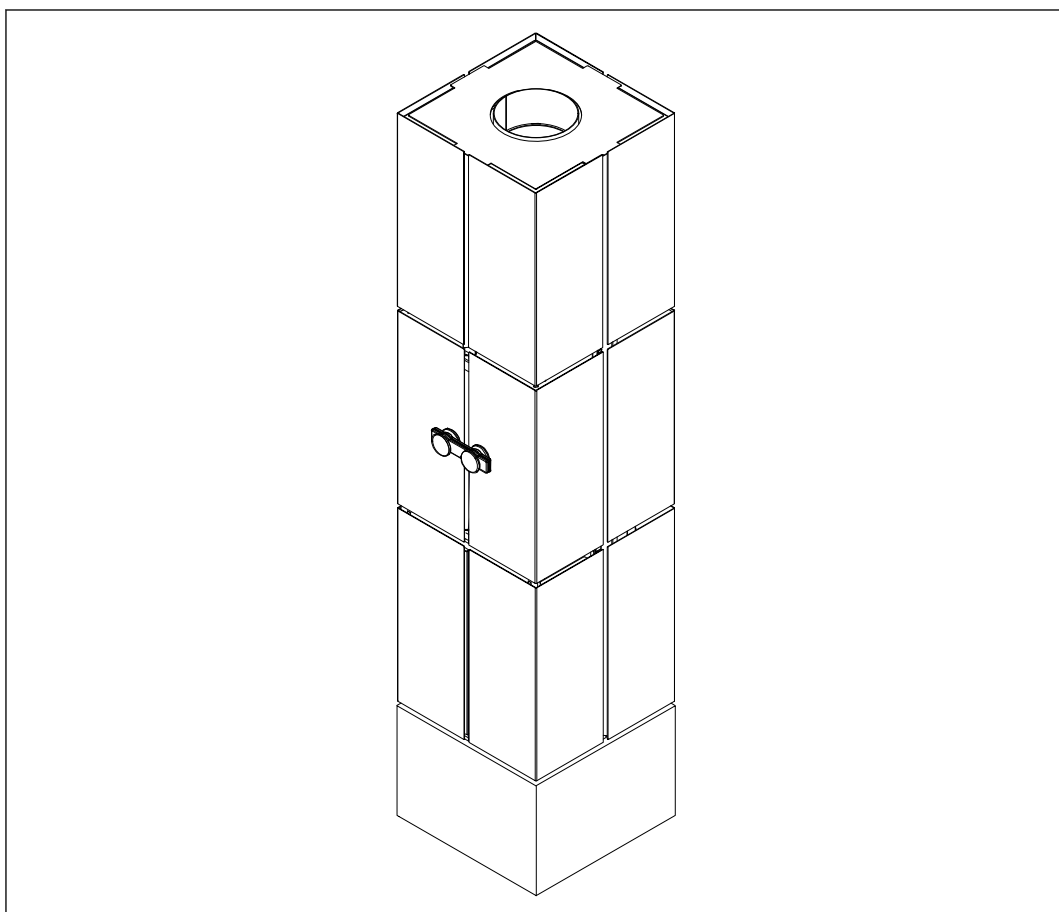


# barbas .

## Installation and maintenance manual

BBQ Fire 40-150



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# 1 About this document

This document shows the necessary information to do these tasks on the BBQ Fire 40-150

- Installation
- Maintenance

This document refers to the BBQ Fire 40-150 as 'the appliance'. This document is an essential part of your appliance. Read it carefully before you do work on the appliance. Keep it in a safe place.

The original instructions of the document are in English. All other language versions of the document are translations of the original instructions. It is not always possible to provide a detailed illustration of every single item of the equipment. The illustrations in this document show a typical setup. The illustrations are for instructional use only.

## 1.1 How to work with this document

1. Make yourself familiar with the structure and content of the document.
2. Read the safety section in detail.
3. Make sure that you understand all the instructions.
4. Do the procedures completely and in the given sequence.

## 1.2 Warnings and cautions used in this document

### Warning



If you do not obey these instructions, there is a risk that can cause personal injury or death.

### Caution

If you do not obey these instructions, there is a risk of damage to the equipment or to property.

### Note

A note shows more information.

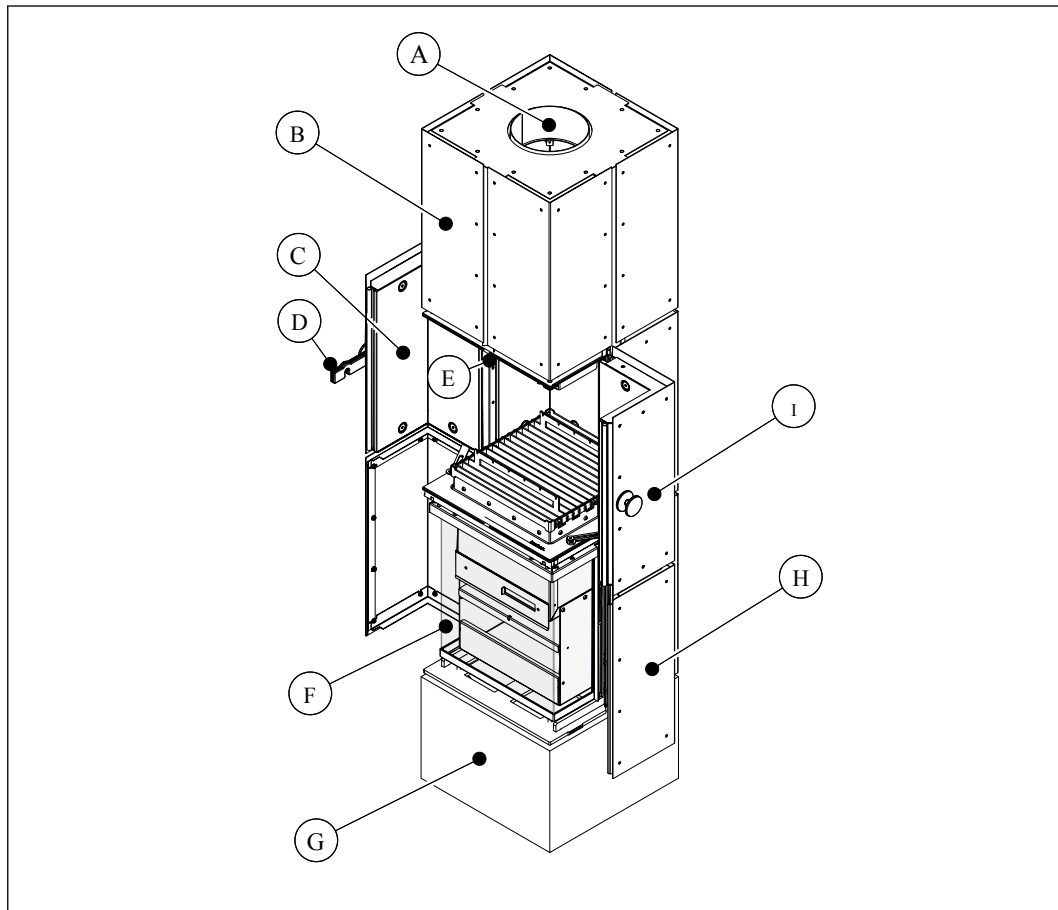
Symbol	Description
	Visual sign that there is a hazard
	Visual sign that there is a notice

## 1.3 Related documentation

- Installation and maintenance manual
- User manual

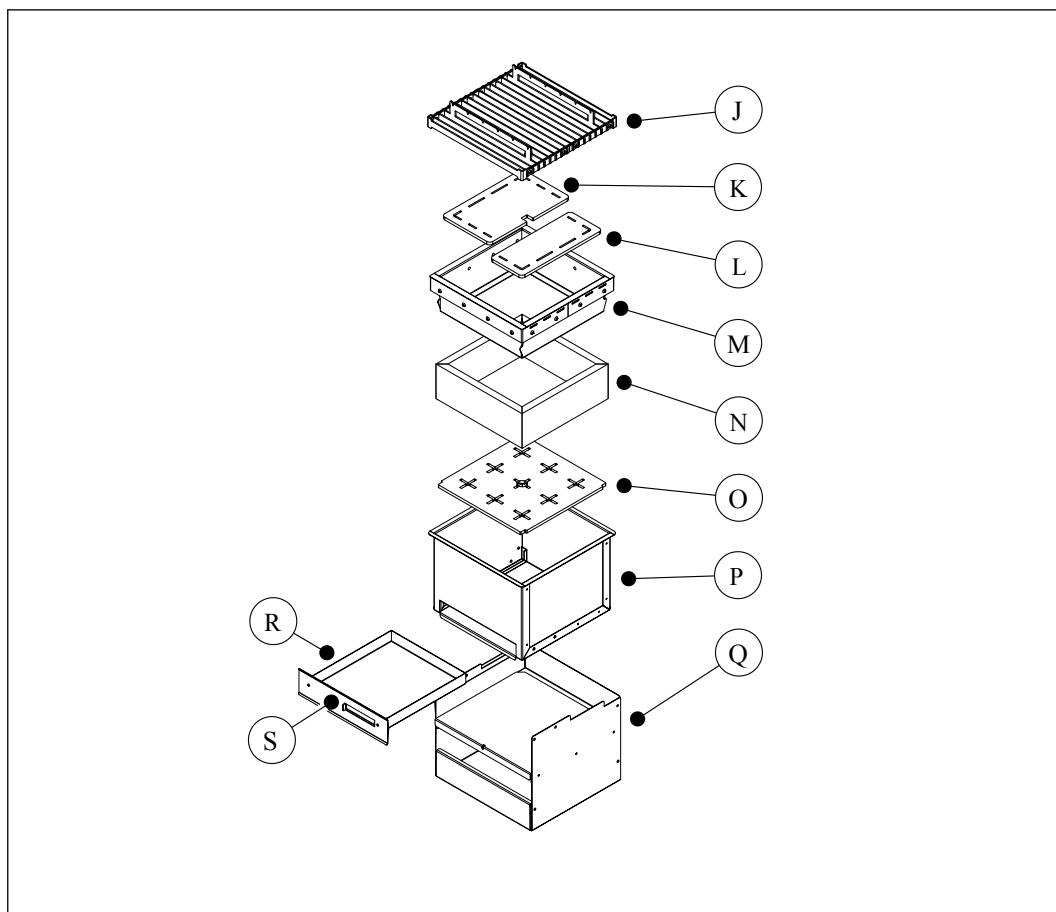
## 2 Description

### 2.1 Overview of the appliance



- |   |   |   |   |
|---|---|---|---|
| A | Flue pipe connection  | F | Fire screen (placed in the storage chamber) |
| B | Decorative metal panels   | G | Natural stone base                          |
| C | Insulation panels combustion chamber                            | H | Doors storage chamber                       |
| D | Door handle   | I | Doors combustion chamber                    |
| E | Control slide for flue gas vent (Use only for slow-cooking bbq) |   |   |

