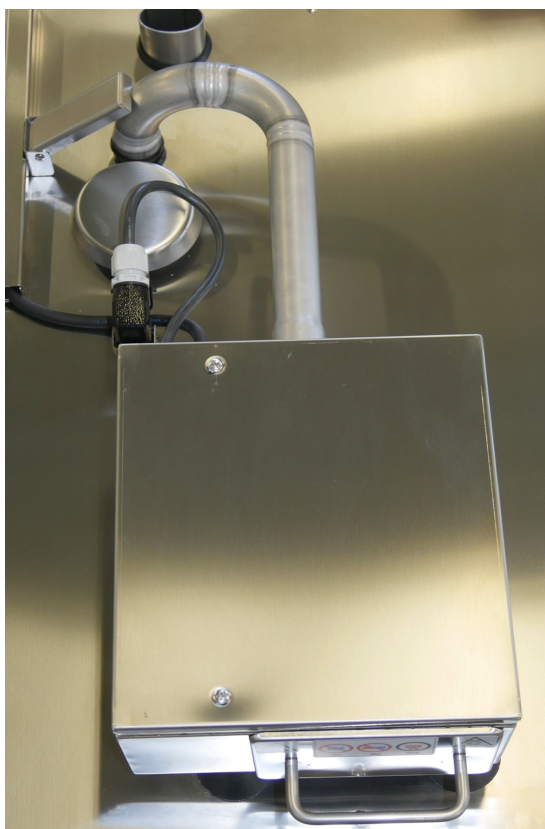


Read the operating instructions prior to commissioning

Installation instructions

## SmokeInside smoke box



Translation from the original document • 10016885-0AIDE-B • 26/06/2017

Unit	Type of energy	Model	for unit type
Smoke box	Electric	10016885	FKECOD6xxT...
SmokeInside			FKECOD10xT...

10016885-0AIBE-B

en-GB

**Manufacturer**

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# 1 Introduction

## 1.1 About this manual

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

Observe and adhere to the following instructions:

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

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

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

### 1.1.1 Explanation of signs



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**DANGER**  
**Imminent threat of danger**

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

---



---

**WARNING**  
**Possible threat of danger**

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

---



---

**CAUTION**  
**Dangerous situation**

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

---

---

**ATTENTION**  
**Physical damage**

Failure to comply can cause physical damage.

---



Notes for better understanding and operation of the unit.

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

## 1.2 Use of the unit

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

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

- Canada
- USA

## 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,
- Incorrect 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 operator must be familiar with regional regulations and observe them.

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

Observe the safety information in these mounting instructions as well as the "Safety information" section of the operating instructions.

### **Hot surfaces Risk of burns from hot surfaces**

- Protect arms and hands by wearing suitable protective gloves.
- Do not touch heating elements, hot surfaces or accessories immediately after use.
- Allow surfaces to cool prior to cleaning.

### **Fire prevention Risk of fire from overheating**

- Observe the unit during operation.

#### **Firefighting**

- In the event of a fire, disconnect the unit from the electric mains.

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

- Prior to starting the installation work, notify any operators present about the procedure.

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

- Install the unit only as specified in these installation instructions.

### **Fire prevention Risk of fire from combustible surfaces**

- Observe general fire prevention regulations.
- Set up the unit only on a non-combustible surface.
- When setting up the unit in close proximity to heat-sensitive substances or substances that pose a risk of fire, observe fire prevention regulations.
- Ceilings above the unit must be noncombustible.

### **Commissioning Risk of property damage and personal injury from improper commissioning**

- Only use the unit in conjunction with a permitted Combisteamer.

