



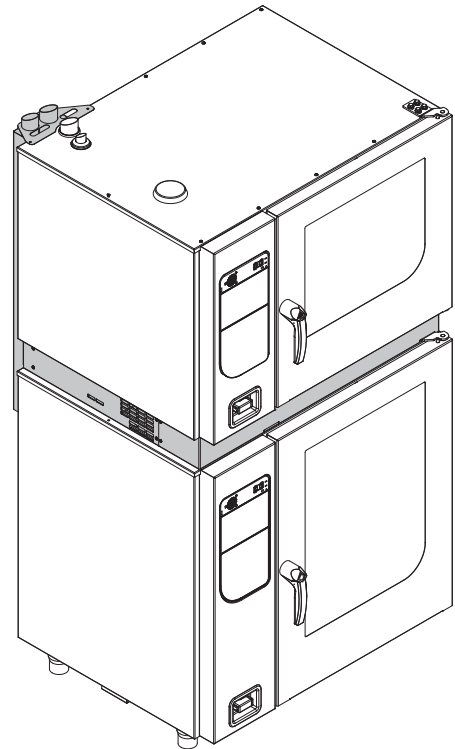
Read the operating instructions prior to commissioning

Installation instructions

Stacking kit

Model

FPG-615
FPG-621
FPG-115
FPG-121
FPG-615
FPG-621
FPG-115
FPG-121



FM07-220C • 4/19/2017

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1 Introduction	5
1.1 About this manual	5
1.1.1 Explanation of signs	6
1.2 Use of the unit	7
1.3 Warranty	7
2 Safety instructions	8
3 Description of the unit	9
4 Scope of delivery	10
5 Installation	12
5.1 Preparatory work	12
5.1.1 Preparing the underframe (optional)	12
5.1.2 Preparing the bottom Combisteamer	13
5.1.3 Preparing the top Combisteamer	14
5.2 Placing the Combisteamer on the underframe (optional)	15
5.3 Placing the Combisteamer	16
5.4 Attaching the anti-tilt device	17
5.5 Attaching the gas connection pipe	17
5.6 Attaching the outgoing air pipe	18
5.7 Attaching the exhaust gas duct	19
5.8 Attaching the cover for the exhaust gas duct	20
5.9 Attaching the cover panels	21
5.9.1 Attaching the cover panel on the right	21
5.9.2 Attaching the cover panel on the left	22
5.9.3 Assembling the front cover panel	23
5.9.4 Attaching the front cover panel	24
5.10 Concluding activities	24

1 Introduction

1.1 About this manual

The installation instructions are part of the unit and contain information on safe installation of the unit.

Observe the following notes and adhere to them:

- Read the installation instructions completely prior to installation.
- Make the installation instructions available to the installation fitter at the operating site at all times.
- Preserve the installation instructions throughout the service life of the unit.
- Insert any additions from the manufacturer.
- Pass on the installation instructions to any subsequent operator of the unit.

Target group The target group of the installation instructions is trained qualified personnel that is familiar with installing and operating the unit.

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

1.1.1 Explanation of signs

DANGER

Imminent danger

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

WARNING

Potential danger

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

CAUTION

Dangerous situation

Failure to observe precautions can result in slight to moderately severe injuries.

NOTICE

Property damage

Failure to comply can cause property damage.

INFORMATION

Information

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.

1.2 Use of the unit

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

1.3 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.
- Improper startup, operation or maintenance of the unit.
- Problems resulting from failure to observe these instructions.

2 Safety instructions

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 installation fitter must be familiar with regional regulations and observe them.

The installer must observe the safety information in these installation instructions and also the "Safety information" chapter in the installation instructions for the units used, as well as the "Safety information" chapter in the unit's 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

- Pay attention to protruding parts when transporting the unit without packaging.

Organizational measures

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

- Identify danger zones when transporting, installing, and connecting the unit.
- Prior to starting the installation tasks notify any operator present about the procedure.
- Prior to starting the installation task 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.

Installation

Risk of property damage and personal injury from improper installation

- Wear safety shoes and protective gloves.

