



ConvoVent 4 / ConvoVent 4+



Read instructions before use

Convotherm 4 hoods

Operating and installation instructions - Original, ENG

Your meal. Our mission.



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1 General information

Purpose of this chapter

This chapter shows you how to identify your appliance and provides guidance on using this manual.

Contents

This chapter includes the following topics

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1.1 EC Declaration of Conformity in compliance with Directive 2006/42/EC, Annex II A

Manufacturer

Convotherm Elektrogeräte GmbH, Ovens & Advanced Cooking EMEA, Manitowoc Foodservice, Talstraße 35, 82436 Eglfing, Germany

Validity of Declaration of Conformity

This Declaration of Conformity applies to the following condensation hoods:

ConvoVent 4	6.10/10.10	6.20/10.20	20.10	12.20/20.20	STK 6.10/10.10	STK 6.20/10.20
ConvoVent 4+	6.10/10.10	6.20/10.20	20.10	12.20/20.20	STK 6.10/10.10	STK 6.20/10.20

Declaration of Conformity with directives and standards

The manufacturer hereby declares that the condensation hoods listed above comply with the following directives:

- 2006/42/EC (Machinery Directive)
- 2004/108/EC (EMC Directive)
- 2011/65/EU (RoHS Directive)
- The safety objectives of European Directive 2006/95/EC (Low Voltage Directive) have been met in accordance with Annex I, Section 1.5.1 of the Machinery Directive.

Compliance of electrical appliances with standards:

The electrical appliances comply with the requirements in the following European standards:

- DIN EN 60335-2-99: 2012
- EN 55014-1: 2006 + A1: 2009 + A2: 2011
- EN 61000-3-11: 2000
- EN 61000-3-12: 2011
- EN 62233: 2008
- EN 55014-2: 1997 + A1: 2001 + A2: 2008

Authorized body for documentation

The following body is authorized to compile the technical documentation in accordance with Annex II A Section 2 of Directive 2006/42/EC: Convotherm Elektrogeräte GmbH, Ovens & Advanced Cooking EMEA, Manitowoc Foodservice, Talstraße 35, 82436 Eglfing, Germany

Eglfing, 11.08.2014



Dr. Martin Behle

Vice President & General Manager
Ovens & Advanced Cooking - EMEA



pp Lutz Isenhardt

Technical Director ETC - EMEA



pp Gisela Rosenkranz

Manager Technical Documentation

1.2 Environmental protection

Statement of principles

Our customers' expectations, the legal regulations and standards and our company's own reputation set the quality and service for all our products.

We have an environmental management policy that not only ensures compliance with all environmental regulations and laws, but also commits us to continuous improvement of our green credentials.

We have developed a quality and environmental-management system in order to guarantee the continued manufacture of high-quality products, and to be sure of meeting our environmental targets.

This system satisfies the requirements of ISO 9001:2008 and ISO 14001:2004.

Environmental protection procedures

We observe the following procedures:

- Use of residue-free compostable wadding materials
- Use of RoHS-compliant products
- REACH chemical law
- Recommendation and use of bio-degradable cleaning agents
- Recycling of electronic waste
- Environmentally friendly disposal of old appliances via the manufacturer

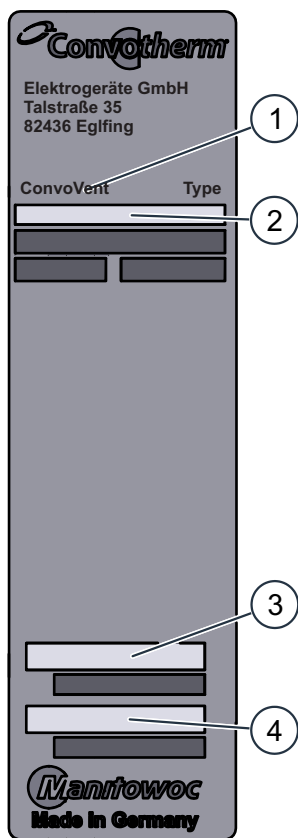
Join us in our commitment to protect the environment.

1.3 Identifying your condensation hood

Position of type plate

The type plate is located on the left-hand side of the condensation hood.

Layout and structure of the type plate



Item	Name	
1	Name of appliance ConvoVent	
2	Trade name	
	Element	Meaning
	ConvoVent	Hood for Convotherm 4
	4	Condensation hood with steam separator
	4+	Condensation hood with grease trap and fume filter
	Digits xx.yy / xx.yy	Appliance size
	EL	Electrical unit
3	Part number	
4	Serial number	
	Element	Meaning
	Hood type	Condensation hood (KH)
	Sequential number	3 digits

List of matching Convotherm combi steamers

Use the table below to identify your hood and the matching combi steamer from the trade name on the type plate:

Part number	Condensation hood model	For combi steamer model
3455870	ConvoVent 4	ES/EB C4 6.10/10.10
3455871	ConvoVent 4	ES/EB C4 6.20/10.20
3455872	ConvoVent 4	ES/EB C4 20.10
3455873	ConvoVent 4	ES/EB C4 12.20/20.20
3455874	ConvoVent 4 for use in the stacking kit	Stacking kit combination ES/EB C4 6.10/10.10
3455875	ConvoVent 4 for use in the stacking kit	Stacking kit combination ES/EB C4 6.20/10.20
3455876	ConvoVent 4+	ES/EB C4 6.10/10.10
3455877	ConvoVent 4+	ES/EB C4 6.20/10.20
3455878	ConvoVent 4+	ES/EB C4 20.10
3455879	ConvoVent 4+	ES/EB C4 12.20/20.20
3455880	ConvoVent 4+ for use in the stacking kit	Stacking kit combination ES/EB C4 6.10/10.10
3455881	ConvoVent 4+ for use in the stacking kit	Stacking kit combination ES/EB C4 6.20/10.20
Optional	Accessory	For hood model
3455892	Front condenser 6.10/10.10/20.10	ConvoVent 4 for 6.10/10.10/20.10
3455893	Front condenser 6.20/10.20/12.20/20.20	ConvoVent 4 for 6.20/10.20/12.20/20.20
3455894	Lighting unit for ConvoVent 4/4+	ConvoVent 4/4+ for 6.10/10.10/20.10
3455895	Lighting unit for ConvoVent 4/4+	ConvoVent 4/4+ for 6.20/10.20/12.20/20.20

1.4 About this operating and installation manual

Purpose

This manual provides answers to the following questions:

- How can I use the hood?
- How do I install the hood?

Who should read this manual

This operating and installation manual is aimed at the following groups:

- Chef
- User
- Installation engineer

The target groups must have the qualifications listed in "*Requirements to be met by personnel*".

Layout of the operating instructions

The table below lists the chapters in these operating instructions and summarizes their content, purpose, and target groups:

Chapter/section	Purpose
General information	<ul style="list-style-type: none">▪ Shows you how to identify your hood▪ Provides guidance on using this user and installation manual.
Design and function	<ul style="list-style-type: none">▪ Specifies the intended use of the hood▪ Explains the functions of the hood and shows the position of its components▪ Summarizes the technical data
For your safety	Describes the hazards posed by the hood and suitable preventive actions You should read this chapter carefully in particular.
Operation	Contains instructions for the operating procedures used with the hood
Cleaning and Servicing	<ul style="list-style-type: none">▪ Contains the cleaning instructions▪ Contains the servicing schedule where relevant to the user▪ Contains cleaning instructions
How to do it correctly	Contains instructions for regularly used operating procedures for the hood
Moving and setting up the appliance	<ul style="list-style-type: none">▪ Specifies the basic appliance dimensions▪ Specifies requirements for the installation site▪ Provides information on conveying the appliance to the installation site, unpacking and setting up
Connecting up the appliance	<ul style="list-style-type: none">▪ Provides information on the electrical installation▪ Explains the functions of selected components in the hood and shows their position
Preparing for first-time use, taking out of service and disposal	<ul style="list-style-type: none">▪ Explains the procedure for preparing the appliance for first-time use▪ Explains the procedure for taking the appliance out of use▪ Contains disposal instructions

Form of warning notices

The warning notices are categorized according to the following hazard levels:

Hazard level	Consequences	Likelihood
 DANGER	Death / serious injury (irreversible)	Immediate risk
 WARNING	Death / serious injury (irreversible)	Potential risk
 CAUTION	Minor injury (reversible)	Potential risk
NOTICE	Damage to property	Potential risk

Notation for decimal points

A decimal point is always used in order to achieve international standardization.

1.5 Intended use of your hood

Intended use

The hood must only be used for the purposes specified below:

- The hood is exclusively designed for condensing steam and vapour from combi steamers.
- The hood is designed for combi steamers in the following model series: C4 ES 6.10, 10.10, 6.20, 10.20, 20.10, 12.20, 20.20 and C4 EB 6.10, 10.10, 6.20, 10.20, 20.10, 12.20, 20.20. The hood is also designed for STK C4 ES/EB 6.10/10.10 and STK C4 ES/EB 6.20/10.20.
- The hood is intended solely for professional, commercial use.
- The ambient temperature must lie between 4°C and 35°C.
- The hood does not need to be connected directly to a ventilation system as the exhaust air from the combi steamer is condensed by a condensation unit and by baffle filters, mist collectors and secondary filters (ConvoVent 4: steam separator, ConvoVent 4+: fine particle filter).
- The hood is connected to the combi steamer controller to enable communication and relevant control.

In addition, the hood is only being used as intended when the following conditions are met:

- To avoid accidents and any damage to the hood, the owner must train staff on a regular basis. The hood must be operated only by trained staff.
- The manufacturer regulations for operation and servicing of the hood must be observed.

Restrictions on use

The following restriction on use must be observed:

- The hood improves the environment in the kitchen but is no substitute for an air ventilation system.
- The hood must only be operated when all safety devices are fitted and in working order.
- The hood must not be used with mobile combi steamers (stand on castors).

Requirements to be met by personnel

The following requirements must be met by personnel:

- The hood must only be operated by trained personnel only.

Requirements relating to the operating condition of the condensation hood

The following requirements relating to the operating condition of the hood must be met:

- The hood must only be operated when all safety devices are working correctly.
- The hood must only be operated when all covers are fitted correctly.
- The hood must only be operated when the baffle filters and mist collectors are fitted correctly.

Requirements relating to the operating environment of the condensation hood

The following requirements relating to the operating environment of the condensation hood must be met:

- The hood must not be operated if the national and local regulations regarding ventilation and discharge, or the specific requirements for the relevant cooking equipment, are not complied with.
- The hood must not be operated in the vicinity of flammable gases or liquids.
- The hood must not be operated in toxic or potentially explosive atmospheres.
- The kitchen floor must be kept dry to reduce the risk of accidents.