### **Improper cleaning Risk of chemical burns from cleaning agent**

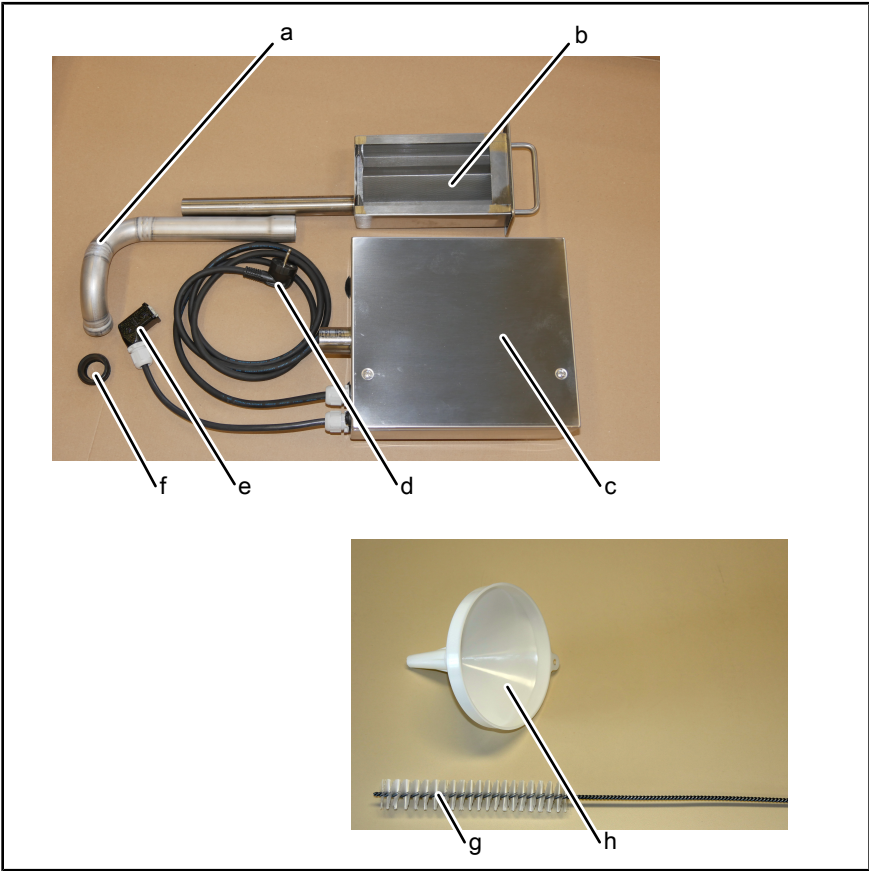
- Follow the instructions of the cleaning agent manufacturer.

### **Risk of physical damage from improper cleaning**

- Clean the unit after using it.
- Do not clean the unit with a high-pressure cleaner.
- Do not cool shock the unit by cooling it abruptly.
- Do not immerse the housing in water.
- Clean the unit regularly.

