
The connection to a kitchen management system was made by:					
Signature Company Installer City date					

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The water and wastewater installation was provided by:					
			- ·		
Company	Installer	City, date	Signature		
Company	Installer	City, date			
Exhaust air connection was p	rovided by:				
			Signature		
Company	Installer	City, date			
The function check was perfo	rmed by:				
			Signature		
Company	Installer	City, date			
Operator training was provided by:					
Operator training was provided by:					
			Signature		
Company	Installer	City, date			

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