

Read the operating instructions prior to commissioning

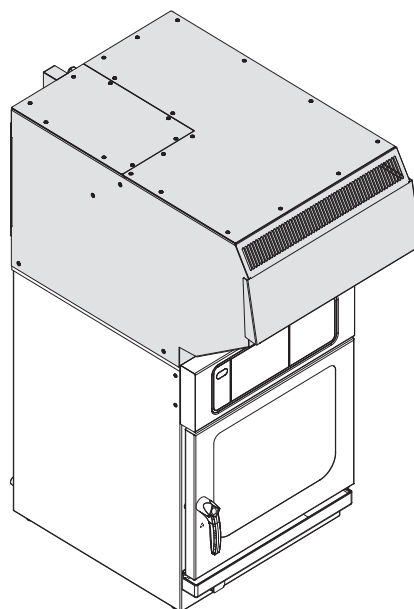
Installation instructions

Ventless hood

Model

10017243 for model
FSE-605

10017202 for model
FSE-610



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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 comply can lead do 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 or additional information relating to it.

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 technician must be familiar with regional regulations and observe them.

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

Ensuring conformity with standards Observe all 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.
- Attach the unit to the lifting gear securely during transport and installation to prevent it from dropping.

Organizational measures

- Prior to starting the installation task discuss how to behave in an emergency.
- Use equipment and protective gear suitable for the activity.

Installation Risk of property damage and personal injury from improper installation

- Wear safety shoes and protective gloves.

Electrical connection Risk of fire from improper connection

- Observe applicable regional regulations of the electric supplier.
- Ensure that only a trained technician electricians connects the unit.
- Ensure that the electrical system is earthed by a protective earthing conductor.
- Note the information on the nameplate.

Danger of electric shock from live components.

- Prior to working on the electrical system switch off the unit.
Disconnect electrical power from the unit.
Check to ensure the system is dead
- Use only insulated tools.

Additional connection work Risk of physical damage and personal injury from improper connection

- Prior to working on the unit switch off the unit disconnect the unit from electrical power to prevent power from being switched on again.
Check to ensure electrical power has been removed from the unit.

Commissioning Risk of property damage and personal injury from improper commissioning

- Put the unit into service only after it has reached room temperature.