### 3 Description of the unit

#### 3.1 Overview of the unit



- a

Connecting pipe
- b

Embers box
- c

Smoke box
- d

Power connection cable
- e

Control cable
- f

Seal
- g

Brush
- h

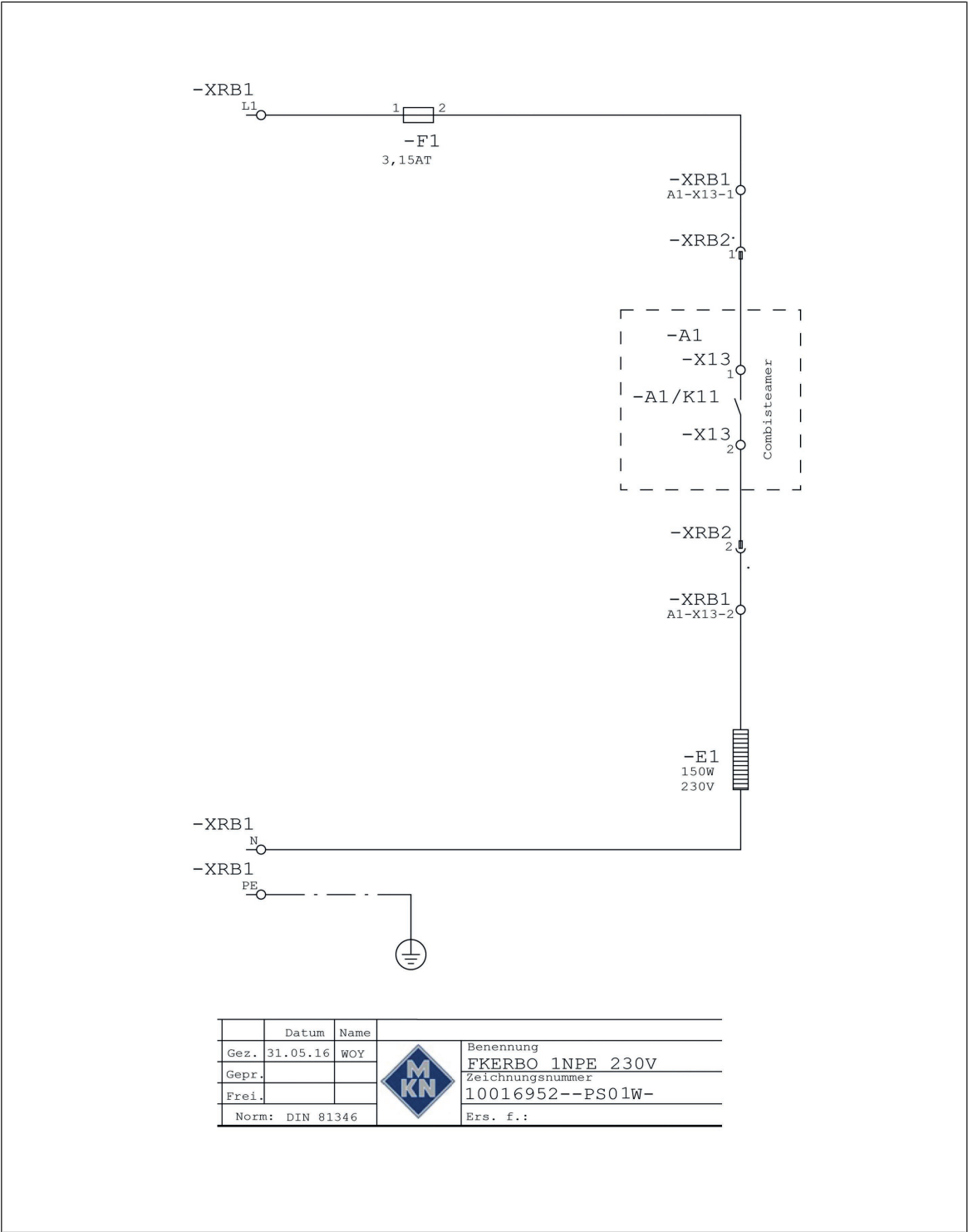
Filling funnel

#### 3.2 Equipment and connection data

##### Equipment and connection data

SmokeInside	
Power connection	
Type of connection	1N 230 V AC 50/60 Hz
Connected load (W)	150
Fuse (A)	Max. 16

3.3 Wiring diagram



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## 4 Attaching and removing the unit



---

**CAUTION****Risk of fire from improper installation**

- Set up the unit only on a non-combustible surface.
- 



---

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

- Observe applicable regional fire prevention regulations.
- 



---

**CAUTION****Risk of property damage and personal injury from improper installation**

- The plug-in connection must be readily accessible.
- 



---

**CAUTION****Risk of falling due to insecure climbing aids**

- Only use approved ladders or steps as climbing aids.
- 

### 4.1 Minimum clearances and ambient conditions



---

**WARNING****Risk of poisoning from exhaust gases**

- Ensure that exhaust gases are routed to the outside.
  - Install the unit below or at ventilation systems.
  - For type B devices: Connect unit to ventilation system or chimney.
  - Ensure that the unit can be operated only when the ventilation system is switched on.
- 

#### Existing fire extinguisher system

Smoke is produced when using SmokeInside.

- Adjust the settings of an existing fire extinguisher system in line with the particular statutory regulations.

#### Installation room requirements

- There must be no water or gas pipes or power connection cables in the ceiling above the unit.
- The ceiling above the unit must be fireproof.
- There must be sufficient incoming air from gaps and openings to the open air or from a heating, ventilation and air conditioning system.