3 Description of the unit

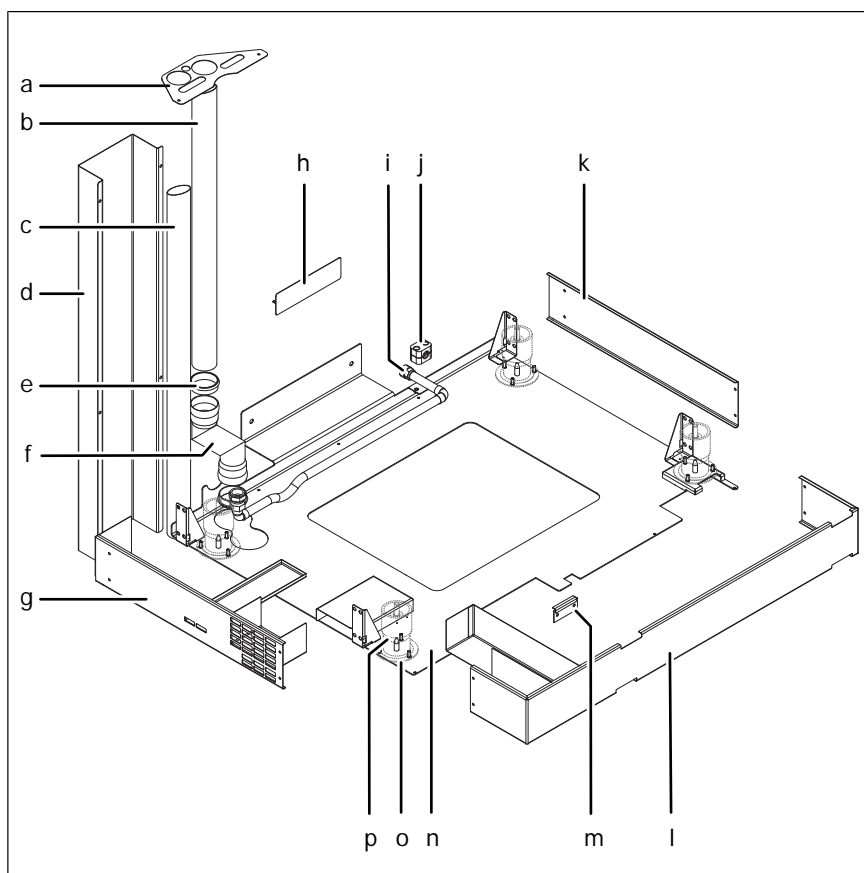


Image: Description of the individual parts


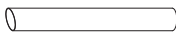




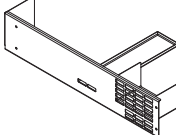

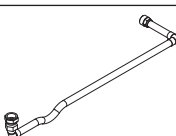

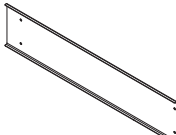
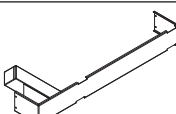
- | | | | |
|---|---------------------------------|---|---|
| a | Outgoing air pipe holder | i | Gas connection pipe |
| b | Extension for outgoing air pipe | j | Pipe clamp |
| c | Exhaust gas duct | k | Cover panel (right) |
| d | Cover for exhaust gas duct | l | Cover panel (front) |
| e | Seal for outgoing air pipe | m | Plate |
| f | Outgoing air pipe diverter | n | Adapter plate |
| g | Cover panel (left) | o | Unit leg shim |
| h | Holding plate | p | Top Combisteamer unit leg (dashed line) |


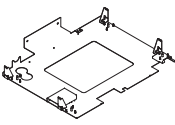












4 Scope of delivery

The following parts are included in the delivery.

Prior to the installation check that the parts are complete and undamaged.