Cleaning requirements

The following requirements must be met during cleaning:

- The combi steamer and the hood must be disconnected from the power supply in order to clean the hood.
- It is only permitted to use the following materials:
 - Common household, non-alkaline detergent that is gentle on the skin and is pH-neutral
- High-pressure cleaners, sprinklers or water jets must not be used for cleaning.
- The hood must not be treated with acids or exposed to acid fumes.

1.6 ConvoVent 4 technical data

Dimensions and weights

The following table shows appliance dimensions and weights:

		6.10 / 10.10	6.20 / 10.20	20.10	12.20 / 20.20	STK 6.10 / 10.10	STK 6.20 / 10.20
Width							
including packaging	[mm]	960	1200	960	1200	960	1200
excluding packaging	[mm]	877	1122	892	1137	877	1122
Depth							
including packaging	[mm]	1150	1350	1150	1350	1150	1350
excluding packaging	[mm]	1085	1285	1086	1285	1085	1285
Height							
including packaging	[mm]	440	440	440	440	440	440
excluding packaging	[mm]	240	240	240	240	240	240
Weight							
including packaging	[kg]	72	103	73	104	74	105
excluding packaging	[kg]	66	96	67	97	68	98
Safety clearances for hood							
rear	[mm]	100	100	100	100	100	100
left	[mm]	50	50	50	50	50	50
top	[mm]	500	500	500	500	500	500

Material

Stainless steel

Electrical connected load ratings

The following table shows the electrical connected load ratings:

		6.10 / 10.10	6.20 / 10.20	20.10	12.20 / 20.20	STK 6.10 / 10.10	STK 6.20 / 10.20
1N~ 200-240V 50/60Hz							
Rated power consumption	[W]	130-260	130-260	130-260	130-260	130-260	130-260
Rated current	[A]	1.0-1.9	1.0-1.9	1.0-1.9	1.0-1.9	1.0-1.9	1.0-1.9
Fuse rating	[A]	2.5	2.5	2.5	2.5	2.5	2.5

Appliance technical standards

The following table shows the technical standards for the appliance:

		6.10 / 10.10	6.20 / 10.20	20.10	12.20 / 20.20	STK 6.10 / 10.10	STK 6.20 / 10.20
Degree of protection		IPX 5	IPX 5	IPX 5	IPX 5	IPX 5	IPX 5
Approval mark		CE, CB, TÜV GS	CE, CB, TÜV GS	CE, CB, TÜV GS	CE, CB, TÜV GS	CE, CB, TÜV GS	CE, CB, TÜV GS
Maximum noise emission	dB (A)	64			63	64	
Air flow rate (full speed)	m³/h	675			840	675	
Air flow rate (reduced speed)	m³/h	550			630	550	

Notice

The IPX5 degree of protection for the hood does not include the power cable / socket.

1.7 ConvoVent 4+ technical data

Dimensions and weights

The following table shows appliance dimensions and weights:

		6.10 / 10.10	6.20 / 10.20	20.10	12.20 / 20.20	STK 6.10 / 10.10	STK 6.20/10.20
Width							
including packaging	[mm]	960	1200	960	1200	960	1200
excluding packaging	[mm]	877	1122	892	1137	877	1122
Depth							
including packaging	[mm]	1150	1350	1150	1350	1150	1350
excluding packaging	[mm]	1085	1285	1086	1285	1085	1285
Height							
including packaging	[mm]	570	570	570	570	570	570
excluding packaging	[mm]	373	373	373	373	373	373
Weight							
including packaging	[kg]	91	127	92	128	95	131
excluding packaging	[kg]	85	119	86	120	89	123
Safety clearances for hood							
rear	[mm]	100	100	100	100	100	100
left	[mm]	50	50	50	50	50	50
top	[mm]	500	500	500	500	500	500

Material

Stainless steel

Electrical connected load ratings

The following table shows the electrical connected load ratings:

		6.10 / 10.10	6.20 / 10.20	20.10	12.20 / 20.20	STK 6.10 / 10.10	STK 6.20/10.20
1N~ 200-240V 50/60Hz							
Rated power consumption	[W]	130-260	130-260	130-260	130-260	130-260	130-260
Rated current	[A]	1.0-1.9	1.0-1.9	1.0-1.9	1.0-1.9	1.0-1.9	1.0-1.9
Fuse rating	[A]	2.5	2.5	2.5	2.5	2.5	2.5

Appliance technical standards

The following table shows the technical standards for the appliance:

		6.10 / 10.10	6.20 / 10.20	20.10	12.20 / 20.20	STK 6.10 / 10.10	STK 6.20/10.20
Degree of protection		IPX 5	IPX 5	IPX 5	IPX 5	IPX 5	IPX 5
Approval mark		CE, CB, TÜV GS	CE, CB, TÜV GS	CE, CB, TÜV GS	CE, CB, TÜV GS	CE, CB, TÜV GS	CE, CB, TÜV GS
Maximum noise emission	dB (A)	63			62	63	
Air flow rate (full speed)	m³/h	500			795	500	
Air flow rate (reduced speed)	m³/h	390			590	390	

Notice

The IPX5 degree of protection for the hood does not include the power cable / socket.

2 For your safety

Purpose of this chapter

This chapter provides you with all the information you need in order to use the appliance safely without putting yourself or others at risk.

You should read this chapter carefully in particular.

Contents

This chapter contains the following topics:

	Page
Basic safety code	17
Warnings on the condensation hood	18
Summary of hazards	19
Additional hazards and safety precautions	21
Safety devices	26
Requirements to be met by personnel, working positions	27
Personal protective equipment	28

2.1 Basic safety code

Object of this safety code

This safety code aims to ensure that all persons using the appliance have a thorough knowledge of the hazards and safety precautions and that they follow the safety directions given in the operating instructions and on the appliance. If you do not follow this safety code, you risk potentially fatal injury and property damage.

Working with the operating instructions

Follow the instructions below:

- Read in full the Safety chapter and chapters that relate to your work.
- Always keep the operating instructions to hand for reference.
- Pass on the operating instructions with the appliance if it changes owners.

Working with the appliance

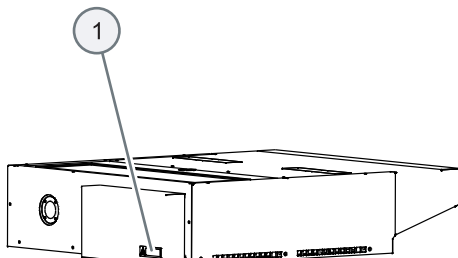
Follow the instructions below:

- Only people who satisfy the requirements set forth in these operating instructions are allowed to use the appliance.
- People (including children) who, because of their physical, sensory or intellectual capabilities, or because of their lack of experience or knowledge, are incapable of using the appliance safely, must not use this equipment without the supervision or guidance of a responsible person.
- Use the appliance only for its specified use. Never, under any circumstances, use the appliance for any other purposes that might seem self-evident.
- Take all the safety precautions specified in these operating instructions and on the appliance. In particular, use the prescribed personal protective equipment.
- Only stand in the working positions specified.
- Do not make any changes to the appliance, e.g. do not remove parts or install non-approved parts. In particular, you must not disable any safety devices.

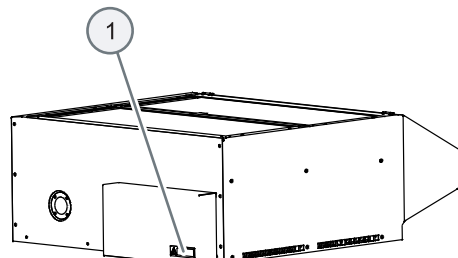
2.2 Warnings on the condensation hood

Where are the warning signs fitted?

The figure below shows a size 6.10 condensation hood as an example of all condensation hoods:



ConvoVent 4



ConvoVent 4+

Warnings on the rear panel

The following warning signs must be attached to the condensation hood in the area indicated so as to be easily visible at all times.

Area	Warning sign	Description
1		Warning of dangerous electric voltage / electric shock. There is a risk of electric shock from live parts if the safety cover is opened.

2.3 Summary of hazards

General rules for dealing with hazards and safety precautions

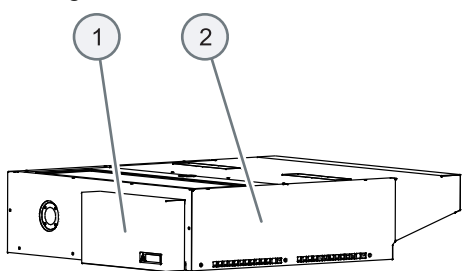
The appliance is designed to protect the user from all hazards that can reasonably be avoided by design measures.

The actual purpose of the appliance, however, means that there are still residual risks; you must therefore take precautions to avoid them. A safety device can provide you with a certain degree of protection against some of these hazards. You must ensure, however, that these safety devices are in place and in working order.

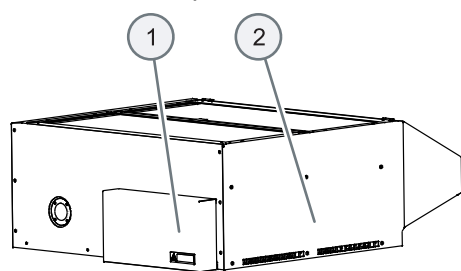
The nature of these residual risks and what effect they have are described below.

Hazard points

The figure below shows a size 6.10 condensation hood as an example of all condensation hoods:



ConvoVent 4



ConvoVent 4+

Item	Name
1	Mounting plate cover
2	Appliance cover

Damaged power cable

The appliance's power cable may become damaged during transit. This poses:

- A risk of electric shock from damaged power cable.

Live parts

The appliance contains live parts. This poses:

- A risk of electric shock if covers are not in place.
- Risk of electric shock caused by a short-circuit when spraying water on the appliance.

Missing equipotential bonding

No equipotential bonding installed. This poses:

- A risk of electric shock when the hood is not incorporated into the equipotential bonding of the combi steamer.

Clogged filters and case components

Sparks can ignite grease if the filters and accessible case parts have not been cleaned adequately. This poses:

- Grease fire hazard due to insufficient cleaning.

Hot steam / vapour

The combi steamer generates hot steam and vapour that escape when the appliance door is opened. This poses:

- A risk of scalding from hot steam when the appliance door is opened. You are protected from hot steam by the appliance door itself.