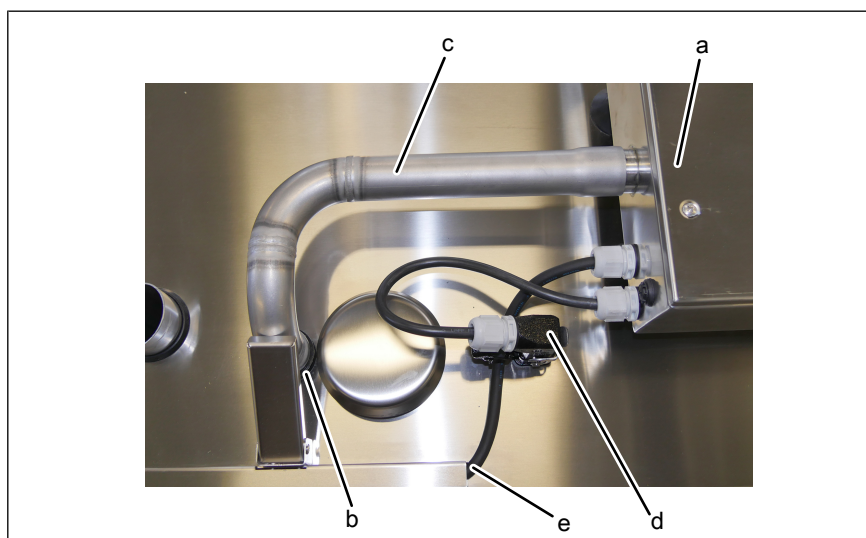
- The heating, ventilation and air conditioning system must exhaust.

### Minimum clearances

The following minimum clearances from walls, ceilings or other equipment must be maintained when setting up the unit.

- At least 500 mm in all directions.

## 4.2 Attaching the unit



- |                   |                    |
|-------------------|--------------------|
| a Smoke box       | d Control cable    |
| b Seal            | e Power connection |
| c Connecting pipe |                    |

**Requirement** All the required components are available.

1. Place the smoke box (a) on the Combisteamer.
2. Open the cover and put the seal (b) on the suction pipe of the Combisteamer.
3. Join the smoke box and suction pipe of the Combisteamer with the connection pipe (c).
4. Join the control cable to the connection on the top of the Combisteamer. (d).
5. Open the cable duct (e) and route the power connection cable through the cable duct.
6. Join the power connection cable to the electric mains.
7. Push the embers box into the smoke box.

↳ The smoke box can now be used.

## 4.3 Removing the unit

**Requirements** Combisteamer switched off and cooled down  
Smoke box switched off and cooled down

1. Pull out the cooled embers box.
2. Disconnect the power connection cable from the electric mains.

3. Open the cable duct (e) and remove the power connection cable.
4. Disconnect the control cable from the connection on the top of the Combisteamer (d).
5. Remove the connection pipe (c) between the smoke box and the Combisteamer suction pipe.
6. Take the smoke box (a) down from the Combisteamer.
7. Pull the seal (b) from the suction pipe of the Combisteamer and close the cover.

↳ The Combisteamer can now be used without the smoke box.

## 5 Operating controls



### WARNING

#### Risk of explosion and fire

- Do not use any fuel in powder form, for example smoked powder or sawdust.
- Make sure that the wood shavings are of a sufficient size.
- The wood shavings must have an edge length of at least 5 mm.



If the SmokeInside function is not being used, the embers box must be pushed into the smoke box, otherwise it can not be ensured that the Combisteamer will function faultlessly.

### 5.1 Smoking



### CAUTION

#### Risk of burns from remnants of embers

Failure to take precautions can lead to slight or moderately severe burns.

- Protect the face with suitable face protection.
- Protect arms and hands by wearing suitable protective gloves.



### CAUTION

#### Risk of fire from switching off the Combisteamer during the smoking procedure

Only switch off the Combisteamer, when the smoking procedure is ended.



The wood shavings must be at least 5 x 5 mm.



Too large a quantity of wood shavings means that the smoking is too long, so measure the quantity on the low side.

### SmokeInside as a stand-alone cooking program

When set to the *Normal*, *Mild* or *Intensive* intensity, the cooking step starts automatically with a ten-minute pre-glowing of the smoke box. At the same time the cooking zone is heated to the desired cooking temperature. It is not therefore necessary to select a specific *Pre-glowing* cooking step.

### SmokeInside as a cooking step in a cooking program that comprises several cooking steps.

In this case a ten-minute *Pre-glowing* cooking step must first be selected, and then after that the cooking step with the desired smoking intensity.