Scope of delivery

Position	Figure	Designation	Article number	Quantity
a		Outgoing air pipe holder	10016602	1
b		Outgoing air pipe	935634	1
c		Exhaust gas duct	10016589	1
d		Cover for exhaust gas duct	801299	1
e		Seal for outgoing air pipe	211079	2
f		Outgoing air pipe diverter	204501	1
g		Cover panel (left)	945666	1
h		Holding plate	866861	2
i		Gas connection pipe	204603	1
j		Pipe clamp	208018	2
k		Cover panel (right)	945504	1
l		Cover panel (front)	945676	1

Position	Figure	Designation	Article number	Quantity
m		Plate	802401	2
n		Adapter plate	945671	1
		Snap nut, M4	208025	12
		Screw, M4x10	118005	12
		Screw, M4x16	101120	10
		Nut, M4	113082	4
		Lock washer, 4	121031	10
		Washer, 4	120017	14
		Nut, M6	113091	12
		Screw, M6x40	102036	12
		Lock washer, 6	121033	12
		Washer, 6	120027	2
		Adhesive tape	303503	300 mm
		Hot surface sticker	209570	1

5 Installation

DANGER

Risk of fatal injury from falling unit

- Do not stand under a suspended load.
 - Cordon off danger zone in compliance with regulations.
-

CAUTION

Risk of property damage and personnel injury from tipping unit

- Stay clear of lifted unit.
 - Move lifted unit carefully.
-

CAUTION

Risk of crushing from improper installation

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

CAUTION

Risk of injury from sharp edges

- Wear protective gloves.
-

NOTICE

Risk of property damage from lifting the unit incorrectly

- Place the forks of the pallet truck next to the siphon.
-

NOTICE

Risk of property damage from improper lifting of the unit

- Lift size 6 and size 10 units only with the aid of rectangular timbers placed underneath.
-

INFORMATION

When installing the stacking kit please observe the installation instructions for the Combisteamer that has been installed.

5.1 Preparatory work

5.1.1 Preparing the underframe (optional)

CAUTION

Risk of property damage and personal injury from slide-in rails that are too high.

- The underframe under an attached stacking kit must be a maximum of 10.63 inches high.
-

Prerequisite Load-bearing capacity of the floor suitable for the underframe and unit

1. Set up the underframe in accordance with the planning drawing.
2. Level the underframe.

5.1.2 Preparing the bottom Combisteamer

Prerequisite Unit unpacked
 Electrical connection line dead
 Water supply line disconnected from the supply network
 Gas supply line disconnected from the supply network
 Wastewater connection prepared
 Stacking kit checked for completeness and made ready
 Underframe prepared (optional)

→ Set up and align the unit (see "Installation instructions for Combisteamer").

↳ The bottom Combisteamer is prepared.

Attaching the adapter plate

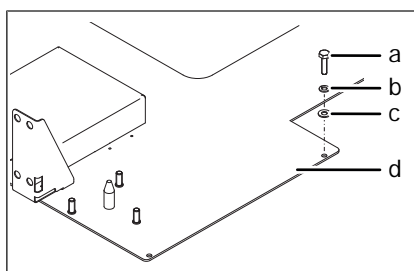


Image: Adapter plate

- a Screw
- b Lock washer
- c Washer
- d Adapter plate

Prerequisite Bottom Combisteamer prepared

1. Unscrew the screws on the lid of the Combisteamer.
2. Place the adapter plate on the lid of the bottom unit and align it.
3. Screw in the screws on the lid of the Combisteamer.

Attaching the outgoing air pipe diverter

INFORMATION

Apply cleaning liquid to the seals for easier installation.

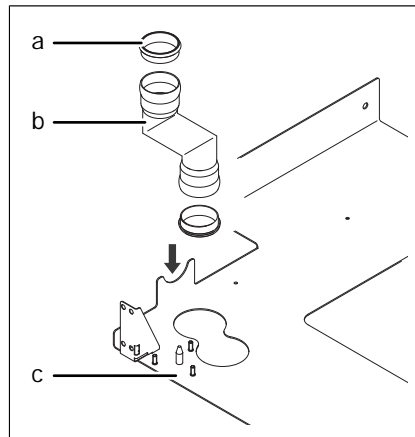


Image: Outgoing air pipe diverter with locking mechanism on adapter plate (arrow)

- a Seal
- b Outgoing air pipe diverter
- c Adapter plate

Prerequisite Adapter plate attached

1. Put the seals onto the outgoing air pipe diverter.
2. Put the outgoing air pipe diverter onto the unit's outgoing air outlet.
3. Press the outgoing air pipe diverter into place and align it.
 - ↳ The outgoing air pipe diverter must be located firmly on the locking mechanism.
 - ↳ Outgoing air pipe diverter attached.