3 Description of the unit

3.1 Overview of the unit

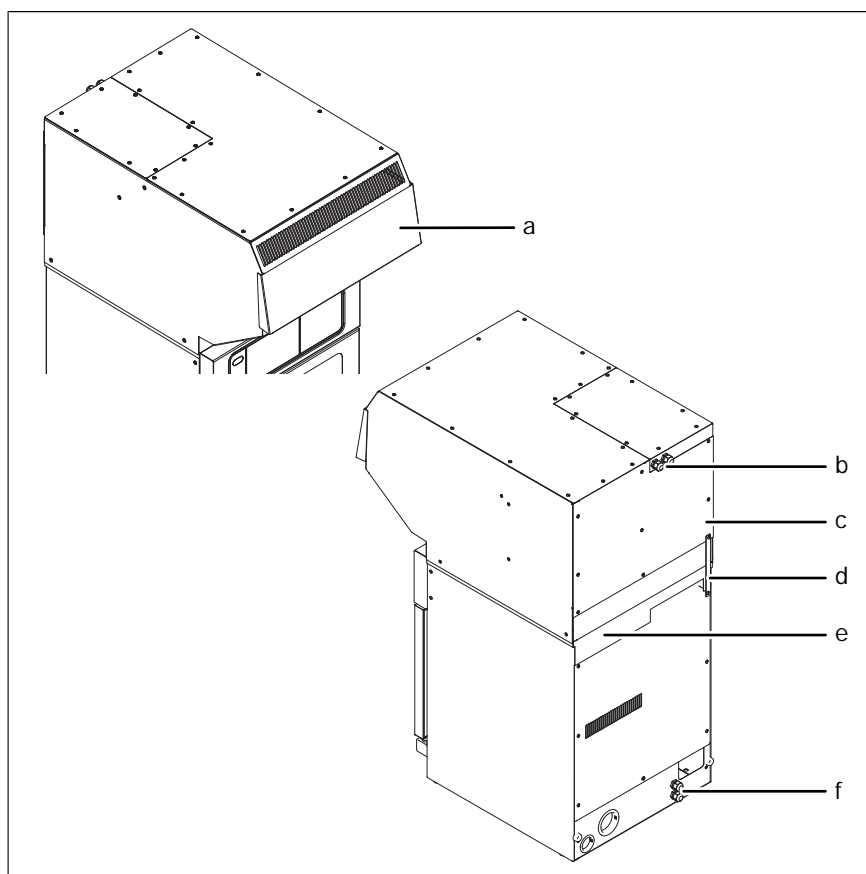


Image: Ventless hood

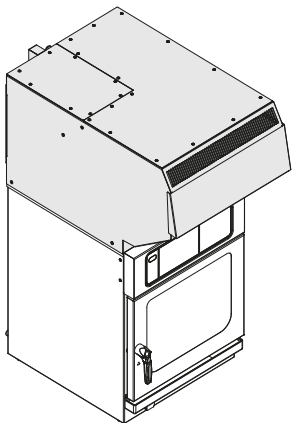
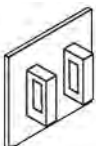

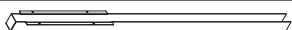
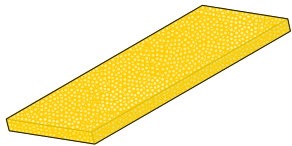
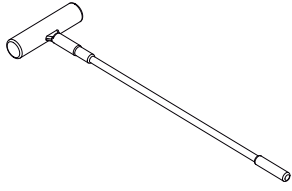

- | | |
|---|--|
| a Filter drawer | d Connecting piece |
| b Threaded cable connection for ventless hood | e Nameplate |
| c Potential equalization | f Threaded cable connection for Combisteamer |

3.2 Scope of delivery

Prior to the installation, check parts for completeness and transport damage.

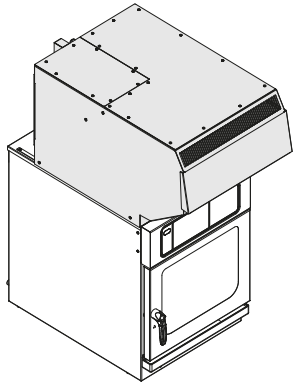
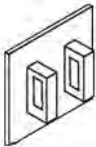

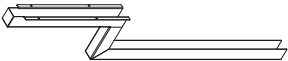
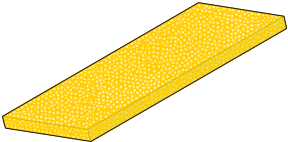
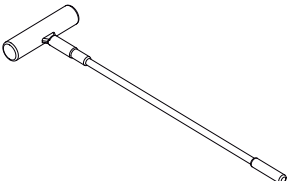

The following parts are included in delivery.

Scope of delivery - Ventless hood 10017202

Part	Quantity	Designation	Part number
	1	Ventless hood with grease filter, yellow filter pad in holder, air filter, activated charcoal filter	
	10	Adhesive base	203650
	10	Cable ties	203618
	1	Control cable cover	10017712
	1	Filter mat, yellow (replacement)	10016578
	1	Cleaning brush	10016948
	4	Screw	

Description of the unit

Scope of delivery - Ventless hood 10017243

Part	Quantity	Designation	Part number
	1	Ventless hood with grease filter, yellow filter pad in holder, air filter, activated charcoal filter	
	10	Adhesive base	203650
	10	Cable ties	203618
	1	Control cable cover	10017708
	1	Filter mat, yellow (replacement)	10016578
	1	Cleaning brush	10016948
	4	Screw	

3.3 Unit and connection data

Ventless hood	
Dimensions	
Unit Length x Width x Height (inches)	33.62 x 22.44x 18.98
Unit with packaging Length x Width x Height (inches)	36.22x 24.41x 21.65
Weight	
Unit (lbs.)	66.14
Operating environment	
Temperature (° F)	41 — 104
Relative humidity (%) non-condensing	95
Noise level (db(A))	< 65
Electrical connection	
Protection class	IPX5
Type of connection	1NPE AC 50/60 Hz
Voltage (V)	120
Connected load (kW)	0.4
Fuse (A)	16
Voltage (V)	208 — 240
Type of connection	2PE AC 50/60 Hz
Connected load (kW)	0.4
Fuse (A)	16

3.4 Minimum clearances

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

- Left, right and behind: at least 2 inches.
- To ceilings: at least 2 inches.
- There must be no water, gas or electric lines in the ceiling above the unit.