**Requirements** The Combisteamer is on  
The smoke box is placed on the Combisteamer and connected.

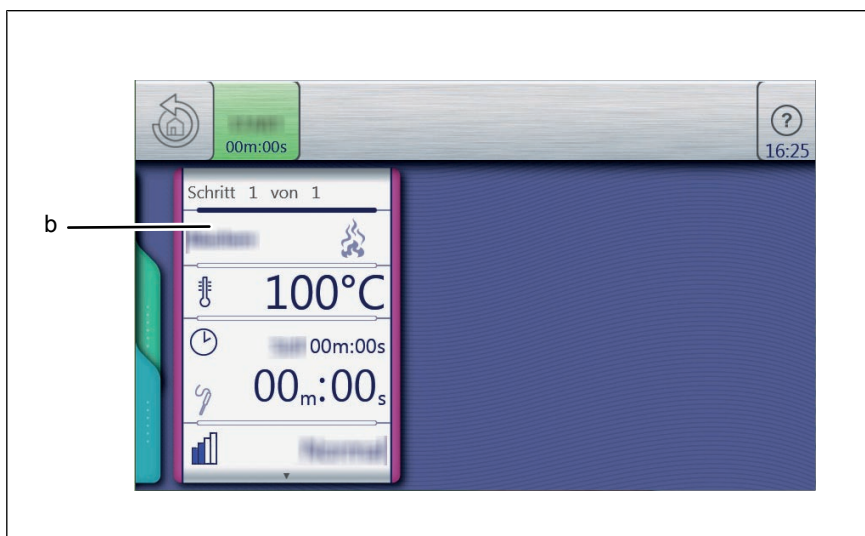
1. Pull out the cooled embers box.



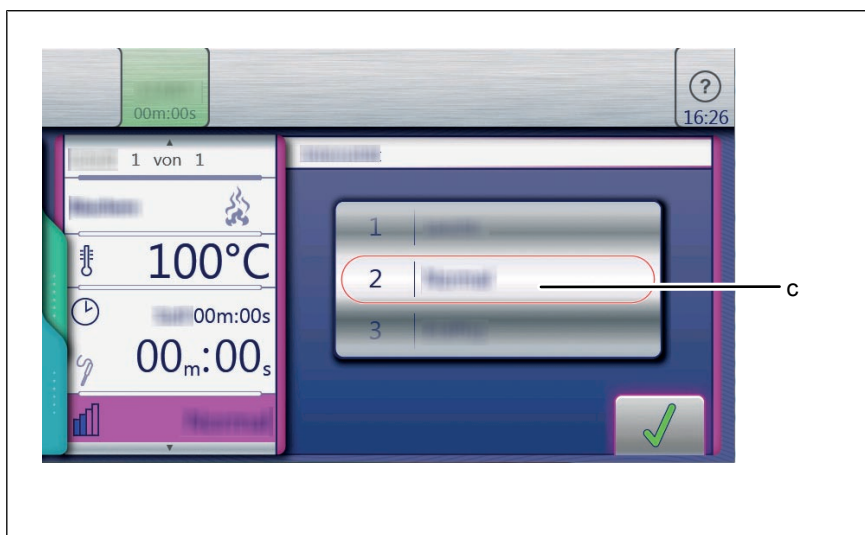
2. Check whether there are any remnants in the embers box or smoke box and dispose of these in a safe manner.
3. Measure out the wood shavings or spices in the quantity that is required for the desired smoking process.
4. Place the wood shavings or spices in the embers box.
5. Close the embers box.
6. Tap the "Manual cooking" field.



7. Tap the "Smoking" field. (a)



8. Tap the "Smoking" field. (b)



9. Select *Intensity* with a wiping gesture (c).

10. Confirm the selection.

11. Set the cooking temperature and cooking time.

12. Confirm the selection.



The preheat time for the smoke box is 10 minutes. During this time the cooking zone is increasingly filled with smoke.

## 5.2 After smoking



### CAUTION

#### Risk of burns from hot surfaces

- Allow surfaces to cool prior to cleaning.



---

**CAUTION****Risk of burns from hot ashes or remnants of embers**

The remnants in the embers box may still be hot after smoking and can cause burns.

- Only pull out the embers box, when it has cooled down.
  - Do not pull out the embers box, if anybody is underneath it.
  - Only store and transport the ashes in a fireproof container.
- 



---

**CAUTION****Risk of fire from hot ashes or remnants of embers**

The remnants in the embers box may still be hot after smoking and can quickly ignite topped up material.

- Only load wood shavings into an empty embers box.
- 

**Requirement** Loaded shavings completely extinguished  
Smoke box cooled down

1. Pull the embers box out of the smoke box and place it on a fireproof surface.
2. Empty the embers box into a fireproof container.
3. Push the embers box back into the smoke box.