5.1.3 Preparing the top Combisteamer

Prerequisite Unit unpacked

Electrical connection line dead

Water supply line disconnected from the supply network

Gas supply line disconnected from the supply network

Wastewater connection prepared

Bottom Combisteamer prepared

- Set up and align the unit (see "Installation instructions for Combisteamer").
- ↳ The top Combisteamer is prepared.

Setting the front unit legs

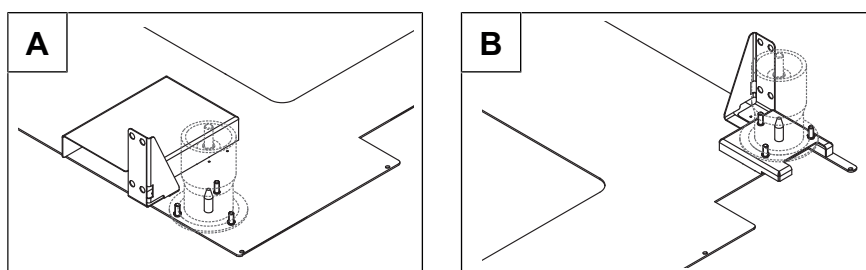


Image: Front unit leg, A left, B right

Prerequisite Bottom Combi-steamer leveled
Bottom Combi-steamer aligned vertically

1. Position the washer on the unit leg over the upright bolt.
2. Set the front left unit leg to 4.65 inches by screwing it in or out.
3. Set the front right unit leg to 3.86 inches by screwing it in or out.
 - ↳ When doing this pay attention to the reinforcement on the adapter plate.
 - ↳ The front unit legs are set.

Setting the rear unit legs

Prerequisite Bottom Combi-steamer leveled
Bottom Combi-steamer aligned vertically

1. Position the washer on the unit leg over the upright bolt.
2. Set the unit legs to 4.65 inches by screwing them in or out.
- ↳ The rear unit legs are set.

5.2 Placing the Combi-steamer on the underframe (optional)

Prerequisite Combi-steamer unpacked

1. Lift the Combi-steamer with a lifting truck and place it on the underframe.
 - ↳ When doing this pay attention to the positioning of the unit legs on the upright bolts.
2. Set the Combi-steamer unit legs and align them.
 - ↳ Set the unit legs to 4.65 inches by screwing them in or out.
 - ↳ The Combi-steamer unit legs are set.
 - ↳ The Combi-steamer is aligned.
 - ↳ The Combi-steamer is placed on the underframe.

5.3 Placing the Combisteamer

WARNING

Risk of injury from the unit tilting

Support the unit to prevent the unit from tilting.

NOTICE

Risk of property damage from improper lowering of the unit

Take care not to damage the unit's locking device.

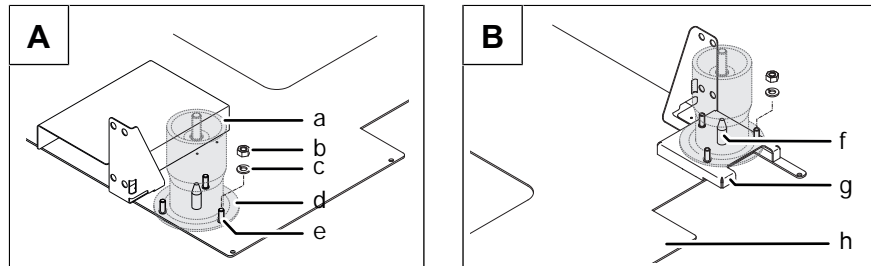


Image: A Front left unit leg, B front right unit leg

- | | |
|--|-------------------------------|
| a Top Combisteamer unit leg
(dashed line) | e Pin |
| b Nut | f Upright bolt |
| c Lock washer | g Adapter plate reinforcement |
| d Washer (unit leg) | h Adapter plate |