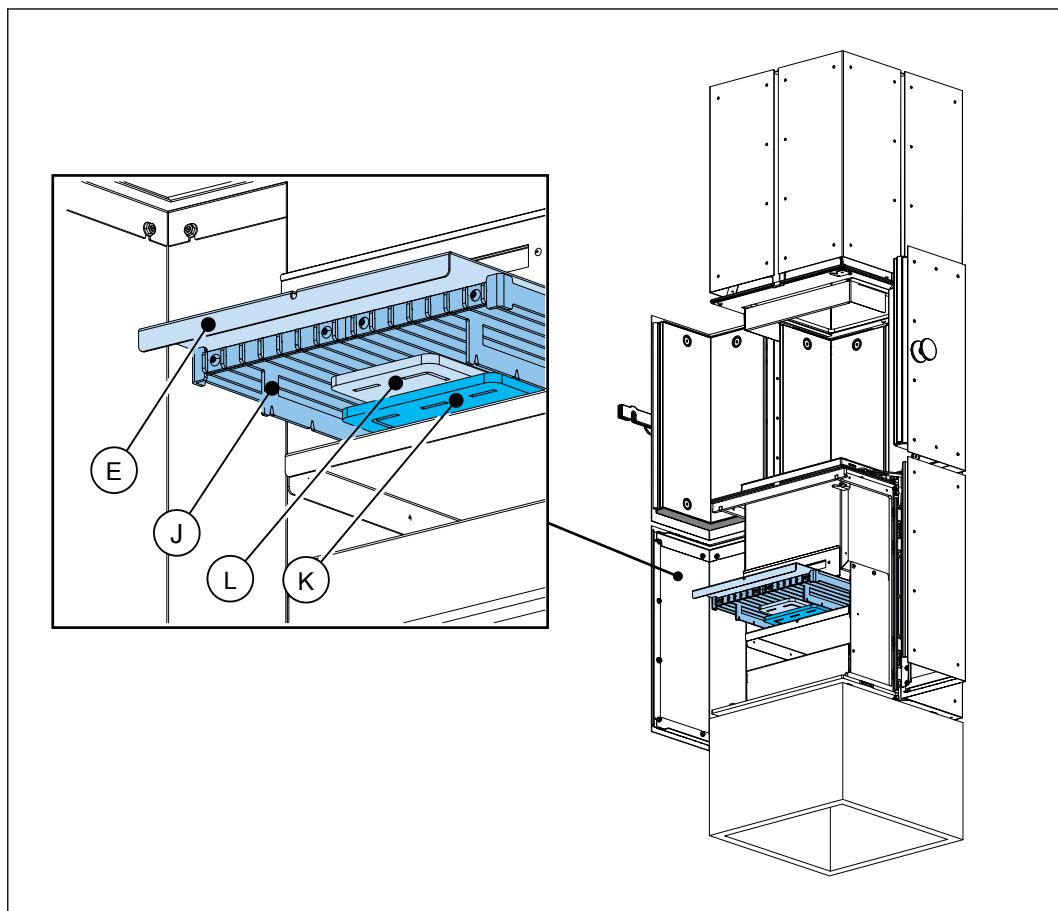
## 2.2 Overview of the interior of the appliance



- |     |   |   |                                     |
|-----|---|---|-------------------------------------|
| J   | BBQ grill grate   | P | Firebox                             |
| K/L | Upper fire bottom, left & right (Only intended for making a decorative fire, with wood or for support of the drip pan when slow-cooking bbq). This Upper fire bottom must be removed when bbq grilling. | Q | Storage compartments                |
| M   | Upper internal firebox  | R | Ashtray                             |
| N   | Insulation panels firebox   | S | Control slider combustion air inlet |
| O   | Lower fire bottom. (Only intended for grilling or slow-cooking bbq fire, with charcoal)   |   |                                     |

## 2.3 Overview of the storage compartments in the appliance

The appliance is equipped with a storage chamber for the fire screen and the other various parts. The lower storage compartment can be used to store items like barbecue tongs and barbecue gloves.



- E Control slide for flue gas vent (Use only for slow-cooking bbq)  
J BBQ grill grate

- K/L Upper fire bottom, left & right (Only intended for making a decorative fire, with wood or for support of the drip pan when slow-cooking bbq). This Upper fire bottom must be removed when bbq grilling.



## 2.4 Intended use

The appliance is intended for outdoor use or outdoor use under a canopy. Do not use it indoors or for other purposes.

The appliance can be used as an open fireplace or as a barbecue.

The appliance, in use as an open fireplace, is intended for use with wood logs or wood briquettes as fuel. Do not use other fuels.

The appliance, in use as a barbecue, is intended for use with charcoal as fuel. Do not use other fuels.

The appliance may only be used at an outdoor location that meets the requirements for the installation of the appliance.

The appliance is intended for intermittent use and is not intended for continuous use.

The appliance is intended for decorative purposes, or for grilling. It is not allowed to connect the appliance to a central-heating installation.

## 3 Safety

### 3.1 Safety instructions for outdoor installation

#### 3.1.1 Safety instructions for outdoor installation general

**Warning:**

- Make sure all items are present before installing the appliance.
- Install the appliance only outdoors or outdoors under a canopy in a well-ventilated open area. Do not install it indoors or in an enclosed area.
- Install the appliance correctly according to the Installation and maintenance manual, and User manual. You can find the manuals on [www.barbasbellfires.com](http://www.barbasbellfires.com). Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage.
- Read the user, installation and maintenance instructions thoroughly before installing the appliance. Failure to follow these instructions could result in fire or explosion, which could cause property damage, personal injury, or death.
- Install the appliance in accordance with this manual and all applicable local and national regulations. Contact your local fire department for details on outdoor firing.
- Install the appliance always on a hard, level, non-combustible surface such as concrete or stone. Make sure that the appliance is always standing stable.
- Do not install the appliance in or on a boat or food truck vehicle.
- Do not put objects on the top of the appliance.
- Do not put flammable items within two meters (2 m) from the front of the appliance.
- Do not put flammable items within one meter (1 m) from the side and the back of the appliance.
- Do not store or use gasoline, or any other flammable vapors or liquids within five meter (5 m) of this appliance
- Examine the appliance for damage and creosote formation, after a period of storage or non-use. Do not use the appliance until necessary repairs and/or cleanup are done.
- Do not make modifications to the appliance. Any modification will also make your warranty invalid.
- Install only original Barbas parts. The use of any not Barbas parts, can be dangerous and will void your warranty.
- Safety distances (clearances) to combustible and non-combustible floor and walls, of a general installation, refer to section [5.1](#).

**Caution:**

- Install the appliance on a floor with adequate load-bearing capacity. Refer to section [12.1](#) for the weight of the appliance.
- Parts in the appliance can be moved during transportation. Make sure these parts are in the correct position. Refer to the Installation and maintenance manual, and User manual.
- Make sure to inspect and clean the appliance, flue pipe and flue terminal minimum every year to prevent dirt deposition and creosote formation.



**Note:**

- After installation, make sure that all parts are present and stored in the appliance.
- Keep this manual for future reference.

## 3.1.2

### Additional Safety instructions for outdoor installation under a canopy

First follow the Safety instructions for outdoor installation general. Refer to section [3.1](#).



**Warning:**

- Installation under a canopy must be done by a qualified installer.
- Make sure the appliance is installed in a well-ventilated open area.
- Make sure that the clearances of the appliance, flue pipe, and roof terminal, to combustible materials, are according to section [5](#).
- Do not install the appliance directly against a combustible wall or non-combustible wall. Refer to section [5](#) for minimum clearances between the appliance and the wall.
- Install the appliance only with the prescribed vertical flue pipe and roof terminal. Refer to section [7.1](#)
- Safety distances (clearances) of an installation under a wooden canopy, refer to sections [5.1](#) and [5.2](#).
- Safety distances (clearances) of an installation under a canopy, made of non-combustible materials, refer to sections [5.1](#) and [5.2](#).



**Caution:**

- It is not allowed to connect the appliance to a chimney that is also connected to another appliance.

## 3.2

### Safety instructions with regard to the environment

- Dispose of the packing materials in an environmentally friendly way.
- Dispose of broken insulation panels as household waste, when replaced.
- Dispose of an obsolete appliance according to the instructions in section [14](#).
- Obey the national and local regulations.

## 4 Transport

---

### 4.1 Instructions for transporting and lifting the appliance

**Warning:**

- Only use the original packaging (wooden crate) ex factory for transporting the appliance.
- Only transport the appliance upright.
- Only lift the appliance at the bottom.
- Never lift the appliance by the doors.