Hot components

Touching the baffle filters, mist collectors or inside surfaces directly after opening the appliance door or if the hood is fitted on the appliance but not yet in operation (no mains connection) poses:

- A risk of burns from hot components.

Condensation collection

The hood is fitted on the appliance but not yet in operation. This poses:

- A risk of mold formation from condensation collecting inside the appliance.

Overstressing your body

If a single person tries to lift the appliance by himself/herself, the appliance's weight may lead to:

- A risk of injury, especially in the area of the torso, from incorrect lifting.

Contact with cleaning agents

Cleaning agents can come into direct contact with your skin and eyes. This poses:

- Risk of skin and eye irritation or chemical burns.

Hood falling down

If the hood is not fastened to the combi steamer correctly, the hood may slip and fall down. This poses:

- Risk of crushing various parts of the body from the hood falling down.

Combined units falling over

Mounting the hood on top of the combi steamer increases the risk of the units toppling over. This poses:

- Risk of crushing various parts of the body from the combined units falling over.

Pinching of hands by various activities

For various actions, such as cleaning the appliance, there is the risk that you will pinch your hand.

Rotating fan

The appliance contains a fan. This poses:

- A risk of hand injuries or hair or loose clothing being caught by the rotating fan wheel if the cover is not fitted properly.

Overhang of the hood

The hood extends beyond the combi steamer. This poses:

- Danger of hitting the overhanging hood.

2.4 Additional hazards and safety precautions

Moving and setting up the appliance

When moving and setting up the combi steamer, be aware of the following hazards and take the specified preventive actions:

Danger	Where or in what situations does the hazard arise?	Preventive action / Safety device
Risk of electric shock from live parts	When replacing the ventilation port behind the left side panel of the combi steamer.	<ul style="list-style-type: none"> Work on the electrical system must only be performed by qualified electricians from an authorized service company Professional working <p>Before removing the covers:</p> <ul style="list-style-type: none"> Switch off all connections to the power supply Take protective measures at every power switch to ensure that the power cannot be switched on again. Make sure that the appliance is de-energized
A risk of electric shock from damaged power cable	On the appliance rear	Check the power cable
Risk of injury from over-stressing your body	When setting up and moving the hood	Only with enough people or appropriate tools
Risk of crushing from hood falling down	If installation was carried out incorrectly	<ul style="list-style-type: none"> Secure in place Use the parts intended for this purpose Wear personal protective equipment Exercise caution when performing this action <p>Safety device:</p> <ul style="list-style-type: none"> Securing with fixing screws
	When moving the appliance (within the site)	<ul style="list-style-type: none"> Always use appropriate equipment Secure appliance against tipping over Exercise caution when performing this action Avoid moving appliance along uneven routes or up or down steep slopes.
Risk of crushing from the combined units falling over	When fitting a hood to a combi steamer	<ul style="list-style-type: none"> Check that the combined units cannot tip over Ensure that they are fitted on a horizontal and flat surface
Danger of hitting the overhanging hood	In front of the appliance door	<p>Exercise caution</p> <p>Safety device:</p> <ul style="list-style-type: none"> Adapter for 6.10/6.20
Risk of hands and fingers being pinched	<ul style="list-style-type: none"> When placing the hood in position When fitting the filters When fitting the adapter 	<ul style="list-style-type: none"> Exercise caution when performing this action Wear personal protective equipment Follow the instructions in the manual for installation
Risk of cuts	When breaking out the perforation	<ul style="list-style-type: none"> Exercise caution when performing this action Wear personal protective equipment Follow the instructions in the manual when removing perforated sections, and deburr the section edges

Operation

When operating the combi steamer, be aware of the following hazards and take the specified preventive actions:

Danger	Where or in what situations does the hazard arise?	Preventive action / Safety device
Risk of electric shock caused by moisture entering the wiring compartment	Installation not carried out properly	Follow the instructions in the manual for installation
Risk of scalding from hot steam	<ul style="list-style-type: none"> ▪ In front of the appliance door ▪ In the hood's equipment room 	<ul style="list-style-type: none"> ▪ Check safety device ▪ use safety device ▪ Only reach into the system once it has cooled down Safety device: <ul style="list-style-type: none"> ▪ Venting position of appliance door ▪ High hood fan extraction rate
Grease fire hazard due to insufficient cleaning	Outside the hood	Clean regularly in accordance with the cleaning instructions
A risk of mold formation from condensation collecting inside the appliance	Outside the hood	Make sure the hood is plugged in when the combi steamer is running Safety device: <ul style="list-style-type: none"> ▪ The hood is switched automatically with the combi steamer ▪ Condensate drain
A risk of burns from hot components	Outside and inside the hood	<ul style="list-style-type: none"> ▪ Do not touch the baffle filters, mist collectors or the interior directly after opening the appliance door ▪ If the hood is fitted on the appliance but not yet in operation (no mains connection)
Risk of injuries from rotating fan	Inside the chamber	Checking safety devices Safety device: <ul style="list-style-type: none"> ▪ Cover in front of fans ▪ Baffle filter ▪ Mist collector
Danger of hitting the overhanging hood	In front of the appliance door	Exercise caution Safety device: <ul style="list-style-type: none"> ▪ Adapter for 6.10/6.20

Cleaning

When cleaning the combi steamer, be aware of the following hazards and take the specified preventive actions:

Danger	Where or in what situations does the hazard arise?	Preventive action / Safety device
Risk of electric shock caused by a short-circuit	Outside the hood	<ul style="list-style-type: none"> Do not clean with water jet Disconnect from the power supply before cleaning
Risk of electric shock from live parts	Under the cover	Check safety device
A risk of burns from hot surfaces	Inside the case	<ul style="list-style-type: none"> Allow to cool down before cleaning Wear personal protective equipment
Risk of mold formation due to inadequate cleaning	Outside the hood	Clean regularly in accordance with the cleaning instructions
Risk of skin and eye irritation or chemical burns from contact with cleaning agents	During all cleaning tasks	Wear personal protective equipment
	When corrosive cleaning agents are used	<ul style="list-style-type: none"> Only use common household cleaning agents Wear personal protective equipment
Risk of hand injuries from crushing	<ul style="list-style-type: none"> When cleaning the baffle filters: When cleaning the mist collectors When replacing the secondary filters 	Exercise caution when performing these tasks
Risk of crushing from filters falling out	When fitting and removing the filters	Exercise caution when performing this action
Risk of injuries from rotating fan	Inside the chamber	<ul style="list-style-type: none"> Checking safety devices Disconnect from the power supply before cleaning Safety device: <ul style="list-style-type: none"> Cover in front of fans Baffle filter Mist collector
Danger of hitting the overhanging hood	In front of the appliance door	Exercise caution Safety device: <ul style="list-style-type: none"> Adapter for 6.10/6.20
Risk of cuts	<ul style="list-style-type: none"> Along the edges of the break-outs On the case edges 	<ul style="list-style-type: none"> Exercise caution when performing this action Wear personal protective equipment

Installation, preparing for first-time use, taking out of operation and servicing

When installing or servicing the combi steamer, preparing it for first-time use or taking it out of operation, be aware of the following hazards and take the specified preventive actions:

Danger	Where or in what situations does the hazard arise?	Preventive action / Safety device
Risk of electric shock caused by moisture entering the wiring compartment	Installation not carried out properly	Follow the instructions in the manual for installation
Risk of scalding from hot steam	<ul style="list-style-type: none"> ▪ In front of the appliance door ▪ In the hood's equipment room 	<ul style="list-style-type: none"> ▪ Check safety device ▪ use safety device ▪ Only reach into the system once it has cooled down Safety device: <ul style="list-style-type: none"> ▪ Venting position of appliance door ▪ High hood fan extraction rate
A risk of burns from hot components	Outside and inside the hood	Do not touch the baffle filters, mist collectors or the interior directly after opening the appliance door
Risk of injury from over-stressing your body	When moving the hood	Only with enough people or appropriate tools
Risk of crushing from hood falling down	<ul style="list-style-type: none"> ▪ When the hood is not secured on the combi steamer ▪ When removing or fitting the hood 	<ul style="list-style-type: none"> ▪ Fasten to the combi steamer ▪ Wear personal protective equipment Safety device: <ul style="list-style-type: none"> ▪ Securing with fixing screws
Risk of crushing from the combined units falling over	When fitting a hood to a combi steamer	<ul style="list-style-type: none"> ▪ Check that the combined units cannot tip over ▪ Ensure that they are fitted on a horizontal and flat surface
Risk of electric shock if equipotential bonding not installed	On the appliance and on adjacent metal parts	Incorporate hood in an equipotential bonding system Safety device: <ul style="list-style-type: none"> ▪ Equipotential bonding system

Danger	Where or in what situations does the hazard arise?	Preventive action / Safety device
Risk of electric shock from live parts	<ul style="list-style-type: none"> ▪ Under the cover of the hood ▪ Behind the left side panel of the combi steamer ▪ When replacing the fuses 	<ul style="list-style-type: none"> ▪ Work on the electrical system must only be performed by authorized customer service engineers ▪ Professional working ▪ Disconnect power supply before removing the cover ▪ Take protective measures to ensure the power cannot be switched on again ▪ Make sure that the appliance is de-energized
A risk of electric shock from damaged power cable	On the appliance rear	Check the power cable
Risk of injuries from rotating fan	Inside the chamber	<ul style="list-style-type: none"> ▪ Checking safety devices ▪ Disconnect from the power supply before carrying out installation and servicing work Safety device: <ul style="list-style-type: none"> ▪ Cover in front of fans ▪ Baffle filter ▪ Mist collector
Danger of hitting the overhanging hood	In front of the appliance door	Exercise caution Safety device: <ul style="list-style-type: none"> ▪ Adapter for 6.10/6.20
Risk of cuts	<ul style="list-style-type: none"> ▪ Along the edges of the break-outs ▪ On the case edges 	<ul style="list-style-type: none"> ▪ Exercise caution when performing this action ▪ Wear personal protective equipment

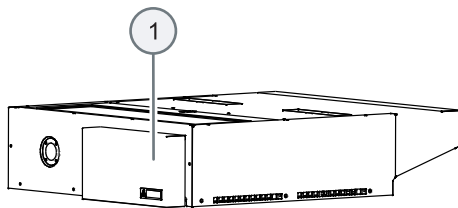
2.5 Safety devices

Meaning

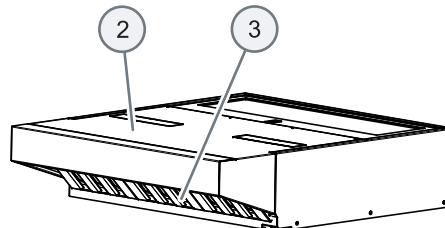
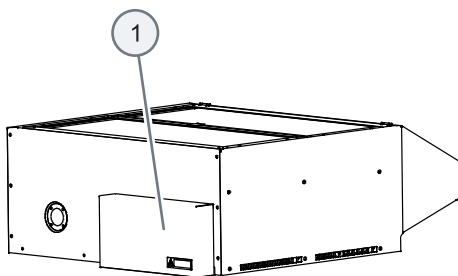
The hood has a number of safety devices to protect the user from hazards. It is absolutely essential that all safety devices are fitted and in working order when operating the hood.