Prerequisite Bottom Combisteamer prepared and aligned
Adapter plate on bottom Combisteamer attached
Top Combisteamer unpacked and lifted from pallet (see "Installation instructions for Combisteamer")
Top Combisteamer unit legs set

1. Prepare the water connection.
↳ Connect the T-piece and hose for the water connection to the Combisteamer (see "Installation instructions for Combisteamer").
2. Connect the gas connection pipe.
3. Lift the top Combisteamer with a lifting truck and place it on the installed adapter plate.
↳ When doing this pay attention to the positioning of the unit legs on the upright bolts.
4. Position the washer on the unit leg over the pin.
5. Put the lock washer on.
6. Put the nut on and tighten it.
↳ The top and bottom Combisteamers are connected together.

5.4 Attaching the anti-tilt device

NOTICE

Risk of property damage from squashed cables and hoses

Cables and hoses must not be squashed.

INFORMATION

Suitable fastening materials must be provided by the customer.

The following work must be carried out in the building:

1. Attaching the anti-tilt device.

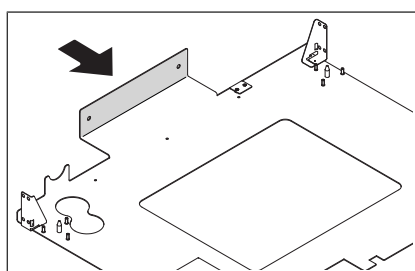


Image: Anti-tilt device

Prerequisite Adapter plate attached
The Combisteamer is aligned

1. Move the Combisteamer into the final position.
↳ Do not squash the cables and hoses.
2. Press the angles to the wall.
↳ If necessary compensate for any unevenness with suitable shims.
3. Depending on the type of fastening required fasten the angles rigidly and securely to the wall with suitable fastening materials.
↳ Anti-tilt device is installed.

5.5 Attaching the gas connection pipe

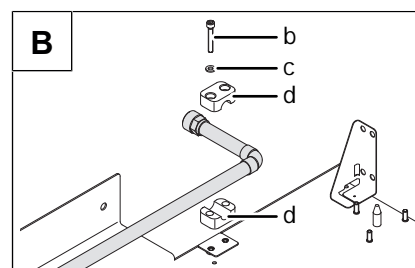
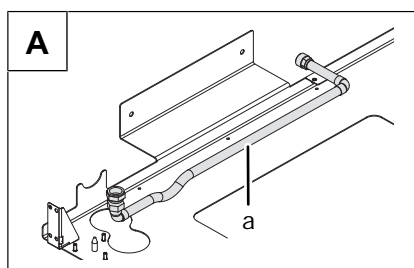


Image: Gas connection pipe A Positioning, B Fastening

a Gas connection pipe
b Screw

c Washer
d Pipe clamp

Prerequisite Top Combisteamer placed on the adapter plate and fastened

1. Route the gas connection pipe under the discharge outlet and behind the outgoing air pipe of the top Combisteamer.
 2. Place the union nut on the gas connection port and screw it tight.
 3. Position the gas connection pipe on the adapter plate with tube clamps.
 4. Fasten the tube clamps with a screw and washer.
- ↳ The gas connection pipe is attached.