**Caution:**

- Prevent the appliance from falling over.
- Prevent damage to the paint. The appliance and flue are coated with a heat-resistant paint, which is sensitive to damage.

**Note:**

- Paint damage on the appliance and flue can be touched up with a spray can of Barbas lacquer.

## 5 Clearances



### Warning:

- Obey the instructions in this section. Failure to follow these instruction can create a fire hazard.
- Do not put the appliance directly against a combustible or non-combustible wall.



### Caution:

Make sure that combustible materials near the appliance can never reach a temperature above 50 degrees Celsius.

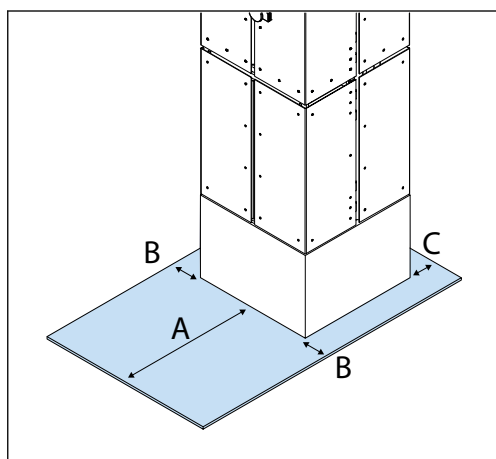
- BBQ Fire 40-150 outdoor installed (free-standing, general installation), refer to section [5.1](#).
- BBQ Fire 40-150 outdoor installed under a canopy, refer to sections [5.1](#) and [5.2](#).

### 5.1 Safety distances BBQ Fire 40-150 for outdoor installation general



### Caution:

Install a non-combustible floor protection plate (hearth) when the appliance is put on a combustible floor. To protect the floor against falling out burning chunks of wood and sparks. The width (B) of the floor protection plate must be minimum 30 cm from each side of the appliance. The depth of the floor protection plate in front of the appliance (A) is minimum 50 cm, when the floor protection plate is level with the floor. If the appliance is put on a combustible platform, make sure the depth of the non-combustible floor protection plate is the same size as the platform in front of the appliance.



**Table 1: Minimum sizes of the non-combustible floor protection plate for BBQ Fire 40-150  
- When Outdoor installed on a combustible floor.**

	Minimum sizes of the non-combustible floor protection plate for BBQ Fire 40-150 outdoor installed (free-standing or under a canopy)	
Label	Minimum sizes when installed on a combustible floor in cm	Minimum sizes when installed on a non-combustible floor in cm
A	50	Not applicable
B	30	Not applicable
C	5	Not applicable

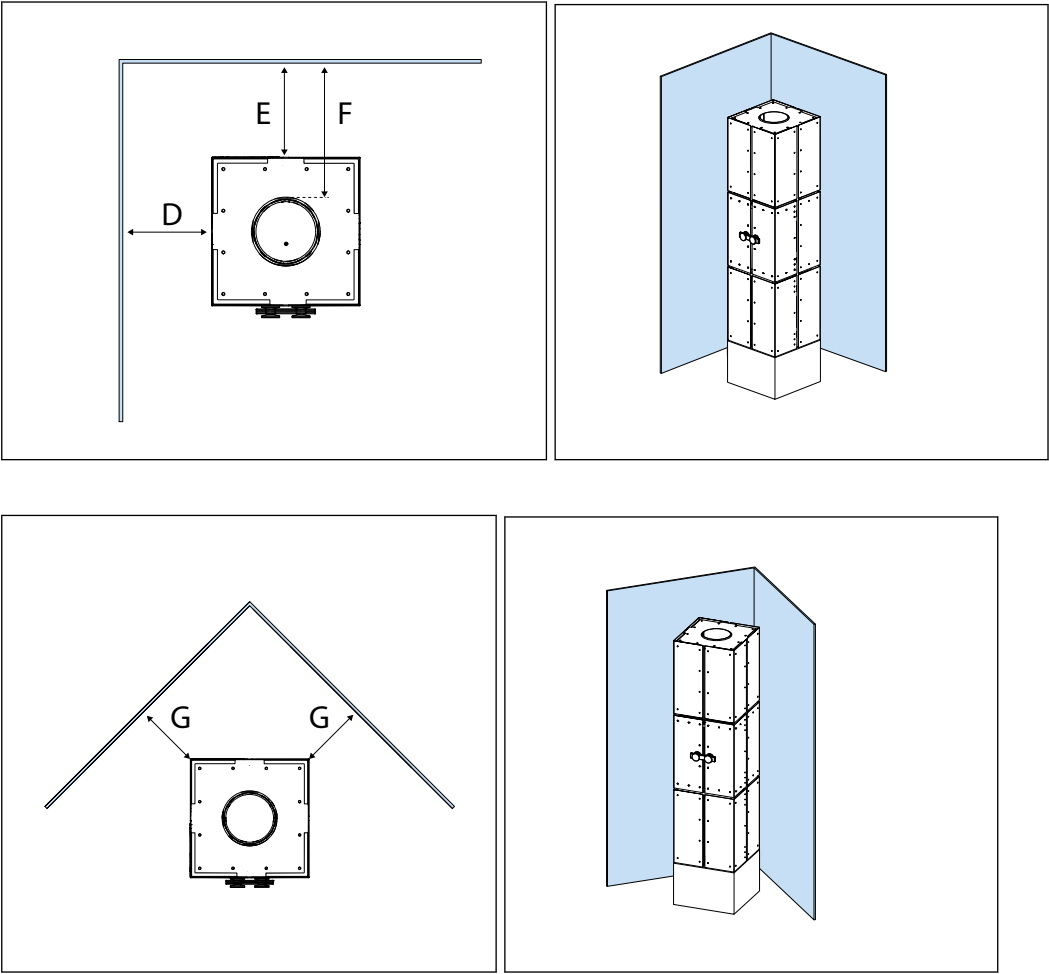


Table 2: Safety distances BBQ Fire 40-150 - Outdoor installed

BBQ Fire 40-150 outdoor installed (free-standing or under a canopy)			
Label	Minimum distance to combustible materials in cm	Remark	Minimum distance to non-combustible materials in cm
D	30		25
E	50		5
F	60		15
G	25		5

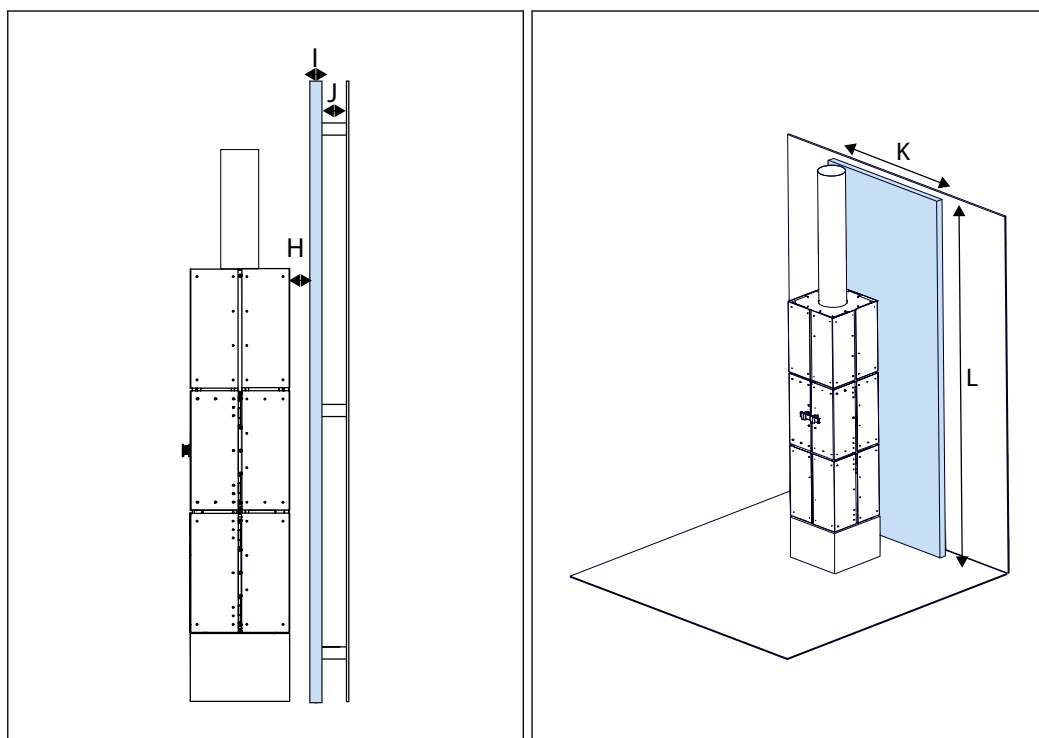


Table 3: Safety distances BBQ Fire 40-150 - Outdoor installed close to a back wall

BBQ Fire 40-150 outdoor installed (free-standing or under a canopy)			
Label	Minimum distance to combustible materials in cm / Size in cm	Remark	Minimum distance to non-combustible materials in cm
H	3	Minimum air gap between the back of the appliance and the insulation board	5
I	3	Minimum thickness insulation board (*)	Not applicable
J	3	Minimum air gap between the insulation board and the combustible back wall	Not applicable
K	100	Minimum width of the insulation board (*) (= width of the appliance + 2x 30cm)	Not applicable
L	200-300	Minimum height of the insulation board (*) is equal to the height between the floor and ceiling.	Not applicable

(\*) : Only use an insulation board with a thermal conductivity of maximum 0.10 W/m.K . Examples of suitable insulation board materials are:

- Promat Promatect L ( Thermal conductivity =  $\pm 0.083$  W/m.K )
- Skamol Skamotec 225 ( Thermal conductivity =  $\pm 0.070$  W/m.K )
- Skamol SkamoEnclosure Board / Super-Isol ( Thermal conductivity =  $\pm 0.07$  W/m.K )