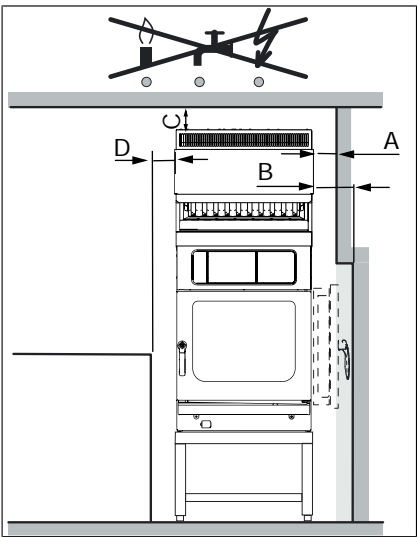


Image: Minimum clearances to walls, ceiling or units

A	B	C	D
2	4	2	2
All dimensions in inches			

4 Transporting the 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 to the installation site

CAUTION

Risk of property damage and personnel injury from tipping unit

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

NOTICE

Risk of property 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.

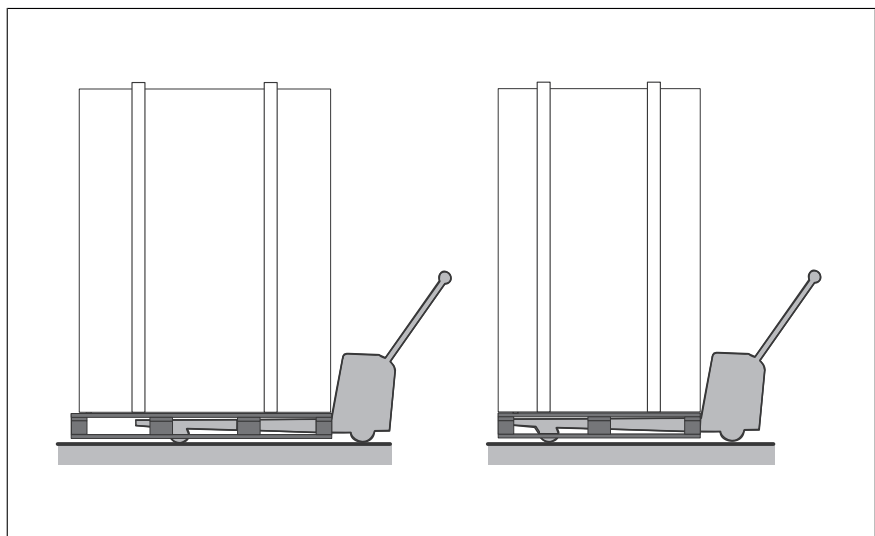


Image: Lengthwise and crosswise transport on pallet

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

4.2 Unpacking the unit

CAUTION**Risk of injury from sharp edges**

- Wear protective gloves.
-

INFORMATION

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. Clean the unit with warm water and a commercially available detergent.
4. Separate and dispose of the packaging material.

5 Connecting the unit

5.1 Connecting the connection line to the ventless hood

INFORMATION

The control cable between the Combisteamer and the ventless hood is connected at the factory. A plug-in connection is provided for disconnection. Connectors are attached to the control cable at the factory.

The cable is fastened to the hang-in frame in the Combisteamer.