Position

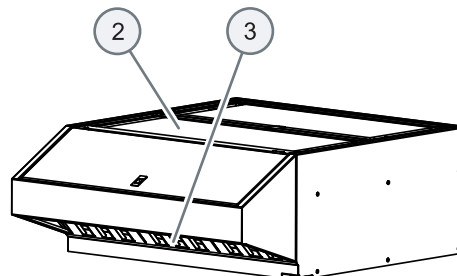
The following diagram shows the location of the safety devices:



ConvoVent 4



ConvoVent 4+



Functions

The following table enumerates all the safety devices on the hood, explains their function, and describes the check procedure:

Item	Safety device	Function	Check
1	The mounting plate cover can only be removed with tools	Prevents live parts from being touched accidentally	Check that the cover is in place
2	Cover can only be removed using tools	Prevents access to the moving fan wheel	Check that the cover is in place
3	Baffle filter	Prevents contact with hot parts inside the hood	Check that the baffle filters are in place
4 (no picture)	Steam condensation	<ul style="list-style-type: none"> ▪ Low fan extraction rate ▪ High fan extraction rate 	Check whether the fan is running

2.6 Requirements to be met by personnel, working positions

Requirements to be met by personnel

People using the hood must meet the following requirements:

Personnel	Qualifications	Tasks
Chef	<ul style="list-style-type: none">▪ Has relevant professional training▪ Knows relevant national food legislation and regulations, plus hygiene legislation and regulations▪ Trained in how to operate the hood	<ul style="list-style-type: none">▪ Turning the hood on / off▪ Cleaning the hood
User	<ul style="list-style-type: none">▪ Semi-skilled▪ Trained in how to operate the hood	<ul style="list-style-type: none">▪ Turning the hood on / off▪ Cleaning the hood▪ Minor servicing tasks
Installation engineer	<ul style="list-style-type: none">▪ Is an authorized customer service engineer▪ Has relevant professional training▪ Is a qualified electrician▪ Knows national laws and regulations	<ul style="list-style-type: none">▪ Installation▪ Preparing the appliance for use▪ Servicing

Working positions during operation

The working position for personnel while operating the hood is in front of the combi steamer door.

Working positions during cleaning and servicing

The working position for staff during cleaning and servicing is the entire appliance area.

2.7 Personal protective equipment

Operation and cleaning

Activity	Materials used	Personal protective equipment
Operating the combi steamer with the hood	None	Work wear as specified in the corresponding country-specific regulations regarding kitchen work, in particular: <ul style="list-style-type: none">▪ Protective clothing▪ Protective glove or a suitable cloth▪ Safety boots
Cleaning the hood	None	Work wear as specified in the corresponding country-specific regulations regarding kitchen work, in particular: Personal protective equipment in accordance with the specifications of the cleaning agent manufacturer and the EC material safety data sheets.

Installation and servicing

Activity	Materials used	Personal protective equipment
Installing and servicing the combi steamer fitted with hood	According to the task	Work wear as specified in national regulations and depending on the job that needs doing

3 Operation

Purpose of this chapter

This chapter shows you how to operate your appliance.

Contents

This chapter includes the following topic:

	Page
Basic operating sequence	30

3.1 Basic operating sequence

Hot steam / vapour

⚠ WARNING

Risk of scalding from hot steam and vapour

Escaping hot steam and vapour can cause scalding to face, hands, feet and legs.

- ▷ Open the appliance door as specified in the instructions. Never put your head inside the cooking chamber.

Requirements

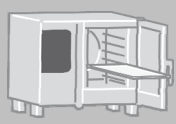
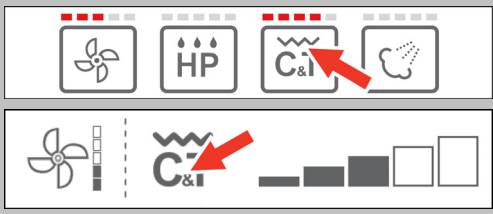
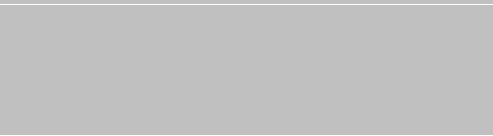
Check that the following requirements have been met:

- The hood has been cleaned properly.
- You are already conversant with the operating steps listed under "Operation" and "How to do it correctly".
- The hood is connected to the mains power supply (and hence ready to run).

Fan speeds

Fan speed	Fan extraction rate
Standby	No fan extraction
Fan speed 1	Low fan extraction rate
Fan speed 2	Full fan extraction rate

Basic operating sequence

1.  Switch on the combi steamer.
Result:
The hood is in standby mode (factory preset).
2.  Place the food in the combi steamer and start a cooking program.
Result:
The hood runs with the maximum fan extraction rate while the appliance door is open in order to condense and extract the steam.
20 seconds (factory preset) after closing the appliance door, the hood switches back to fan speed 1.
3.  Select a cooking program that uses moisture removal (Crisp&Tasty).
Result:
The hood runs with the maximum fan extraction rate as soon as Crisp&Tasty starts.
20 seconds (factory preset) after deactivating Crisp&Tasty, the hood switches back to fan speed 1.
4.  The cooking program has finished completely.
Result:
10 seconds before the cooking time ends, the hood switches automatically to full fan extraction rate.
5.  After using the combi steamer, the hood switches off automatically (factory preset).

4 Cleaning and Servicing

Purpose of this chapter

This chapter presents the cleaning and servicing schedule and gives cleaning and servicing instructions for your appliance.

Contents

This chapter includes the following topic:

	Page
Cleaning and servicing schedule	32

4.1 Cleaning and servicing schedule

Clogged filters and mist collectors

⚠ WARNING

Risk of a fire hazard due to inadequate cleaning

Grease can ignite if there are flying sparks and the hood has not been adequately cleaned.

- ▷ Clean the baffle filters and mist collectors according to the cleaning instructions.
- ▷ Follow cleaning instructions to clean those case parts that become accessible when the baffle filters and mist collectors are removed.

Contact with cleaning agents

⚠ WARNING

Risk of skin and eye irritation / chemical skin burns

Direct contact with cleaning agents poses a risk of irritation or burns to the skin and eyes.

- ▷ Do not inhale the spray mist.
- ▷ Do not let the cleaning agent come into contact with eyes or skin.
- ▷ Do not heat the appliance if it contains a cleaning.
- ▷ Let the appliance cool down before spraying cleaning into the appliance.
- ▷ Wear protective gloves and safety goggles in accordance with the specifications of the cleaning agent manufacturer and the safety regulations indicated in the EC material safety data sheets.

Hot surfaces

⚠ CAUTION

Risk of burns from high temperatures on the inside of the hood

Touching the exhaust air distributor in the hood can cause hand burns.

- ▷ Remove the baffle filters and the mist collectors only once the system has cooled down.
- ▷ Carry out servicing tasks only once the system has cooled down.
- ▷ Wear personal protective equipment as specified in safety regulations.

Requirements

Check that the following requirements have been met before carrying out any cleaning or servicing tasks:

- You are already conversant with the operating steps listed under "Operation" and "How to do it correctly".

Required cleaning products

Common household, non-alkaline detergent that is gentle on the skin and is pH-neutral

Required materials

Sponge, sponge cloth, cleaning products in a suitable container, e.g. pail.

Cleaning procedure

Step	Action
1	Switch off the combi steamer and let the combi steamer and hood cool down. Caution: Risk of burns from contact with the hot baffle filters if the combi steamer was running before cleaning.
2	Power off the hood.
3	Remove the baffle filters. Clean the baffle filters in the dishwasher on a weekly basis. Please note: It might be necessary to clean them on a daily basis if the amount of collected grease is larger than usual.
4	Clean the removable mist collectors with a hot, mild detergent solution on a weekly basis. Please note: It might be necessary to clean them on a daily basis if the amount of collected grease is larger than usual.
5	Check the condensate drain for blockages and clean it if necessary.
6	Check the amount of dirt on the secondary filter (ConvoVent 4: steam separator, ConvoVent 4+: fine particle filter) and replace if necessary. Please note: ConvoVent 4: We recommend changing the secondary filter (steam separator) after about 6-12 months. ConvoVent 4+: We recommend changing the secondary filter (fine particle filter) after about 12 months. It may need replacing more frequently under demanding conditions.
7	Clean the outside and inside of the case with a hot, mild detergent solution.
8	Dry the hood case with a cloth.
9	Fit all the components back into place.

Notice

Do not, under any circumstance, use scouring powders or heavy-duty scouring sponges. These will damage the hood.

Handling cleaning agents

You must wear protective gear, as specified in *Personal protective equipment*, when using cleaning agents.

The specifications of the cleaning agent manufacturer and the EC material safety data sheets must be complied with.

Personnel must be trained regularly by the owner of the appliance.

Carrying out servicing tasks

You will need to carry out a few servicing tasks yourself. Any more extensive servicing tasks must only be performed by a customer service entity.

Hot surfaces

⚠ CAUTION

Risk of burns from high temperatures on the inside of the hood

Touching the exhaust air distributor in the hood can cause hand burns.

- ▷ Remove the baffle filters and the mist collectors only once the system has cooled down.
- ▷ Carry out servicing tasks only once the system has cooled down.
- ▷ Wear personal protective equipment as specified in safety regulations.

Monthly servicing tasks that you must perform yourself

Disconnect the combi steamer and the hood from the power supply before servicing work.

What must be serviced?	Procedure	Servicing materials / tools	Illustration
Condensate drain	Pierce the holes with wire	Wire	

Servicing tasks that Customer services must perform

How often?	What must be serviced?
Annually	General servicing

Faults that the user can rectify

Problem	Possible cause	Recommended solution
Fan not running	Mains plug of hood is not plugged in	Plug in the mains supply to the hood; if the hood still will not run, call customer service.
The fan keeps running at full speed	Relay faulty	Call customer service
The fan does not run at full speed	Relay faulty	Call customer service
Fan does not run at low speed	Relay faulty	Call customer service
	Device parameters not set correctly on the combi steamer	Call customer service

5 How to do it correctly

Purpose of this chapter

This chapter describes how to perform some of the main repetitive handling tasks that will be necessary when operating your appliance.