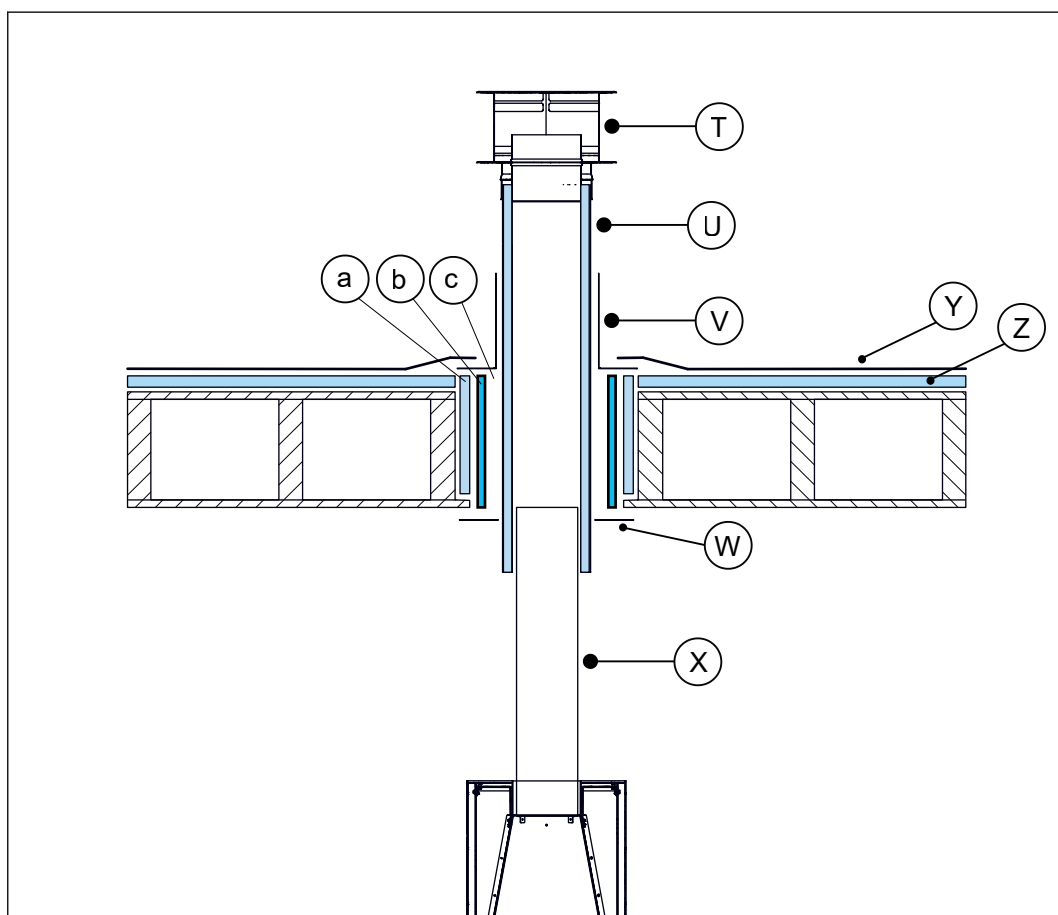
## 5.2 Additional Safety distances BBQ Fire 40-150 for outdoor installation under a canopy



### Warning:

- first follow the Safety distances BBQ Fire 40-150 for outdoor installation general. Refer to section [5.1](#).
- use the prescribed flue system parts for your installation. Refer to section [7.1](#).

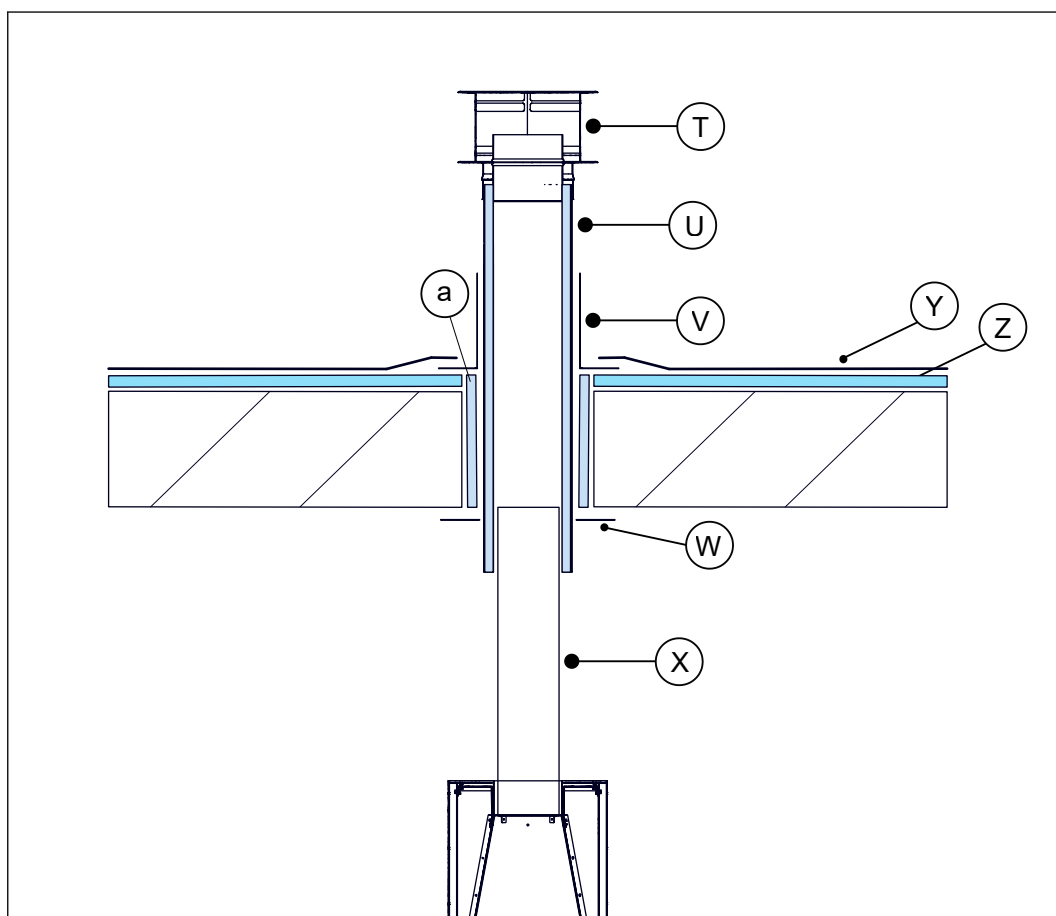
### Installation under a canopy made of combustible materials



**Table 4: Safety distances BBQ Fire 40-150 - Outdoor installed under a canopy made of combustible materials**

BBQ Fire 40-150 outdoor installed under a canopy made of combustible materials		
Label	Description	Minimum size in cm
a	Insulation blanket. Non-combustible ceramic wool	Minimum thickness: 5 cm
b	Insulation board. Non-combustible (*)	Minimum thickness: 2 cm
c	Air gap between the insulation board and the roof termination flue pipe	Minimum air gap: 2 cm
	Distance between top of the appliance and ceiling	Minimum distance: 50 cm
T	Roof terminal cap	
U	Roof termination flue pipe	
V	Roof flashing for flat roof	
W	Rosette for finishing ceiling	
X	Flue pipe	
Y	Bitumen roofing	
Z	Roof insulation board	
(*) : Only use an insulation board with a thermal conductivity of maximum 0.10 W/m.K . Examples of suitable insulation board materials are: <ul style="list-style-type: none"> <li>- Promat Promatect L ( Thermal conductivity = <math>\pm 0.083</math> W/m.K )</li> <li>- Skamol Skamotec 225 ( Thermal conductivity = <math>\pm 0.070</math> W/m.K )</li> <li>- Skamol SkamoEnclosure Board / Super-Isol ( Thermal conductivity = <math>\pm 0.07</math> W/m.K )</li> </ul>		

### Installation under a canopy made of non-combustible materials



**Table 5: Safety distances BBQ Fire 40-150 - Outdoor installed under a canopy made of non-combustible materials**

BBQ Fire 40-150 outdoor installed under a canopy made of non-combustible materials		
Label	Description	Minimum size in cm
a	Insulation blanket. Non-combustible ceramic wool	Minimum thickness: 2 cm
	Distance between top of the appliance and ceiling	Minimum distance: 50 cm
T	Roof terminal cap	
U	Roof termination flue pipe	
V	Roof flashing for flat roof	
W	Rosette for finishing ceiling	
X	Flue pipe	
Y	Bitumen roofing	
Z	Roof insulation board	

## 6 Installation requirements

### 6.1 Requirements on the installation of the appliance

- Make sure the location agrees with the safety requirements. Refer to section [3](#).
- Make sure that the installation will agree with clearance requirements. Refer to section [5](#).
- Make sure the floor is made of concrete or another non-combustible material.
- Make sure the floor is stable and as flat as possible. Fine adjustment of the level of the appliance is still possible afterward.
- Make sure the floor can support the weight of the appliance. Refer to section [12.1](#) for the weight of the appliance.
- Make sure that the floor temperatures below and in front of the appliance cannot be higher than 50 °C, during use of the appliance. Refer to section [5](#).
- The non-combustible floor must have a width that extends at least 30 cm from each side of the appliance and a minimum depth of 50 cm in front of the appliance according the requirements in section [5](#).