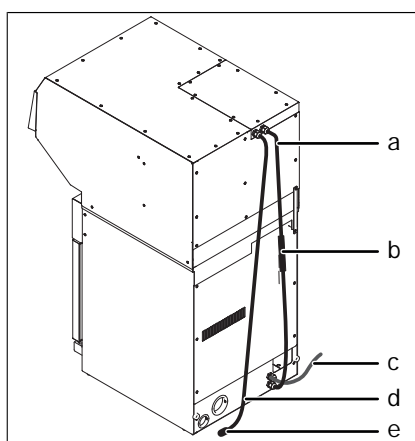


Image: Control cable and connection line

- a Control line
- b Plug-in connection
- c Connection line (Combisteamer)
- d Connection line (ventless hood)
- e Connection line connector (ventless hood)

After fitting the ventless hood on the Combisteamer

Prerequisite Electrical connection line dead

1. Attach the plug-in connection.
2. Use adhesive base and cable ties to secure control cable and connection line to the unit.
3. Attach control cable cover (see "Installing the unit").
4. Use adhesive base and cable ties to secure connection line to the unit.
5. Plug connection line connector for ventless hood into socket.
6. Connect Combisteamer (see Combisteamer installation instructions).
7. Fill out the start-up operation report.

5.2 Making the electrical connection

- Ensure that only electricians licensed by the electric supplier connect the unit.
- Note the information on the nameplate.
- Observe applicable regional regulations of the electric supplier.

5.2.1 Connecting to the electrical supply mains

Electrical connection line

Minimum requirements for the unit's electrical connection line to the electrical supply mains:

Connection	Electrical connection line
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 connector.	
Permanent connection for fixed installation with a hard-wired line directly connected to the unit.	PVC sheathed cable for permanent installation in buildings or damp and wet rooms.

Plug-in connection

CAUTION

Risk of property damage and personal injury from improper installation

- The plug-in connection must be readily accessible.

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

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

Fault current device

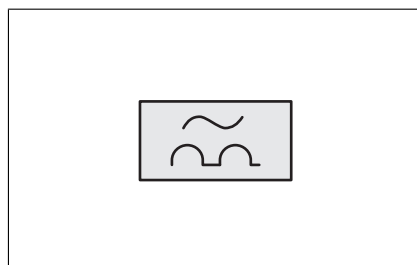


Image: RCD switch type A circuit symbol

The unit can be connected to a fault current device.

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

5.2.2 Connecting the connection line

1. Plug connection line connector into socket.
2. Fill out the start-up operation report.

5.2.3 Connecting the potential equalization

Potential equalization

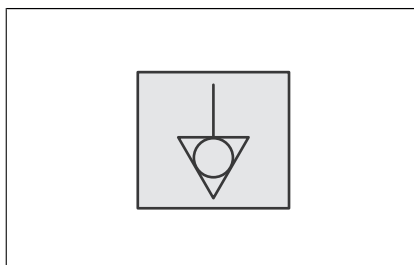


Image: Potential equalization symbol

The unit must be included in a potential equalization system by means of appropriately sized wiring.

1. Route and connect the potential equalization line to the marked connection.
2. Fill out the Start-up operation report.

6 Assembling the unit

CAUTION

Risk of injury from sharp edges

- Wear protective gloves.

CAUTION

Risk of crushing from improper installation

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

CAUTION

Risk of falling from unstable climbing aids

- Use only approved ladders or step stools as climbing aids.

CAUTION

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

- Observe applicable regional fire prevention regulations.

CAUTION

Danger due to heavy weight of the unit

- Place the unit on the Combisteamer with the help of several persons.
- Raise / lower the unit with suitable lifting equipment.