## 6 Cleaning



Cleaning of the suction pipe depends on the degree of contamination and the intensity of use, but it must be cleaned after 3 months at the latest.

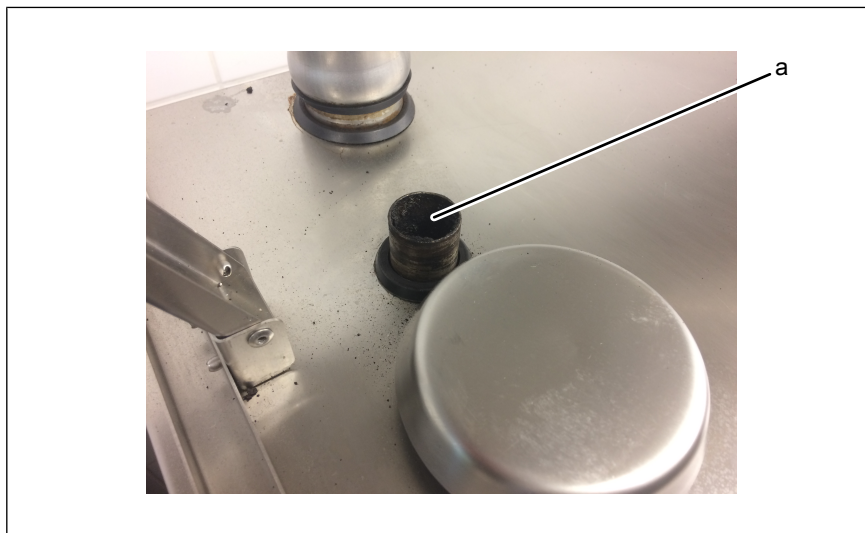


Image: Combisteamer with the smoke box removed

a Suction pipe

**Requirements** Combisteamer switched off and cooled down

Cooking zone door closed

Smoke box removed

Brush, filling funnel and warm water with a commercially available cleaning agent have been provided

The ladder is standing securely in cases where the suction pipe can not be reached without climbing aids.

1. Put the filling funnel on the open suction pipe.
2. Allow 1 litre of soapy water to run through the filling funnel into the suction pipe.
3. Remove the filling funnel.
4. Push the brush from above into the suction pipe.
5. Clean the entire suction pipe.
6. Remove the brush.
7. Put the filling funnel on the suction pipe.
8. Allow 1 litre of soapy water to run through the filling funnel into the suction pipe.
9. Clean the entire suction pipe with the brush.
10. Repeat the process, until the soapy water is clear when running into the cooking zone.
- ↳ The suction pipe is now cleaned.
11. Remove coarse contamination from the cooking zone.

12. Clean the cooking zone with WaveClean.

↳ Suction pipe and cooking zone cleaned.



## 7 Maintenance

The manufacturer recommends maintenance of the unit in accordance with the following table.

Maintenance	Maintenance interval	Carried out by
Checking if the pipe connections leak	• 12 months	Service technician
Cleaning	• 3 months	Operator

## 8 Manufacturer's declaration



### EC Declaration of Conformity



#### Manufacturer

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

We hereby declare, that the following product:

Description of the unit
Unit for smoking in commercial cooking appliances in commercial applications
Unit type
Electric smoker box
Unit number
FKERBO

complies with the relevant provisions of the following directives, but does not contain any assurance of properties:

- Directive 2011/65/EU (RoHS) dated 01 July 2011
- Directive 2014/30/EU dated 26 February 2014 on electromagnetic compatibility
- Directive 2014/35/EU dated 26 February 2014 on electrical equipment used within certain voltage limits
- REGULATION (EC) No. 1935/2004 dated 27 October 2004 on materials and objects, which are intended to come into contact with food

Adduced basis for verification
EN ISO 12100:2010
DIN EN 55014-1:2012-05
EN 55014-2:1997 + Corrigendum 1997 + A1:2001 + A2:2008
EN 60335-1:2002 + A11:2004 + A1:2004 + A12:2006 + A2:2006 + A13:2008 + A14:2010 + A15: 2012
EN 60335-2-42:2003 + A1:2008

The manufacturer bears the sole responsibility for issuing this Declaration of Conformity. This Declaration of Conformity becomes invalid, if changes are made which are not agreed with us.

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Wolfenbüttel, 19/07/2016

Person authorised to compile the technical documents:

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