#### **Additional requirements when installing the appliance under a canopy (permanent installation)**

- Make sure that the entire installation of the appliance, the flue gas outlet and the roof terminal, complies with national and local building regulations and fire safety regulations.
- Make sure the space under the canopy is a well-ventilated open area.
- Make sure to keep the appliance dry to prevent rusting. Also, prevent the appliance from getting wet from driving rain.
- Make sure the ceiling temperatures above the appliance cannot be higher than 50 °C, during use of the appliance. Refer to section [5.2](#).
- Make sure the prescribed vertical flue pipe is well installed on the appliance. Refer to section [9](#).
- Make sure the prescribed roof terminal is well connected to the vertical flue pipe and well installed on the canopy. Refer to section [9](#).
- Make sure the minimum clearance, between the outer pipe of the roof terminal and the canopy opening, is according to section [5.2](#).
- Make sure the roof terminal outlet position obeys the national and local applicable regulations.
- Make sure the roof terminal outlet is minimum 0.5 meter above the canopy.
- The roof terminal outlet must be free from any objects (buildings, trees, etc.) within a horizontal range of minimum 5 meter.

## 7 Accessories

### 7.1 Requirements on the accessories of the appliance



**Warning:**

- use the prescribed accessory parts for your installation. Refer to the table underneath and the installation section .

**Table 6: Requirements on the accessories**

Accessories			
Art. No.	Description	Prescribed for free-standing installation	Prescribed for installation under a canopy
353645	Flue pipe, single wall, inner diameter Ø180 mm, L=0.5 m. - Stainless steel - Black	X	
353646	Flue pipe, single wall, inner diameter Ø180 mm, L=1.0 m. - Stainless steel - Black	(X)	X
353644	Roof termination flue pipe, insulated wall, outer diameter Ø179 mm connection, L=1.0 m. - Stainless steel - Black		X
353641	Roof terminal cap - Stainless steel - Black		X
353642	Roof flashing for flat roof - Stainless steel - Black		X
353643	Rosette for finishing ceiling - Stainless steel - Black		X
3536XX	Rain cover	X	

## 8 Installation - Outdoor - Free-standing

### 8.1 Install the appliance

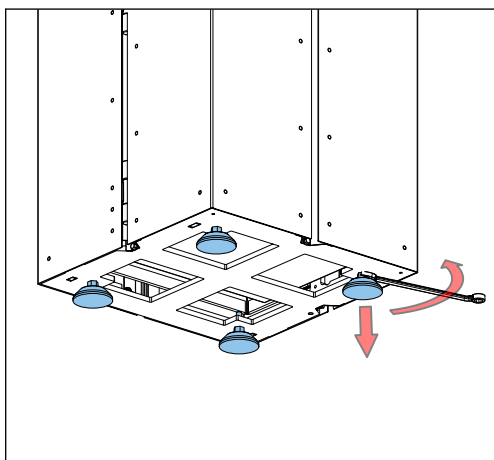
**Caution:**

During the operation of the appliance, the outer side of the appliance and the flue pipe becomes hot. Refer to section 5.1 for minimum distances to combustible material.

**Note:**

For an outdoor installation under a canopy, go to section 9.

1. Place the appliance with the natural stone base outside in the garden or terrace. Refer to section 3.
2. Obey the safety distances. Refer to section 5.1.
3. If necessary, put a non-combustible floor protection plate (hearth) under the base. Refer to section 5.1.
4. Place the natural stone base. Make sure it is level.
5. Carefully place the appliance on the natural stone base.
6. Make sure the appliance is installed level. If necessary, adjust the adjustable feet with a 14 mm fork spanner. Use a spirit lever.



7. Place a Ø180mm flue gas pipe on the appliance.

## 9 Installation - Outdoor - Under a canopy

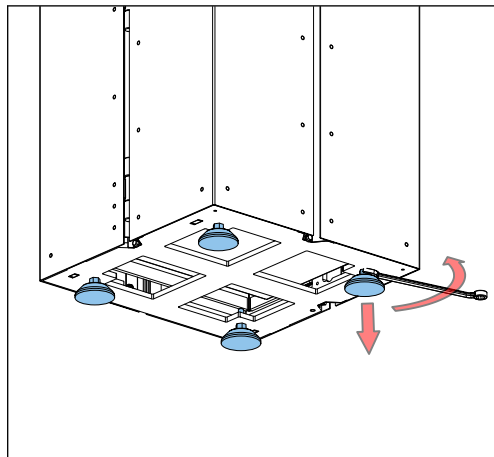
### 9.1 Install the appliance



**Caution:**

During the operation of the appliance, the outer side of the appliance, the flue pipe, and the roof terminal become hot. Refer to section 5.2 for minimum distances to combustible material.

1. Place the appliance outside under a canopy. Refer to section 3.
2. Obey the safety distances. Refer to section 5.2.
3. If necessary, put a non-combustible floor protection plate (hearth) under the base. Refer to section 5.1.
4. Place the natural stone base. Make sure it is level.
5. Carefully place the appliance on the natural stone base.
6. Make sure the appliance is installed level. If necessary, adjust the adjustable feet with a 14 mm fork spanner. Use a spirit level.



7. Install the prescribed roof terminal (accessory) on the canopy.
8. Make sure that the flue gas connection on the appliance is properly aligned with the roof terminal in the ceiling of the canopy.
9. Use the required number of prescribed Ø180mm flue gas pipes (accessory), to make the connection between the flue gas connection on the appliance and the roof terminal .
10. Obey the safety distances of the flue pipe and roof terminal in relation to the canopy. Refer to section 5.2 .

## 10 Fire screen

**Warning:**

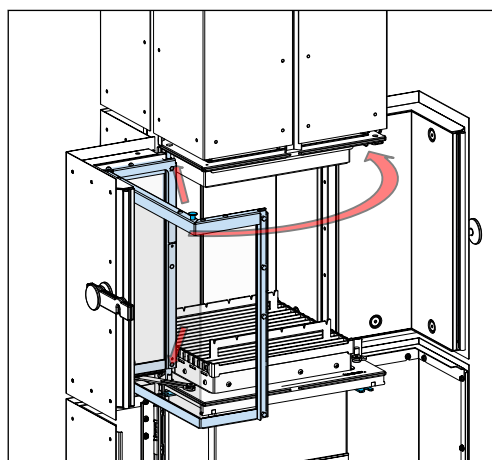
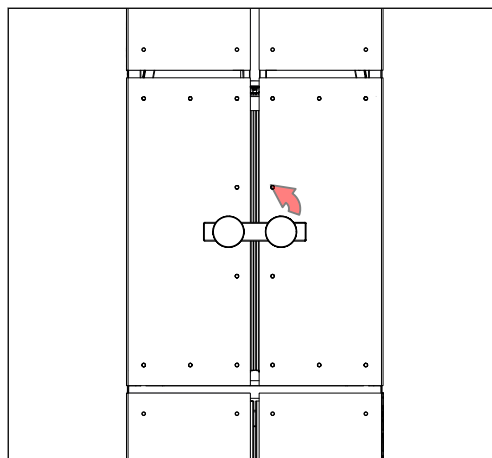
- Use the fire screen and keep the doors of the combustion chamber open, when the appliance is in use as an open fireplace.
- Do not touch the fire screen, when the fire is burning. The screen can become very hot!
- Do not use the fire screen when the appliance is in use as a barbecue.

**Note:**

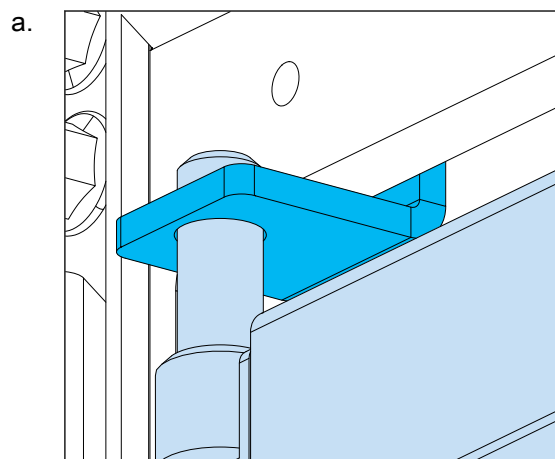
The fire screen will prevent direct physical contact with the flames and will reduce eventual smoke leakage to the front.

**Install the fire screen**

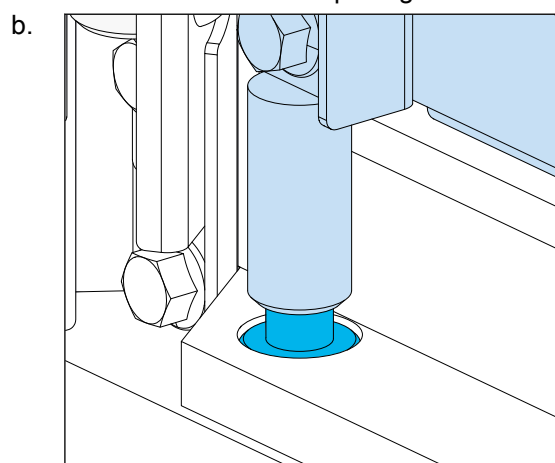
1. Open the doors of the combustion chamber by lifting the door handle on the right side.
2. Open the doors of the storage chamber by pulling them forward.
3. Place the fire screen in front of the combustion chamber.



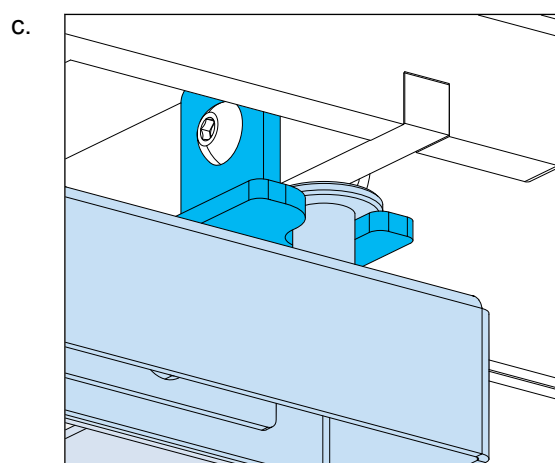




First slide the top hinge pin of the fire screen all the way up into the hole at the top left of the combustion chamber opening.