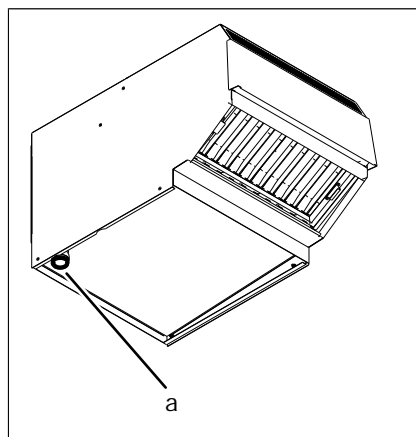


Image: Seal for exhaust air pipe

a Seal for exhaust air pipe

Prerequisite Unit unpacked

1. Check seal for integrity and correct seating.
2. Apply suitable slip agent to the seal.

6.1 Placing the ventless hood onto the SpaceSaver Plus

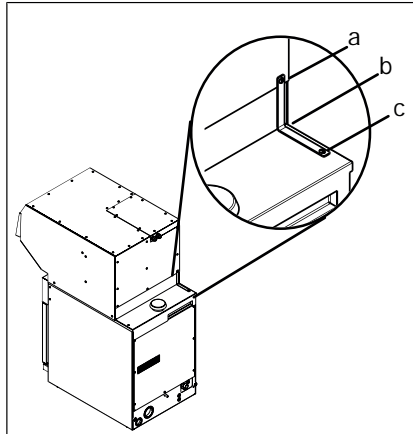


Image: Attaching to SpaceSaver Plus

- a Screw for ventless hood
- b Mounting bracket
- c Screw for combisteamer

Prerequisite Unit disconnected from the electric mains

1. Place the ventless hood on the combisteamer.
 2. Align the ventless hood to be flush with the front and sides of the combisteamer.
 3. Remove the screw for the ventless hood.
 4. Remove the screw for the combisteamer.
 5. Position the mounting bracket.
 6. Reinstall both screws.
 7. Remove the grease filter.
 8. Remove the filter drawer.
 9. Check that the activated charcoal filter at the back of the ventless hood is seated securely.
 10. Reinstall the filter drawer.
 11. Reinstall the grease filter.
- ↳ The ventless hood is now attached to the combisteamer.

6.2 Attaching the control cable cover to the SpaceSaver Plus

INFORMATION

Ensure that no lines are pinched.

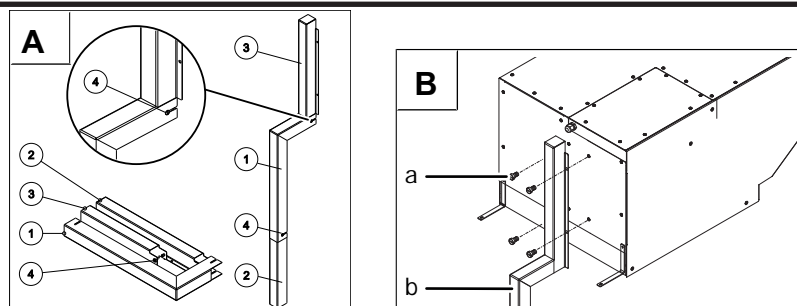


Image A: Mounting the control cable cover, Image B: Attaching the control cable cover

- 1-3 Parts control cable cover
- 4 Bolts control cable cover

- a Bolts
- b Control cable cover

Prerequisite Electrical connection line dead

Control cable connected

Ventless hood placed on Combisteamer

1. Mount the control cable cover.
2. Place control cable in control cable cover.
3. Place control cable cover on rear wall of ventless hood.
 - ↳ Ensure that cable is positioned correctly.
4. Press on control cable cover.
5. Screw in the screws.
 - ↳ The control cable cover is fastened to the ventless hood.

6.3 Placing the ventless hood onto the SpaceSaver

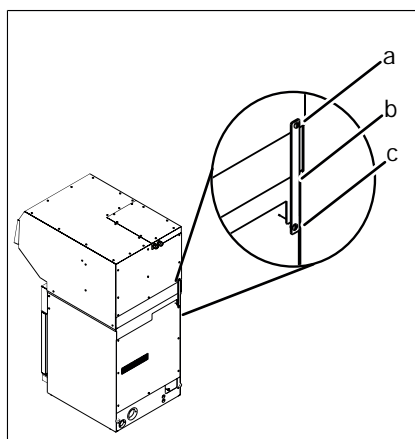


Image: Attaching to SpaceSaver

- a Screw for ventless hood
- b Mounting plate
- c Screw for combisteamer

Prerequisite Unit disconnected from the electric mains

1. Place the ventless hood on the combisteamer.
 2. Align the ventless hood to be flush with the rear and sides of the combisteamer.
 3. Remove the screw for the ventless hood.
 4. Remove the screw for the combisteamer.
 5. Position the mounting plate.
 6. Reinstall both screws.
 7. Remove the grease filter
 8. Remove the filter drawer.
 9. Check that the activated charcoal filter at the back is seated securely.
 10. Reinstall the filter drawer.
 11. Reinstall the grease filter.
- ↳ The ventless hood is now attached to the combisteamer.