5.6 Attaching the outgoing air pipe

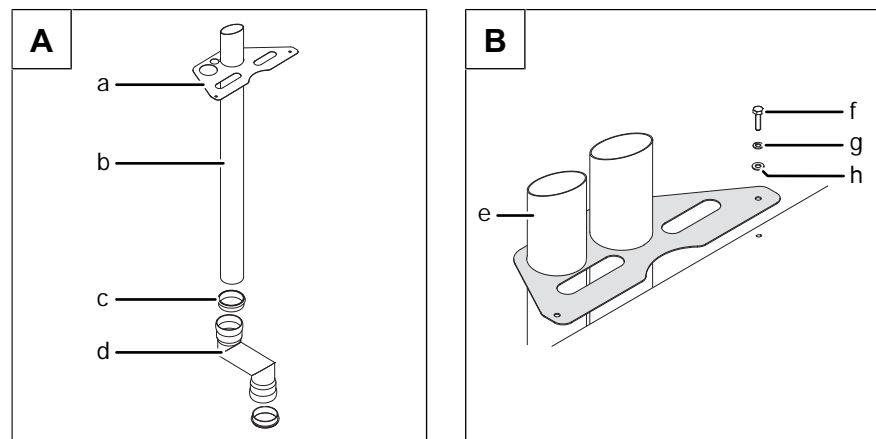


Image: A Components, B Fastening for outgoing air pipe on top Combisteamer

- | | | | |
|---|----------------------------|---|------------------|
| a | Outgoing air pipe holder | e | Exhaust gas duct |
| b | Outgoing air pipe | f | Screw |
| c | Seal for outgoing air pipe | g | Lock washer |
| d | Outgoing air pipe diverter | h | Washer |

Prerequisite Adapter plate installed
Outgoing air pipe diverter installed

1. Put the outgoing air pipe onto the outgoing air pipe diverter.
 2. Unscrew the screw on the lid of the top Combisteamer.
↳ Keep the screw, washer and lock washer.
 3. Put the outgoing air pipe holder on the outgoing air pipe.
 4. Fasten the outgoing air pipe holder to the lid of the top Combisteamer with the screw, washer, and lock washer.
- ↳ Outgoing air pipe is attached.

5.7 Attaching the exhaust gas duct

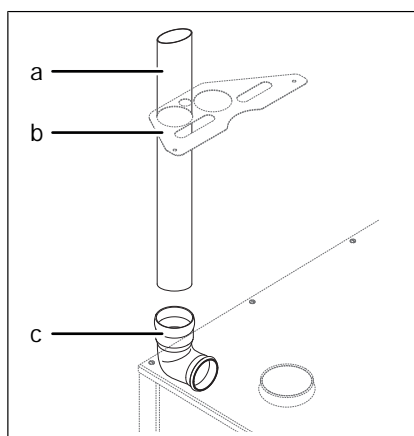


Image: Exhaust gas duct

- a Exhaust gas duct
- b Exhaust gas duct holder
- c Exhaust gas bend (bottom Combisteamer)

Prerequisite Exhaust gas routing to the rear (bottom Combisteamer)
Adapter plate installed

1. Push the exhaust gas duct onto the exhaust gas bend.
 2. Insert the exhaust gas duct into the outgoing air pipe holder.
 3. Fasten the outgoing air pipe holder (see "Attaching outgoing air pipe").
 4. Attach the cover for the exhaust gas duct (see "Attaching cover for exhaust gas duct").
- ↳ Exhaust gas duct is attached.

5.8 Attaching the cover for the exhaust gas duct

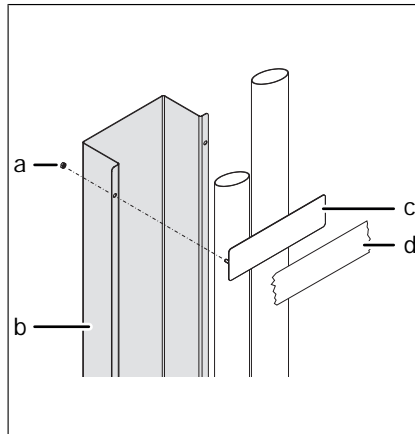


Image: Cover for exhaust gas duct

- a Nut
- b Cover for exhaust gas duct
- c Holding plate
- d Adhesive tape

Prerequisite Outgoing air pipe installed

Exhaust gas duct installed

Rear of unit in the area of the cover is clean, dry, and free of dust or grease

1. Pull off the protective film.
 2. Stick the adhesive tape to the rear wall of the unit.
 3. Apply the holding plate to the adhesive tape on the rear wall of the unit and press it firmly.
 4. Attach the outgoing air pipe (see "Attaching outgoing air pipe").
 5. Attach the exhaust gas duct (see "Attaching exhaust gas duct").
 6. Put the cover for the exhaust gas duct onto the holding plate and fasten it with the nut.
 7. Apply the "*Hot surface*" sticker.
- ↳ Cover for exhaust gas duct is attached.