Then lower the fire screen a little so that the bottom hinge pin slides into the hole, which is located at the bottom left of the combustion chamber opening.

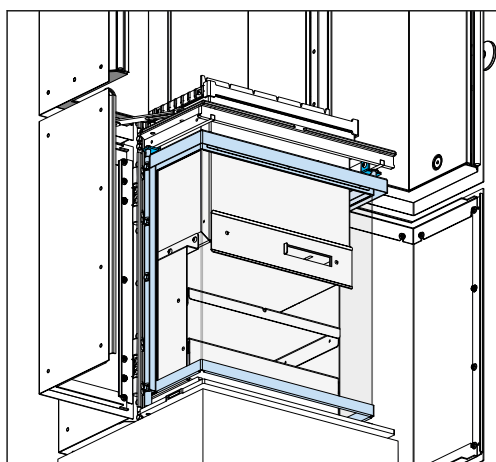
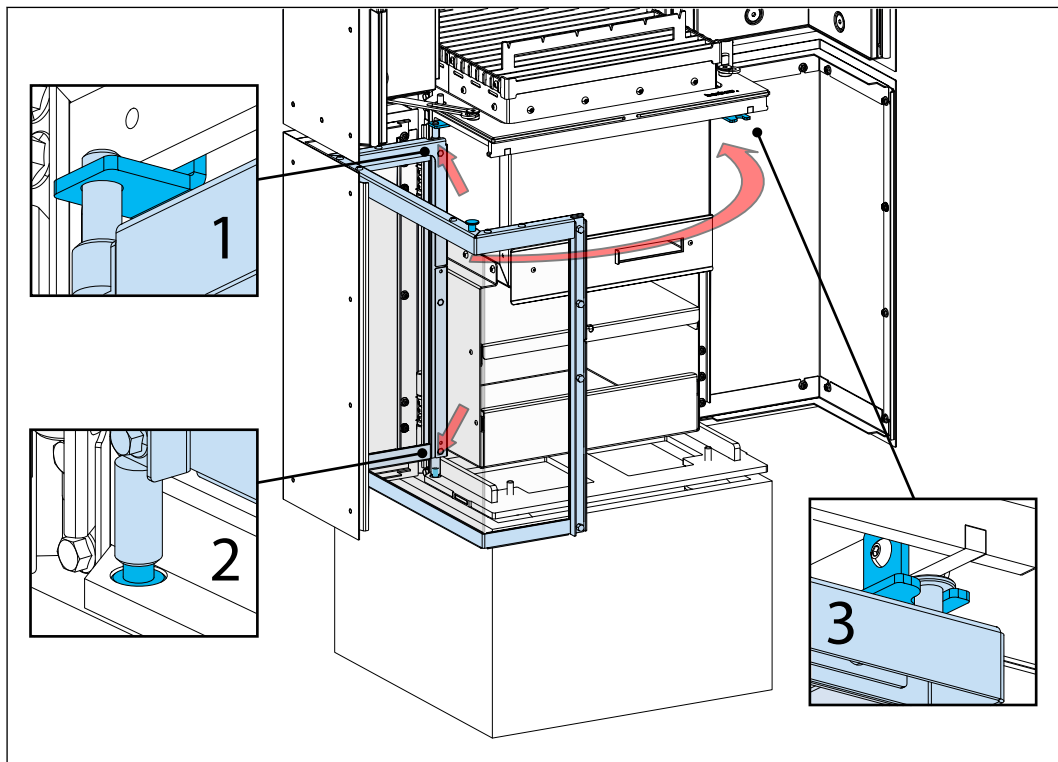


Close the fire screen and lock it with the locking pin. To do this, press the locking pin into the slot opening intended for this purpose, at the top right of the combustion chamber opening.

4. Keep the doors of the combustion chamber open

**Stow the fire screen**

1. Open the doors of the storage chamber by pulling them forward.



2. Place the fire screen in the storage chamber. The placement order is the same as the placement in front of the combustion chamber.
3. Close the doors of the storage chamber.

## 11 Maintenance

### 11.1 Maintenance schedule

**Caution:**

Clean the complete inside and outside of the appliance when it is dirty.

**Table 7: Maintenance schedule**

Task	Frequency	Procedure
Clean the BBQ grill grate	When necessary	Refer to section <a href="#">11.2</a>
Remove the ashes	When necessary	Refer to section <a href="#">11.3</a>
Clean the inside of the appliance	When necessary	Refer to section <a href="#">11.4</a>
Clean the outside of the appliance	When necessary	Refer to section <a href="#">11.4</a>
Flue pipe sweep	Yearly (or more often when necessary)	Refer to the Installation and maintenance manual
Appliance inspection	Yearly	Refer to the Installation and maintenance manual

### 11.2 Clean the BBQ grill grate

1. Make sure the appliance has cooled down and there are no glowing embers in the combustion chamber.
2. Open the doors of the combustion chamber and remove the BBQ grill grate.
3. Remove the worst soot and dirt with a stainless steel wire barbecue brush.
4. Soak the BBQ grill grate overnight in soapy water with cleaning soda.
5. Clean it after this with a scouring pad.
6. Rinse and dry with a lint-free cloth.
7. Put the BBQ grill grate back in place and close the doors of the combustion chamber.

**Note:**

Also lemon is a panacea for cleaning the BBQ grill grate. Cut a lemon in half and grease the entire grate with it. Let the lemon juice soak in for two hours and you can easily wipe off the food residue with a lint-free cloth or sponge. Lemon juice is also ideal for degreasing between grilling. Prick half a lemon on a fork, rub it over the warm grid and all the excess fat will dissolve easily.

### 11.3 Remove the ashes

1. Make sure that the appliance has cooled down and there are no glowing embers.
2. Open the doors of the combustion chamber and remove the BBQ grill grate.
3. Remove the upper internal firebox with the upper fire bottom. Clean them with a soft brush.
4. Remove the lower fire bottom with a poker. Clean it with a soft brush.
5. Open the doors of the storage chamber.
6. Remove the ashtray and clean it.

7. Make sure that the ash ends up with the residual waste.

**Note:**

The ash can also be used for the following useful purposes:

- to fertilize the vegetable garden. The ash contains minerals such as potassium, calcium, and other substances that are very good for the plants in the garden.
- against snails. Snails don't like to crawl over ashes and will then look elsewhere for food.
- for spreading it out over the lawn. The ash is a good substitute for lime. The ash is even much richer in minerals than lime.

8. Put the ashtray back in place.
9. Put all parts back in the appliance in reverse order.

## 11.4

### Clean the inside and outside of the appliance

**Warning:**

Before the start of this procedure make sure the appliance has completely cooled down to ambient temperature and all ashes have been removed.

**Caution:**

- Do not use soapy water or any other cleaning agent for the insulation panels.
- Do not use aggressive cleaning agents to clean the inside and outside of the appliance.
- Do not use hard (scouring) sponges, steel wool, or abrasives. The use of these products will damage the lacquer.

1. Make sure the appliance has cooled down and all ashes have been removed.
2. Clean the insulation panels with a soft brush.
3. Clean the firebox and ashtray with a little soapy water. Use a slightly damp cloth and wipe it immediately afterwards with a dry lint-free cloth.
4. Clean the outside of the appliance with a little soapy water. Use a slightly damp cloth and wipe it immediately afterwards with a dry lint-free cloth.
5. Make sure that the inside and outside of the appliance is dry. Water droplets can leave marks. If the appliance has become wet from the rain, dry it thoroughly after use and protect it with the rain cover (accessory).

**Note:**

- Damaged or broken insulation panels must be replaced before the appliance can be used again.
- Paint damage can be easily repaired with a BARBAS aerosol heat-resistant stove lacquer.

## 11.5

### Removal of the interior of the combustion chamber

**Note:**

For flue pipe sweep work, only remove the control slide. Refer to steps 1, 2 and 3 of this section.



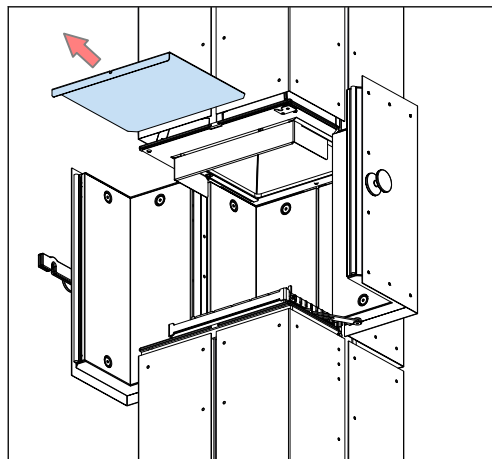
**Note:**

Make sure to remove all ashes and unburnt wood from the combustion chamber and ashtray before the start of this procedure.

1. Remove the control slide. Refer to section [11.5.1](#).
2. Remove the BBQ grill grate. Refer to section [11.5.2](#).
3. Remove the upper fire bottom. Refer to section [11.5.3](#).
4. Remove the upper internal firebox. Refer to section [11.5.4](#).
5. Remove the lower fire bottom. Refer to section [11.5.6](#).
6. Remove the ashtray. Refer to section [11.5.7](#).
7. Remove the insulation panels, when damaged or broken. Refer to section [11.5.8](#).