6.4 Attaching the control cable cover to the SpaceSaver

INFORMATION

Ensure that no lines are pinched.

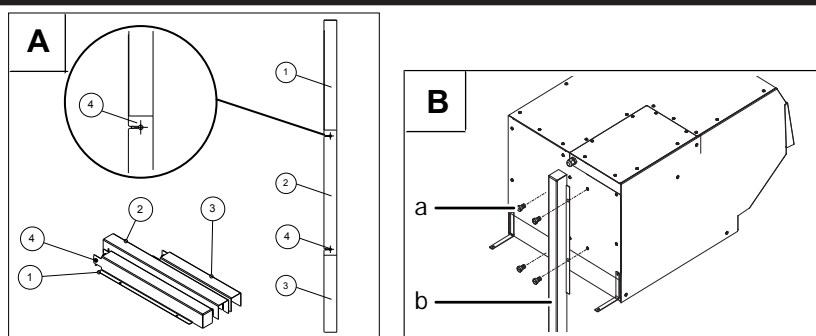


Image A: Mounting the control cable cover, Image B: Attaching the control cable cover

1-3 Parts control cable cover
4 Bolts control cable cover

a Bolts
b Control cable cover

Prerequisite Electrical connection line dead
Control cable connected
Ventless hood placed on Combisteamer

1. Mount the control cable cover.
2. Place control cable in control cable cover.
3. Place control cable cover on rear wall of ventless hood.
↳ Ensure that cable is positioned correctly.
4. Press on control cable cover.
5. Screw in the screws.
↳ The control cable cover is fastened to the ventless hood.

7 Checking the function

7.1 SpaceSaver Plus

Prerequisite Connection line for ventless hood connected
Control cable for ventless hood connected
Control cable cover attached
Connection line for Combisteamer connected
Cooking chamber door closed

1. Switch on the Combisteamer.
 - ↳ Ventless hood fan runs continuously.
2. Open cooking chamber door.
 - ↳ Ventless hood fans run faster.
- ↳ Ventless hood is connected correctly.
3. Fill out the start-up operation report.

7.2 SpaceSaver

Prerequisite Connection line for ventless hood connected
Control cable for ventless hood connected
Control cable cover attached
Connection line for Combisteamer connected
Cooking chamber door closed

1. Switch on the Combisteamer.
 - ↳ Ventless hood fan runs continuously.
- ↳ Ventless hood is connected correctly.
2. Fill out the start-up operation report.

8 Putting the unit into service

Prerequisite Electrical connection made

Exhaust air connection made (if required by the customer)

Housing closed

Control cable cover attached

1. Instruct operator.
2. Fill out the start-up operation report at the end of this manual.

8.1 Filling out the Start-up operation report

General information	Yes	No
Information from the nameplate entered?	<input type="checkbox"/>	<input type="checkbox"/>
SN: _____ Typ: _____		
E: _____		
Bez: _____		
Item-Nr.: _____ (if listed)		

Electrical connection	Yes	No
Electrical connection made properly?	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Potential equalization		
<input type="checkbox"/> Power optimization system		
<input type="checkbox"/> Potential-free contact		
<input type="checkbox"/> ...		
Electrical connections made properly?	<input type="checkbox"/>	<input type="checkbox"/>
Fault current device connected directly before this unit?	<input type="checkbox"/>	<input type="checkbox"/>
Fault current device connected before this and other units?	<input type="checkbox"/>	<input type="checkbox"/>
Connector attached in a technically correct manner?	<input type="checkbox"/>	<input type="checkbox"/>

Function check	Yes	No
Controls functioning?	<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"/>

Putting the unit into service

Electrical installation was made by:			
Company	Installation fitter	Place, date	Signature

Operator was trained by:			
Company	Installation fitter	Place, date	Signature



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