Contents

This chapter contains the following topics:

	Page
Removing and fitting the baffle filters, mist collectors and secondary filter	36

5.1 Removing and fitting the baffle filters, mist collectors and secondary filter

Hot steam / vapour

⚠ WARNING

Risk of scalding from hot steam and vapour

Hot steam and vapour escaping from the combi steamer or from the exhaust air distributor in the hood can cause face, hand, foot, and leg burns.

- ▷ Open the appliance door as specified in the safety regulations. Never put your head into the cooking chamber!
- ▷ Do not remove the baffle filters or the mist collectors from the condensation hood if the appliance door of a combi steamer that is ready for use is open.

Hot surfaces

⚠ CAUTION

Risk of burns from high temperatures on the inside of the hood

Touching the exhaust air distributor in the hood can cause hand burns.

- ▷ Remove the baffle filters and the mist collectors only once the system has cooled down.
- ▷ Carry out servicing tasks only once the system has cooled down.
- ▷ Wear personal protective equipment as specified in safety regulations.

How to remove and fit the three baffle filters

- | | | |
|----|---|--|
| 1. |  | Switch off the combi steamer. |
| 2. |  | Lift up the three baffle filters and tilt the bottom end of the filter towards the front.
Start with the one in the middle.
Caution:
Risk of hands being pinched |
| 3. |  | Lift the filters out from the U-rail and take the filters out of the hood. |
| 4. |  | Follow the steps in the reverse order to fit the baffle filters. |

How to install and remove the mist collectors

- | | | |
|----|---|--|
| 1. |  | Switch off the combi steamer. |
| 2. |  | Tilt the mist collectors slightly forward.
Caution:
Risk of hands being pinched |
| 3. |  | Lift out the mist collectors. |
| 4. | | Follow the exact opposite sequence in order to install the mist collectors. |

How to remove and fit the steam separator (on a ConvoVent 4).

- | | | |
|----|---|--|
| 1. |  | Switch off the combi steamer. |
| 2. |  | Lift up the mounting frame of the steam separator using the black recessed grip and pull the steam separator out from the front. |
| 3. | | Follow the steps in the reverse order to fit the steam separator. |

How to remove and fit the fine particle filter (on a ConvoVent 4+).

1.



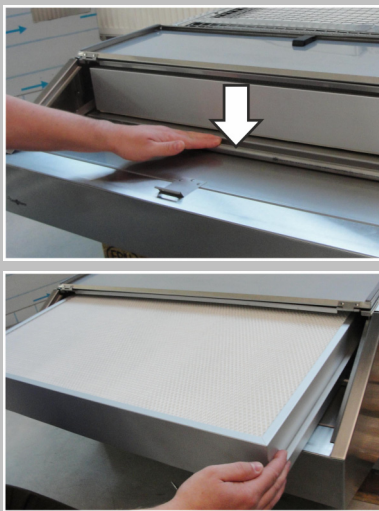
Switch off the combi steamer.

2.



Open the access flap on the fine particle filter using the black recessed grip.

3.



Push down the support for the fine particle filter and take out the fine particle filter from the front.

4..

Follow the steps in the reverse order to fit the fine particle filter.

6 Moving and setting up the appliance

Purpose of this chapter

This chapter specifies all the requirements for the installation site of the appliance, and explains the correct on-site procedure for conveying and unpacking the appliance and setting it up.

Contents

This chapter contains the following topics:

	Page
Requirements for the installation location	40
Taking to the installation location	41
Fitting the hood	42

6.1 Requirements for the installation location

Minimum clearances

The following table shows the required minimum clearances from the wall and other appliances:

Position	Minimum clearance
Minimum top clearance	500 mm
Minimum side clearance (left-hand side)	100 mm
Minimum clearance to rear / right-hand side	50 mm

Supporting surface

The supporting surface must have the following properties:

- The supporting surface must be flat and horizontal.
- The supporting surface must be able to bear the weight of the appliance including the hood and maximum loading weight.
- When using condensation hoods on stacking kits, the stacked combi steamers must not sit at a tilt of greater than 5° (uneven floor): risk of toppling over.

Conditions in the surrounding environment

If other appliances are present in the same room that use an open extractor, special care is needed to prevent the exhaust gases being drawn in.

6.2 Taking to the installation location

Overstressing your body

WARNING

Risk of injury from lifting incorrectly

If a single person tries to lift the appliance by himself/herself, the weight of the appliance may lead to injuries, especially in the area of the torso.

- ▷ When lifting the appliance, use enough people for the weight of the appliance (guide value: 15 to 55 kg max., depending on age and gender) or suitable equipment.
- ▷ Observe the local occupational safety regulations.

Personal protective equipment

Wear personal protective equipment when carrying out the tasks described here:

- Protective gloves
- Safety boots
- Hard hat (when heavy loads are being lifted or when working overhead)

Conveying the appliance to the installation location

Please observe the following points when conveying the appliance:

- Always move the appliance with appropriate tools.
- Always move the appliance in an upright position.
- Move the appliance slowly and carefully, and secure it against tipping over. Make sure that you do not knock against things with the appliance. Avoid moving appliance along uneven routes or up or down steep slopes.

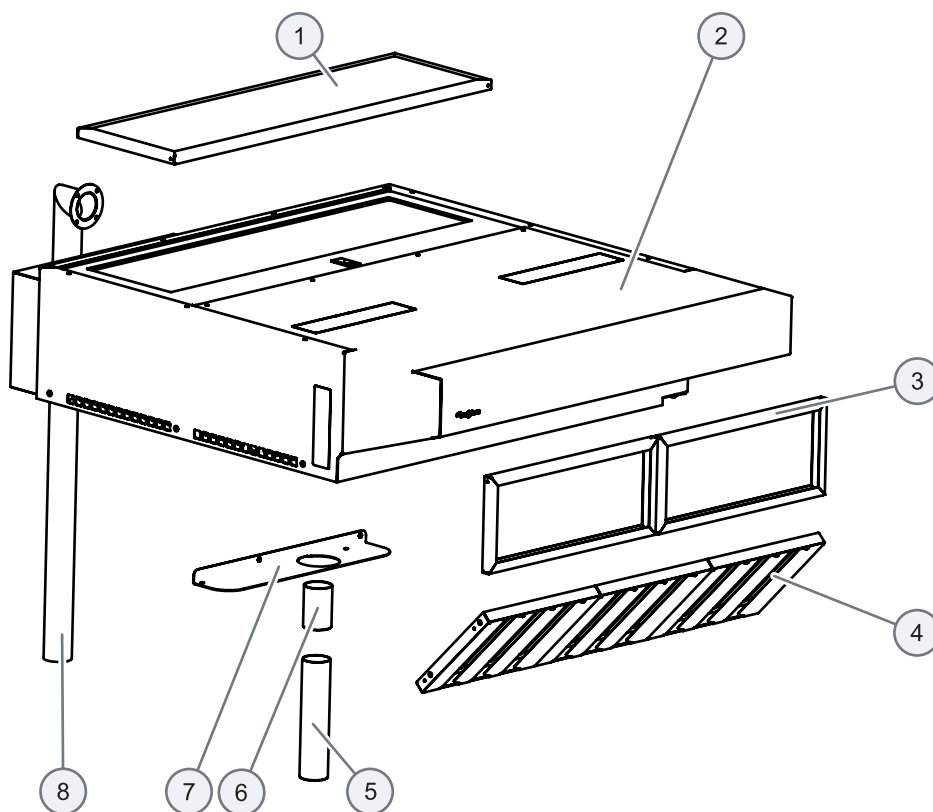
6.3 Fitting the hood

Component

Part number	Condensation hood model	For combi steamer model
3455870	ConvoVent 4	ES/EB C4 6.10/10.10
3455871	ConvoVent 4	ES/EB C4 6.20/10.20
3455872	ConvoVent 4	ES/EB C4 20.10
3455873	ConvoVent 4	ES/EB C4 12.20/20.20
3455874	ConvoVent 4 for use in the stacking kit	Stacking kit combination ES/EB C4 6.10/10.10
3455875	ConvoVent 4 for use in the stacking kit	Stacking kit combination ES/EB C4 6.20/10.20
3455876	ConvoVent 4+	ES/EB C4 6.10/10.10
3455877	ConvoVent 4+	ES/EB C4 6.20/10.20
3455878	ConvoVent 4+	ES/EB C4 20.10
3455879	ConvoVent 4+	ES/EB C4 12.20/20.20
3455880	ConvoVent 4+ for use in the stacking kit	Stacking kit combination ES/EB C4 6.10/10.10
3455881	ConvoVent 4+ for use in the stacking kit	Stacking kit combination ES/EB C4 6.20/10.20

Contents of the installation kit, ConvoVent 4

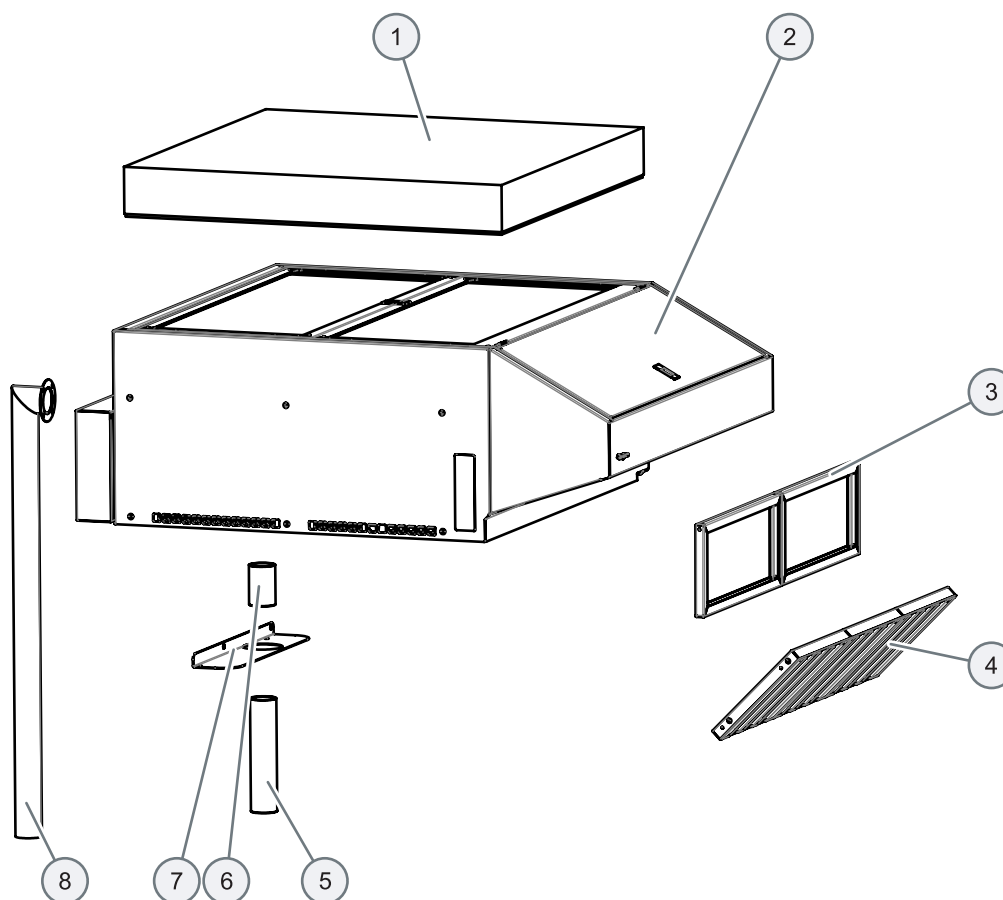
The figure below shows a size 6.10 hood as an example for all appliance sizes:



Item	Name	Quantity
1	Steam separator	1
2	ConvoVent 4 case	1
3	Mist collector	2
4	Baffle filter	3
5	Ventilation port on 10.10/10.20/20.10/20.20	1
6	Ventilation port on 6.10 or 12.20	1
7	Fixing bracket with two screws M5x12 DIN 7985	1
8	Right-angled pipe, ConvoVent 4/4+ for STK	1 (STK 6.10/10.10) 2 (STK 6.20/10.20)
9	Mains supply cable, 3-core, with cable gland	1 (6.10/10.10/20.10) 2 (6.20/10.20/12.20/20.20)
10	Control cable fitted with X38 connector	1 (6.10/6.20/10.10/10.20/12.20/20.10/20.20) 2 (STK 6.10/10.10 / STK 6.20/10.20)
11	Self-adhesive tie-wrap anchor with tie-wrap	1

Contents of the installation kit, ConvoVent 4+

The figure below shows a size 6.10 hood as an example for all appliance sizes:



Item	Name	Quantity
1	Fine particle filter	1
2	ConvoVent 4+ case	1
3	Mist collector	3
4	Baffle filter	2
5	Ventilation port on 10.10/10.20/20.10/20.20	1
6	Ventilation port on 6.10 or 12.20	1
7	Fixing bracket with two screws M5x12 DIN 7985	1
8	Right-angled pipe, ConvoVent 4/4+ for STK	1 (STK 6.10/10.10) 2 (STK 6.20/10.20)
9	Mains supply cable, 3-core, with cable gland	1 (6.10/10.10/20.10) 2 (6.20/10.20/12.20/20.20)
10	Control cable fitted with X38 connector	1 (6.10/6.20/10.10/10.20/12.20/20.10/20.20) 2 (STK 6.10/10.10 / STK 6.20/10.20)
11	Self-adhesive tie-wrap anchor with tie-wrap	1

Tools required

- Phillips screwdriver

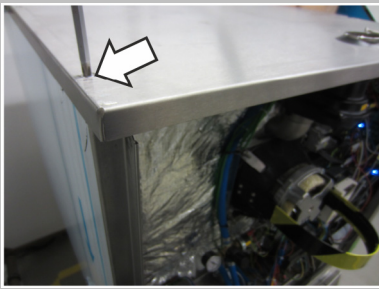
Requirements

Check that the following requirements have been met:

- The appliance is disconnected from the power supply and protective measures taken to ensure the power cannot be switched on again.
- The left cover has been removed.
- The installation kit components have been removed from the packaging and the contents checked to ensure that all parts are present.
- There are up to four people or suitable equipment available at certain times for lifting the hood.

Fitting the hood (ConvoVent 4 and ConvoVent 4+)

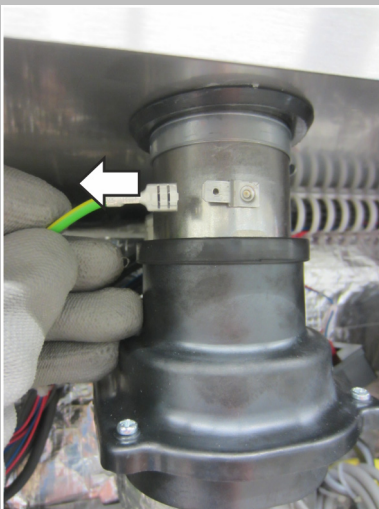
1.



For 6.10 and 6.20:

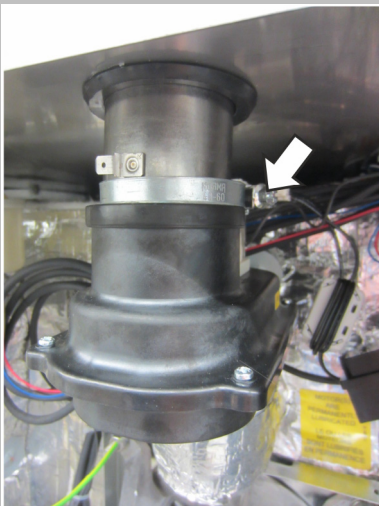
Undo the left-hand rear screw on the top cover of the appliance.

2.



Pull the ground cable off the spade terminal on the ventilation port.

3..



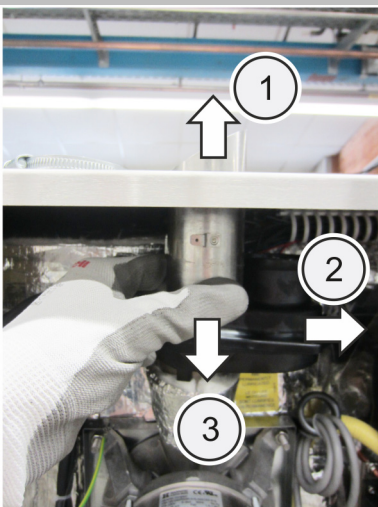
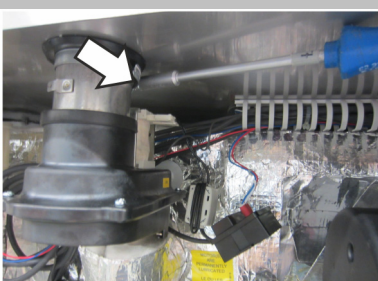
Use a 7mm socket wrench to undo the hose-clip screw on the ventilation port until the hose clip can be pulled over the spade terminal.

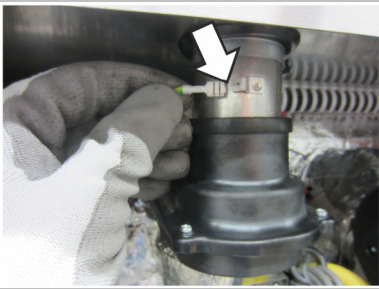
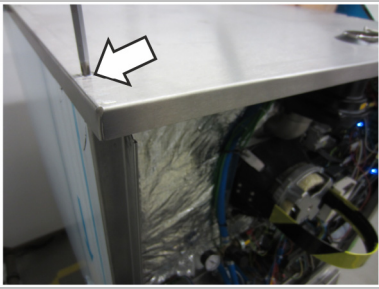
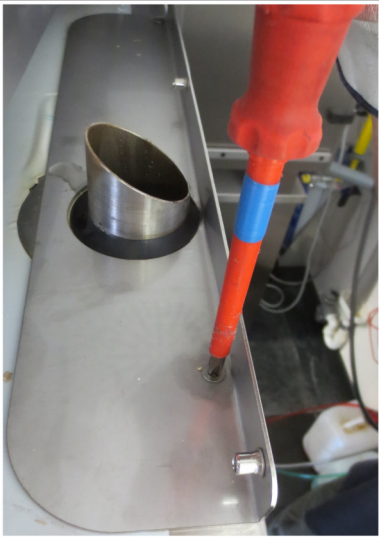
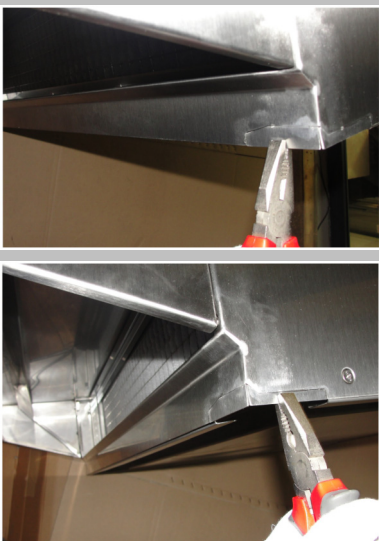
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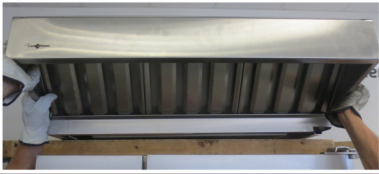
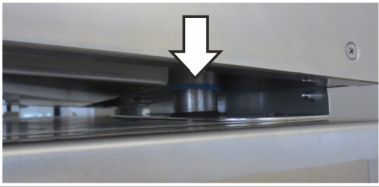
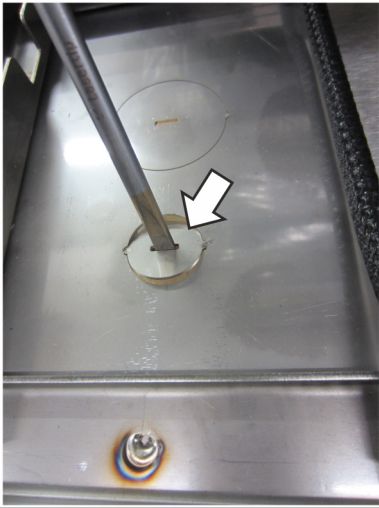