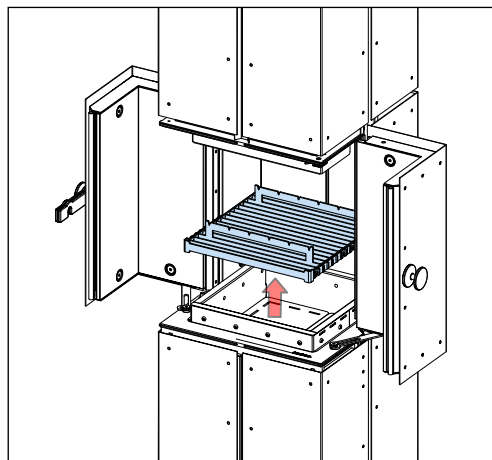
## 11.5.1 Remove the control slide

1. Open the doors of the combustion chamber.
2. pull the control slide all the way forward and remove it.



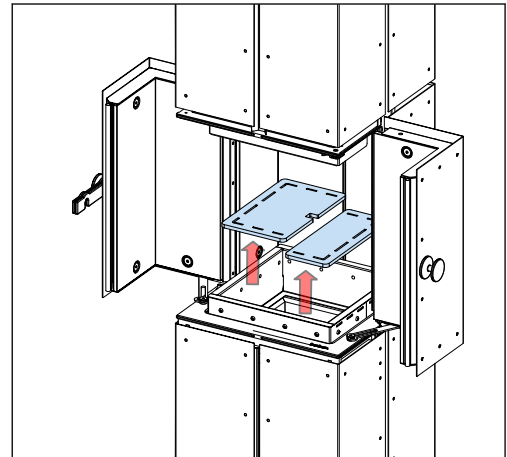
## 11.5.2 Remove the BBQ grill grate

- Lift the BBQ grill grate and remove it.



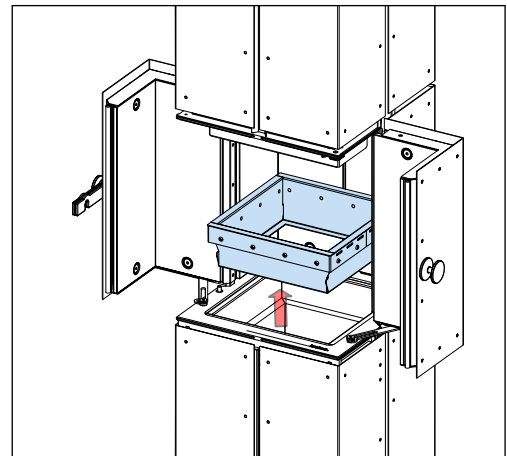
## 11.5.3 Remove the upper fire bottom

1. Lift the upper fire bottom (left and right), which is located in the upper firebox.
2. Remove the upper fire bottom (left and right).



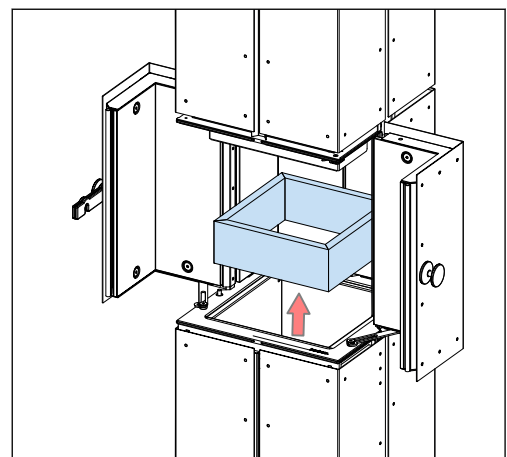
#### 11.5.4 Remove the upper internal firebox

1. Lift the upper internal firebox, which is located in the firebox.
2. Remove the upper internal firebox.



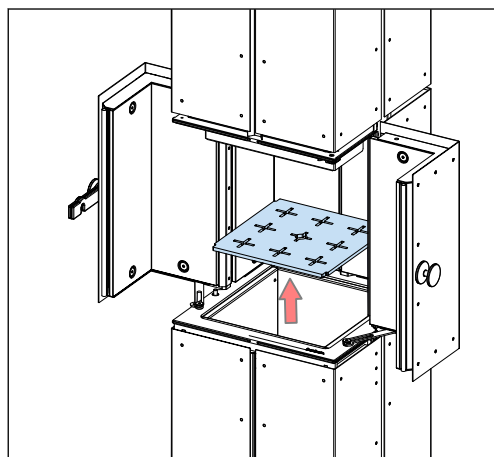
#### 11.5.5 Remove the insulation panels out of the firebox

- Lift and remove the insulation panels, which are located under in the firebox.



#### 11.5.6 Remove the lower fire bottom

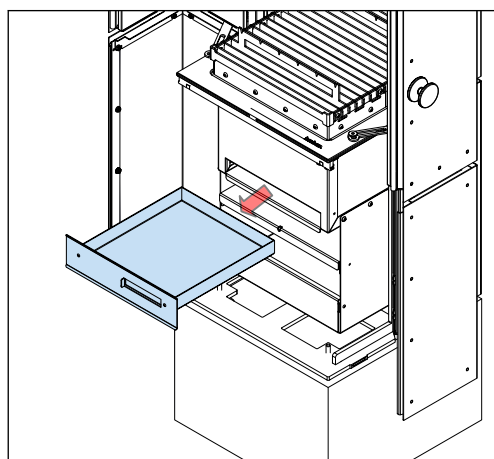
1. Lift the lower fire bottom, which is located in the firebox.
2. Remove the lower fire bottom.



## 11.5.7

### Remove the ashtray

1. Open the doors of the storage chamber.
2. pull the ashtray all the way forward and remove it.

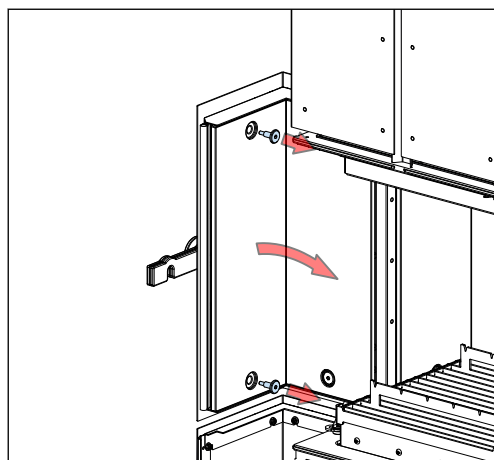


## 11.5.8

### Remove the insulation panels

Only do this procedure if an insulation panel is damaged or broken.

1. Open the doors of the combustion chamber.
2. Use a No. 5 Allen key to loosen the bolts holding the insulation panel.
3. Remove the insulation panel.
4. Do steps 1. to 3. again for the other insulation panels.



## 11.6 Installation of the interior of the combustion chamber

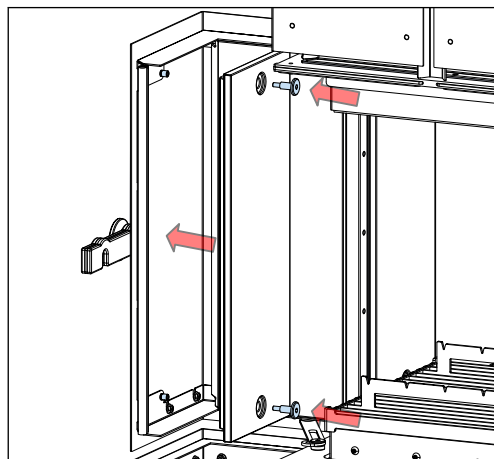
**Note:**

To avoid that interior pieces do not fit, make sure all ashes are removed.

1. Install the insulation panels, if replacement is necessary. Refer to section [11.6.1](#).
2. Install the ashtray. Refer to section [11.6.2](#).
3. Install the lower fire bottom. Refer to section [11.6.3](#).
4. Install the upper internal firebox. Refer to section [11.6.5](#).
5. Install the upper fire bottom. Refer to section [11.6.6](#).
6. Install the BBQ grill grate. Refer to section [11.6.7](#).
7. Install the control slide. Refer to section [11.6.8](#).

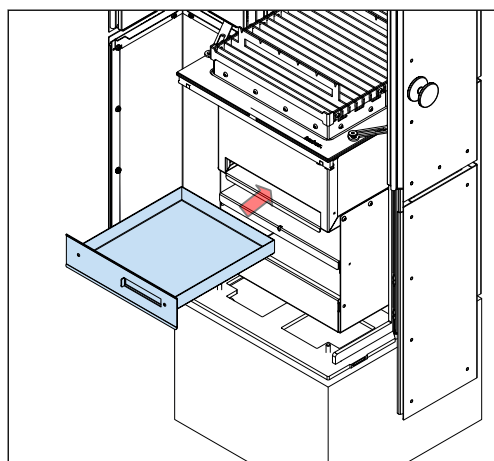
### 11.6.1 Install the insulation panels

1. Put the insulation panel over the two holders in the door of the combustion chamber.
2. Use a No. 5 Allen key to mount the bolts that secure the insulation panel.
3. Repeat this procedure for the other insulation panels.



### 11.6.2 Install the ashtray

1. Slide the ashtray completely into the compartment provided for this purpose.
2. Make sure the control slider on the ashtray works properly.
3. Close the doors of the storage chamber.

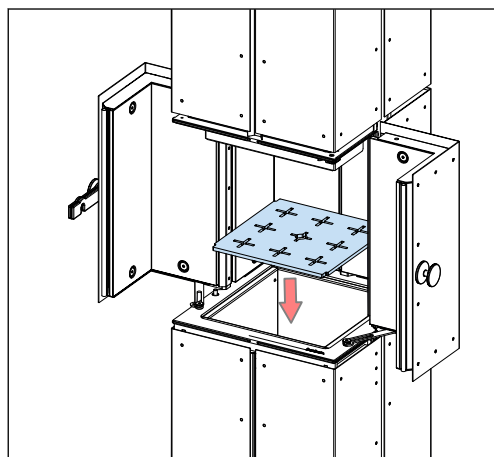


### 11.6.3 Install the lower fire bottom

- Use the lower fire bottom only for charcoal combustion, for grilling purposes.