5.9 Attaching the cover panels

5.9.1 Attaching the cover panel on the right

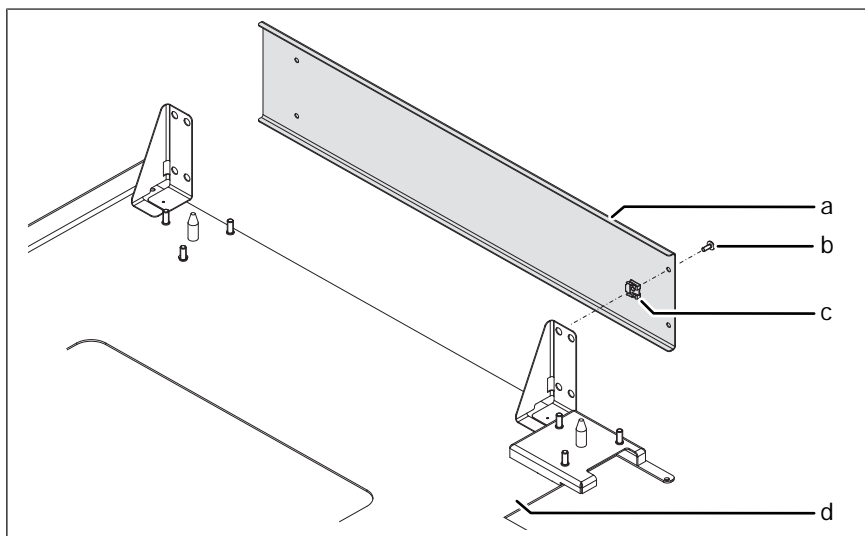


Image: Cover panel

a Cover panel
b Screw

c Nut
d Adapter plate

Prerequisite Both units are not live
Combisteamers connected together
Water connection made
Gas connection made

1. Put the nut on the holder.
 2. Press the cover panel onto the adapter plate.
 3. Screw the cover panel tight with the screw.
- ↳ Cover panel attached.

5.9.2 Attaching the cover panel on the left

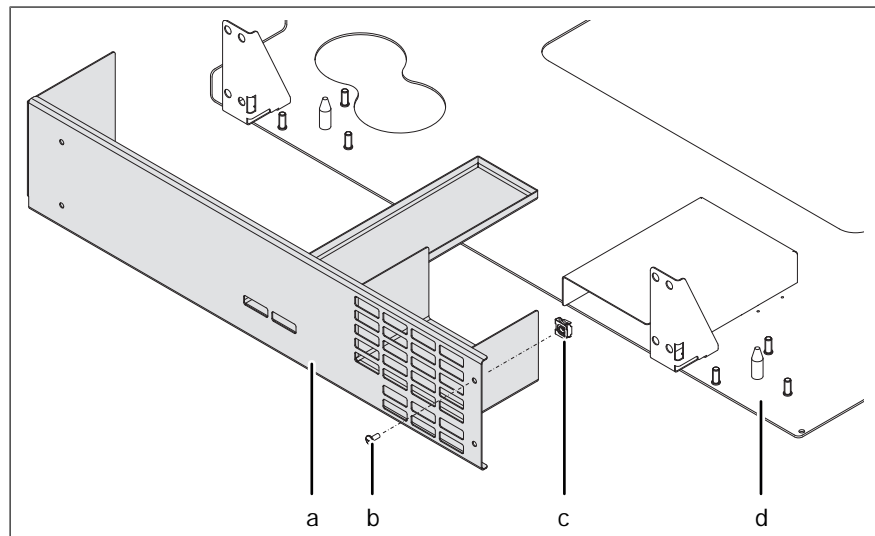


Image: Cover panel

a Cover panel
b Screw

c Snap nut
d Adapter plate

Prerequisite Both units are not live
Combisteamers connected together
Water connection made
Gas connection made
Cover panel on the right attached

1. Put the nut on the holder.
 2. Press the cover panel onto the adapter plate.
 - ↳ When doing this carefully push in the air duct under the top Combisteamer.
 3. Screw the cover panel tight with the screw.
- ↳ Cover panel attached.