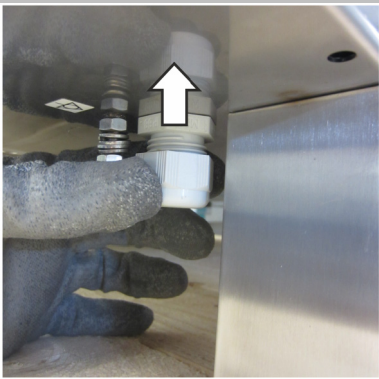
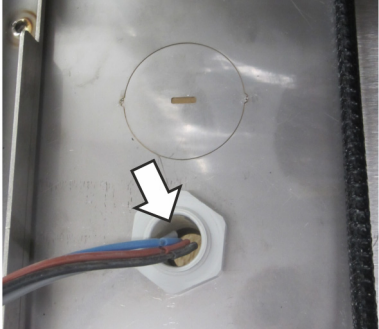
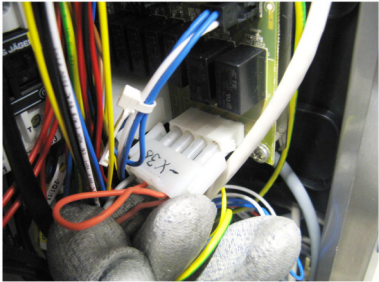
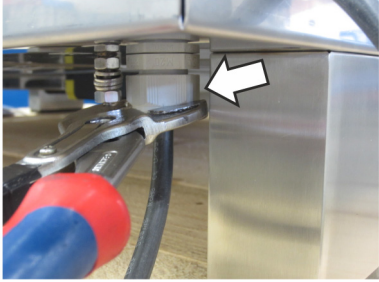
For 6.10 and 6.20:

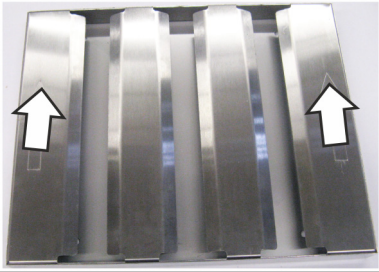
In the region of the ventilation port, lift up the top cover of the appliance slightly.

- | | | |
|----|---|--|
| 5. |  | <p>Pull up the ventilation port as far as it will go (1). Then rotate the ventilation valve located under the ventilation port (2) until the ventilation-port pipe port can be pulled down and removed (3). Place the diagonally cut pipe to one side: it is no longer needed.</p> |
| 6. |  | <p>Insert the straight ventilation port, which was supplied with the hood, through the gasket and slide it up as far as it will go. Make sure that the gasket is seated correctly.</p> |
| 7. |  | <p>Slide the hose clip from below over the ventilation port and rotate the ventilation valve until it lies under the ventilation port.</p> |
| 8. |  | <p>Push the ventilation port as far as it will go into the gasket of the ventilation valve. Make sure that the ventilation port stands about 5mm clear above the top of the appliance. Slide the hose clip over the spade terminal until it sits against the gasket in the top cover of the appliance, then tighten using the 7mm socket wrench.</p> |

- | | | |
|-----|---|---|
| 9. |  | Connect the ground cable to the spade terminal on the ventilation port. |
| 10. |  | For 6.10 and 6.20:
Re-tighten the left-hand rear screw on the top cover of the appliance. |
| 11. |  | Undo the two screws on the top cover of the appliance using a Phillips screwdriver, then use the two screws to fit the fixing bracket supplied. |
| 12. |  | Break out the relevant perforation in the front cover depending on what door is fitted.
Use a file to deburr the break-out points. |

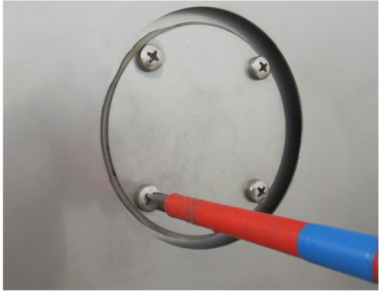
13.		<p>Use four people or suitable equipment to place the hood provisionally in position.</p> <p>Installation tip: Place lengths of wood underneath.</p>
13.a		<p>Guide the hood carefully onto the air vent.</p> <p>Caution: Risk of pinching your fingers.</p>
13.b		<p>Guide the hood carefully into the tabs on the fixing bracket.</p> <p>Caution: Risk of pinching your fingers.</p>
14.		<p>Use a Phillips screwdriver to fasten the hood to the fixing bracket using the two screws supplied.</p>
15.		<p>Connect the hood to a potential equalization system at the designated connection point.</p>
16.		<p>Break out the cutout in the wiring compartment at the perforation. Use a file to deburr the break-out points.</p>

- | | | |
|-----|---|--|
| 17. |  | Insert the M20 cable gland through the cutout. |
| 18. |  | Tighten the nut on the cable gland on the opposite side. |
| 19. |  | Feed the free end of the control cable for the hood through the cable gland then pull the cable through until it reaches the wiring compartment in the hood. |
| 20. |  | Plug the connector into the X38 socket on the SIB. |
| 21. |  | Tighten the cable gland until it provides strain relief for the cable. |

22		Fit the left side panel.
23.		Fit the three parts of the baffle filter: The parts are fitted from inside with the arrows pointing upwards.
23.a		Fit the filters from left to right.
23.b		Feed the filter in from the right and then slide it to the left.

Installation on a stacking kit

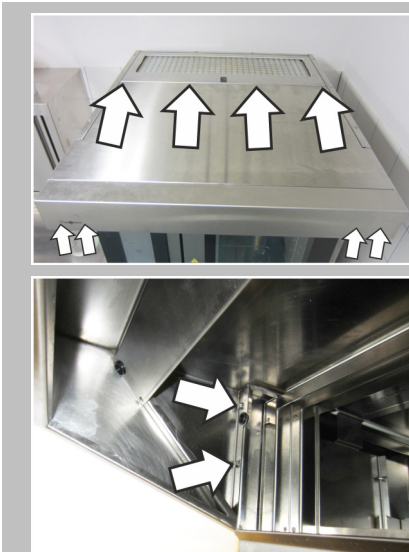
The following additional steps are necessary when installing on stacking kits:

- | | | |
|----|--|--|
| 1. | | Open the left side panel on the bottom appliance. |
| 2. | | Perform steps 7 to 12 as described above likewise on the bottom appliance. |
| 3. |  | Unscrew the blanking cap from the fixing flange on the rear of the hood. |
| 4. |  | Fasten the steam vent pipe supplied for the stacking kit hood to the fixing flange. |
| 5. | | Make sure that the steam vent pipe is seated correctly and check that the interfaces are sealed. |

Installing the front condenser for ConvoVent 4 (optional)

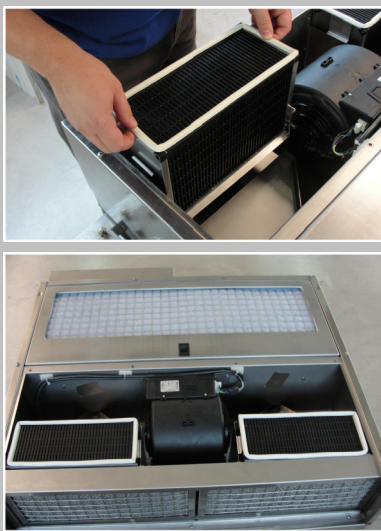
The following additional steps are necessary when installing the front condenser:

1.



Undo the 4 screws on the cover and the pairs of screws on the left and right in the extraction hole and then remove the cover.

2.



Lift the two front condenser elements into the rails provided. Make sure that the drip plate on the front condenser elements is facing the back.

3.

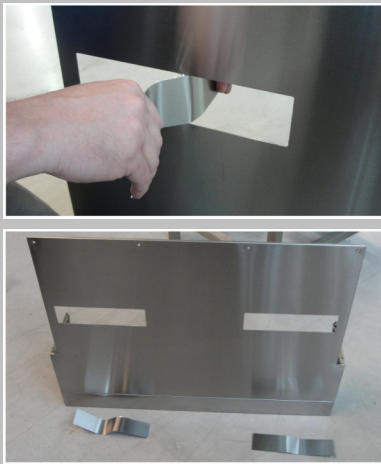


Detach the aluminium adhesive tape from the inside of the condensation hood cover.

Result:

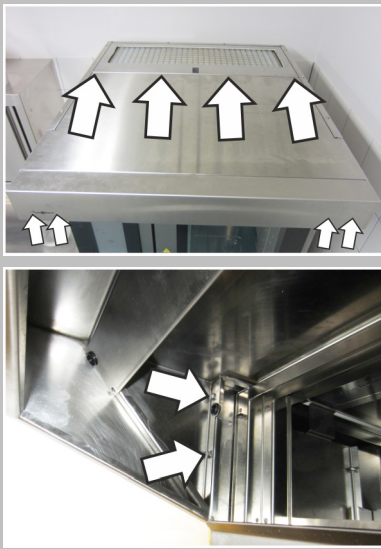
The perforation holes are exposed.

4.



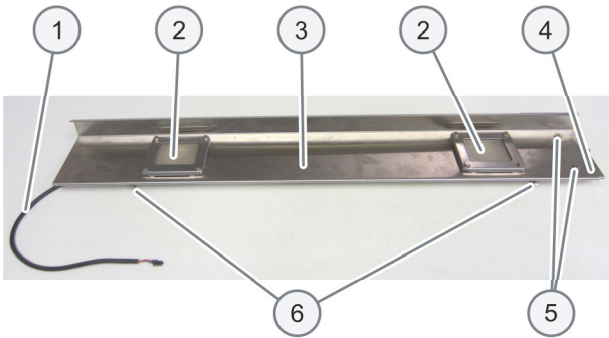
Break out the perforations provided in the cover.
Use a file to deburr the break-out points.

5.



Place the cover back on the hood and use the screws you removed earlier to fasten the cover in place.

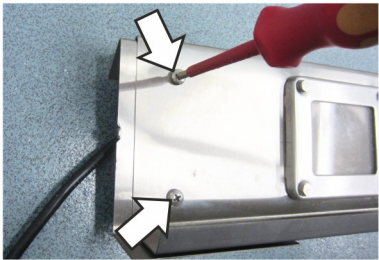
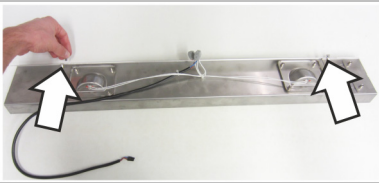
Components of the lighting unit for ConvoVent 4 and ConvoVent 4+



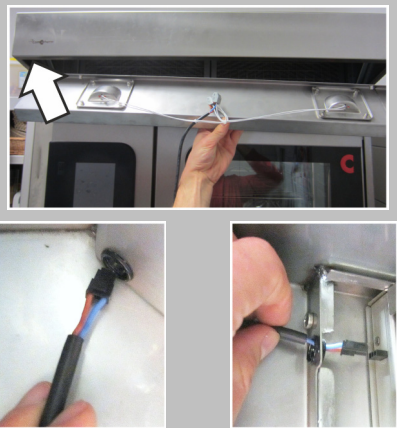
Item	Name
1	Power cable
2	Halogen lamp
3	Mounting plate
4	Alignment plate
5	Fixing screws for alignment plate
6	Fixing bolts for mounting plate

Installing the lighting unit for ConvoVent 4 and ConvoVent 4+ (optional)

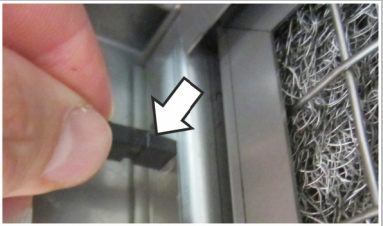
The following additional steps are necessary for installing the lighting unit:

- | | | |
|----|---|---|
| 1. |  | Undo the 2 fixing screws for the alignment plate. |
| 2. |  | Remove the 2 fixing bolts and plain washers on the mounting plate. |
| 3. |  | Take the 3 baffle filters out of the condensation hood.
See: <i>Operating instructions for the condensation hood</i> |

4.



Take the lighting-unit supply cable through the two feedthroughs on the left below the condensation hood.
5.



Plug the lighting-unit supply cable into the connector on the condensation hood.
6.



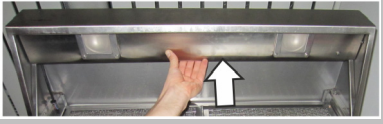
Insert the lighting unit in the condensation hood first on the left then on the right.
7.



Push the tab on the alignment plate up against the outer wall of the condensation hood.
8.



Slide the lighting unit gently towards the hood front until it engages.
9.



Press on the rear section of the mounting plate to push the lighting unit upwards.

Caution:
Take care not to trap the supply cable.
10.



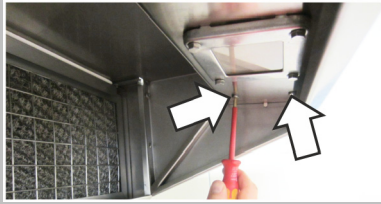
Fix the lighting unit to the condensation hood using the 2 mounting-plate bolts removed earlier; first hand-tighten the fixing bolts then tighten using an open-ended wrench.

11.



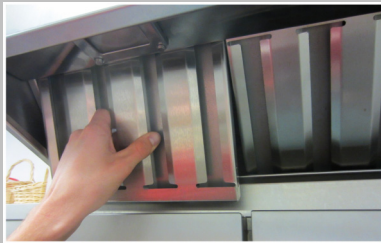
Check that the alignment plate is resting against the outer wall of the condensation hood; readjust the plate if necessary.

12.



Tighten the 2 fixing screws on the alignment plate.

13.



Refit the 3 baffle filters and prepare the condensation hood for operation.

See: *Operating instructions for the condensation hood*

7 Connecting up the appliance

Purpose of this chapter

This chapter explains how to connect your appliance.

This chapter is intended **exclusively** for the fitter and the authorized customer service entity.

Contents

This chapter contains the following topics:

Electrical installation

Page
58

7.1 Electrical installation

Meaning

It is crucial to safe and reliable operation of the appliance that the electrical system is installed carefully and correctly. All the rules and regulations listed here, and the described procedure, must be strictly followed.

Requirements

Check that the following requirements have been met:

- The connection point of the appliance is not connected to the customer power supply.

Eligibility of installation personnel

Only electricians qualified under the terms of EN 50110-1 and from an authorized customer service office are permitted to connect the appliance.

Equipment provided by customer and electrical installation regulations

The table below shows what equipment must be provided by the customer and what regulations must be observed when connecting the appliance.

Component	Description
Fuse	The hood must be fused with a residual-current device with a suitable current rating. This ground fault circuit interrupter must not be used to protect any other loads. Follow the applicable installation regulations.
Equipotential bonding 	The hood must be incorporated in an equipotential bonding system. Equipotential bonding: electrical connection that ensures that the frames of electrical equipment and any external conductive components are at an equal (or practically equal) potential.
Disconnection device	An all-pole disconnection device with a minimum contact separation of 3 mm must be installed close to the appliance. The disconnection device is used to disconnect the appliance from the electrical supply for cleaning, repair and installation work.
Power cord	The power cord must be an oil-resistant, sheathed, and flexible cable in accordance with IEC 60245 (e.g. H05RN-F, H05VV-F). The power cord's nominal cross section must be at least 1.5 mm².
Main terminal block	The main terminal block is located inside the electrical wiring compartment.
Cable gland	The cable gland serves as a strain relief mechanism and must be tightened firmly.
Control cable	

Implementation regulations

The electrical supply connection must be implemented in compliance with the following regulations:

- VDE (0100/0700) or relevant regulations of local professional associations
- Currently valid regulations of the local energy provider

Carrying out the electrical installation

Step	Action
1	Fit a safety plug suitable for the country of use.
2	Plug in the power cord's safety plug into a socket with a grounding contact.

8 Preparing for first-time use, taking out of operation and disposal

Purpose of this chapter

This chapter explains how to prepare your appliance for use, how to place it out of operation and how to dispose of it properly.

Contents

This chapter contains the following topics:

	Page
Safe working	60
Procedure for preparing the appliance for first-time use	61
Taking the appliance out of operation and disposal	63

8.1 Safe working

Meaning

Work performed on appliances while preparing them for first-time use and taking them out of operation is performed in special operating circumstances (e.g. with safety covers removed) or include activities that require personnel to have relevant qualifications and appliance-specific knowledge that exceed the requirements for operating personnel.

The measures and requirements specified in this section to ensure that the job of preparing the appliance for first-time use is performed safely, also all apply similarly to the job of taking the appliance out of operation.

Requirements to be met by commissioning staff

The following requirements must be met by commissioning staff:

- Commissioning staff are employees of an authorized customer service company.
- Commissioning staff have relevant training as a service engineer.
- Commissioning staff have training specific to the appliance.
- In particular, commissioning staff must be able to assess whether the electrical supplies have been connected to the appliance in a correct professional manner.

Damaged power cable



A risk of electric shock from damaged power cable

The appliance's power cable may become damaged during transit.

- ▷ Do not install or operate the appliance if its power cable is damaged.

Live parts



Risk of electric shock from live parts

When the cover is open, there is a risk of electric shock from touching live parts.

- ▷ Before taking off the cover, disconnect the appliance from the power supply by removing the safety plug on the mains power lead from the power socket.

Missing equipotential bonding



Risk of electric shock if equipotential bonding not installed

Electric shock can cause burns and ventricular fibrillation.

- ▷ Fasten the hood on the combi steamer so that the hood is integrated into the combi steamer's equipotential bonding grid.
- ▷ Install the electrical connection in accordance with the corresponding country-specific and local regulations and directives.

Overstressing your body

WARNING

Risk of injury from lifting incorrectly

If a single person tries to lift the appliance by himself/herself, the weight of the appliance may lead to injuries, especially in the area of the torso.

- ▷ When lifting the appliance, use enough people for the weight of the appliance (guide value: 15 to 55 kg max., depending on age and gender) or suitable equipment.
- ▷ Observe the local occupational safety regulations.

8.2 Procedure for preparing the appliance for first-time use

Meaning

This section is intended for commissioning staff. It summarizes what requirements must be met prior to putting the appliance into use, and describes the procedure for preparing the appliance.

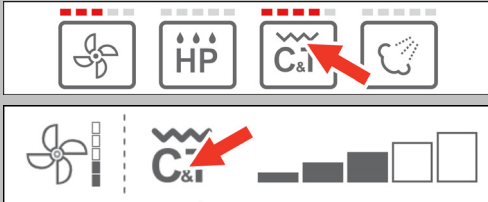
Checks prior to preparing the appliance for first-time use

Before preparing the appliance for first-time use, check that the following requirements are met:

- The appliance has no signs of damage.
- The appliance has been set up so that it cannot slide about or tip over; the requirements for the installation position and the area around the appliance have been met (see section *Moving and setting up the appliance* on page 39).
Protective films, cardboard packaging and transport securing devices etc. have been removed completely.
- The appliance is installed in accordance with the requirements in the section *Connecting up the appliance* on page 57.
- All safety devices are in their designated position and are working correctly.
- All warning signs are in their designated position.

The appliance must not be put into operation until all the specified requirements are met.

Preparing the appliance for use

		Danger: Do not, under any circumstance, put into operation damaged appliances or appliances without a cover.
1.		Switch on the combi steamer and start a cooking program. Result: The hood is in standby mode with a low fan extraction rate (factory preset).
2.		Open the appliance door. Result: The hood runs with the maximum fan extraction rate while the appliance door is open in order to condense and extract the steam. 20 seconds (factory preset) after the appliance door is closed, the hood switches back to standby mode.
3.		Select a cooking program that uses moisture removal (Crisp&Tasty). Result: The hood runs with the maximum fan extraction rate as soon as Crisp&Tasty starts. 20 seconds (factory preset) after deactivating Crisp&Tasty, the hood switches back to standby mode.
4.		The cooking program has finished completely. Result: 10 seconds before the cooking time ends, the hood runs at full fan extraction rate.
5.		After using the combi steamer, the hood switches off automatically (factory preset).
6.		The hood is now ready for use.

Notice

The factory presets can only be changed in the Service level of the combi steamer. Please refer to the Service manual for the combi steamer.

Customer guidance and instruction.

Instruct the user in all safety-related functions and devices. Instruct the user in how to operate the appliance.

8.3 Taking the appliance out of operation and disposal

Requirements

Before taking the appliance out of service, check the following points:

- The appliance is de-energized.

Requirements to be met by personnel

The job of placing the appliance out of operation must only be entrusted to service engineers from an authorized customer service office.

Only qualified electricians are permitted to perform work on electrical equipment.

Taking the appliance out of operation

To take your appliance out of operation, follow the steps for positioning and installing your appliance in the reverse order (see the chapters "*Moving and positioning the appliance on page 39*" and "*Connecting up the appliance on page 57*").

The following tasks must be performed correctly:

- Disconnecting or isolating the electrical supply

Disposal

The appliance must not be disposed of with the household refuse, as bulk waste or in contravention of regulations.



Contact the manufacturer for guidance on the environmentally safe disposal of your appliance. The manufacturer is certified to the ISO 14001:2004 environmental management standard and will dispose of your old appliance in accordance with valid environmental protection regulations.

Hoods Convotherm 4

Serial no.

Item no.

Order no.

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