5.9.3 Assembling the front cover panel

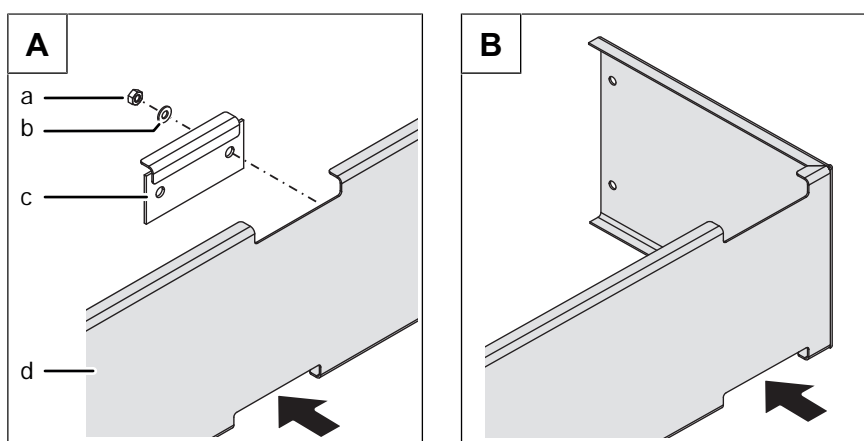


Image: A Hinged on the right (arrow), B Hinged on the left (arrow)

a Screw
b Nut

c Plate
d Cover panel

Hinged on the right

1. Close the cut-out on the left side of the cover panel.
 2. Put the plate on the pin and press it into position.
 3. Put the washer on and fasten it with the nut.
- ↳ Proceed in the same way with the second plate.
- ↳ Cut-out in the cover plate is closed.

Hinged on the left

4. Close the cut-out on the right side of the cover panel.
 5. Put the plate on the pin and press it into position.
 6. Put the washer on and fasten it with the nut.
- ↳ Proceed in the same way with the second plate.
- ↳ Cut-out in the cover plate is closed.

5.9.4 Attaching the front cover panel

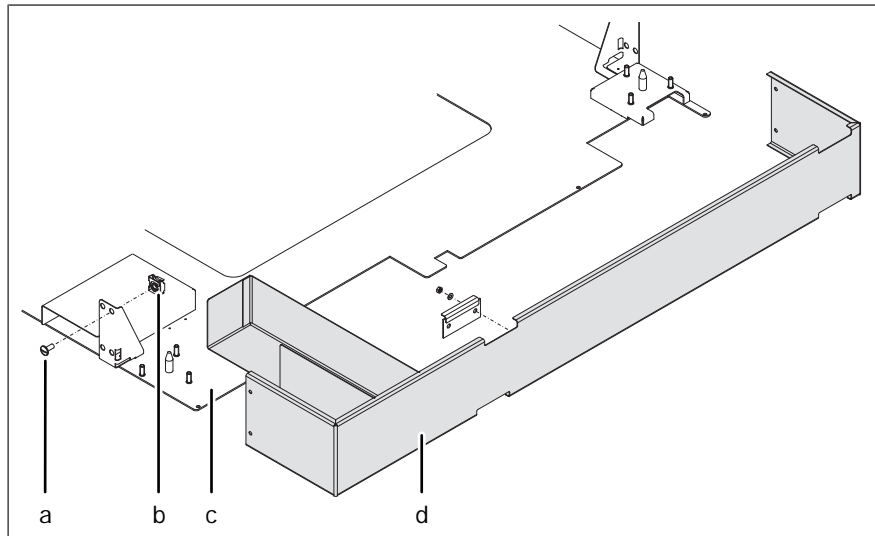


Image: Cover panel

a Screw
b Nut

c Adapter plate
d Cover panel

Prerequisite Cover panel on the right attached
Cover panel on the left attached

1. Put the nut on the holder.
2. Press the cover panel onto the adapter plate.
↳ When doing this carefully push in the air duct under the top Combisteamer.
3. Screw the cover panel tight with the screw on the left and right.
↳ Cover panel attached.

5.10 Concluding activities

Carry out the following work as described in the installation instructions for the Combisteamer:

1. Connect both Combisteamers separately to the power supply.
2. Connect both Combisteamers separately to the water and waste water mains.
3. Connect both Combisteamers separately to the gas supply.
4. Perform a function test.
5. Put the unit into service.
6. Fill out the start-up operation report.



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