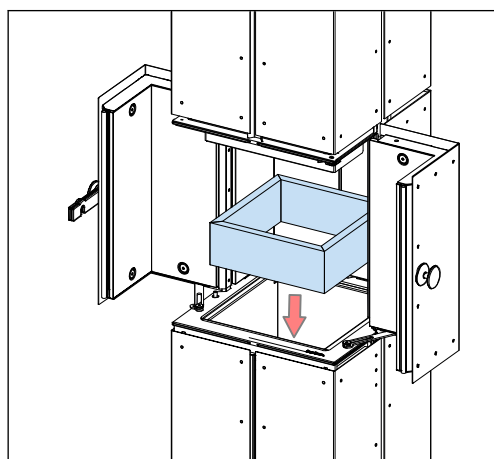


1. Put the lower fire bottom carefully at the bottom of the firebox.
2. Make sure that the lower fire bottom rests properly and flat on the side brackets.



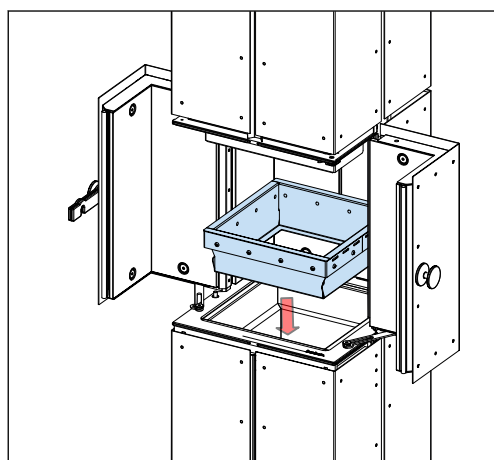
## 11.6.4 Install the insulation panels into the firebox

- Carefully install the insulation panels into the firebox.



## 11.6.5 Install the upper internal firebox

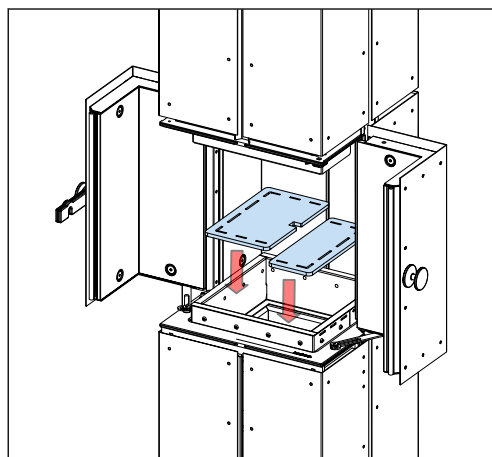
- Use the upper internal firebox, with the upper fire bottom, for wood combustion, or to place the drip pan on it when grilling with indirect heat (slow cooking).
1. Put the upper internal firebox into the firebox.
  2. Make sure the edges fit snugly.



## 11.6.6 Install the upper fire bottom

- Use the upper fire bottom, for wood combustion, or to place the drip pan on it when grilling with indirect heat (slow cooking).

1. Put the upper fire bottom carefully in the upper internal firebox.
2. Make sure that the upper fire bottom rests properly and flat on the side brackets.

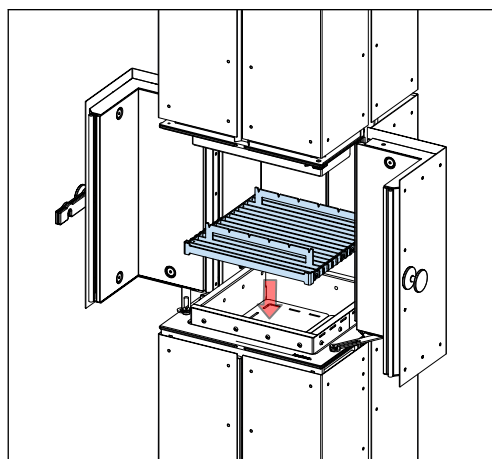


### 11.6.7

#### Install the BBQ grill grate

- Install the BBQ grill grate with the holders down for standard barbecuing.
- Install the BBQ grill grate with the holders up for barbecuing with skewers.
- Use the BBQ grill grate only for barbecue purposes.

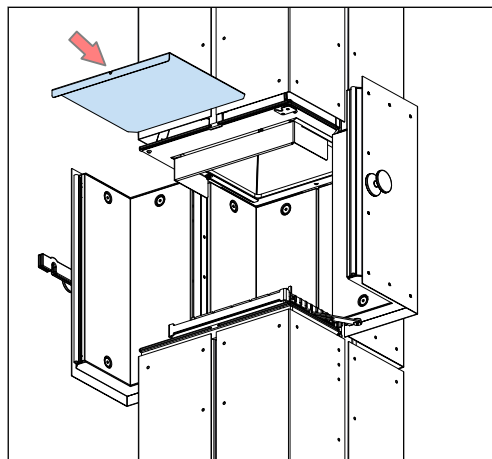
1. Put the BBQ grill grate carefully on the upper internal firebox.
2. Make sure the BBQ grill grate is neat and flat on the edges.



### 11.6.8

#### Install the control slide

- Only do this procedure when one does grilling with indirect heat (slow cooking).
- Slide the control slide all the way into the appropriate opening, just above the combustion chamber.



## 12 Technical data

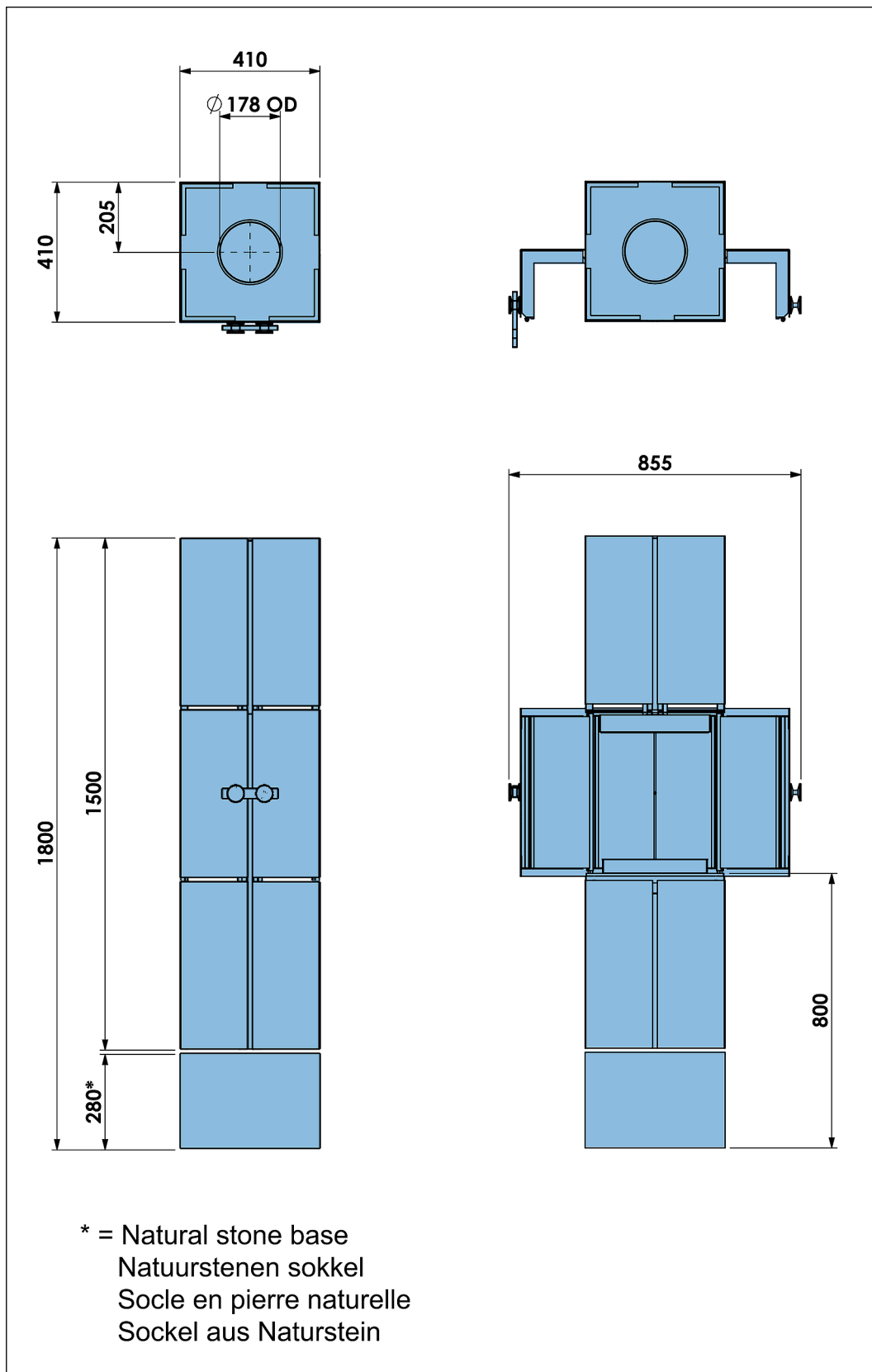
### 12.1 Technical data

Name	Barbas
Model	BBQ Fire 40-150
<b>Operation as an open fireplace:</b>	
<ul style="list-style-type: none"> <li>Fuel</li> <li>Nominal fuel load</li> <li>Flue gas temperature (Doors combustion chamber open)</li> </ul>	<ul style="list-style-type: none"> <li>Wood logs, Wood briquettes</li> <li>2.3 kg</li> <li>150 °C</li> </ul>
<b>Operation as a barbecue:</b>	
<ul style="list-style-type: none"> <li>Fuel</li> <li>Nominal fuel load</li> <li>Flue gas temperature (Doors combustion chamber closed)</li> </ul>	<ul style="list-style-type: none"> <li>Charcoal</li> <li>1.0 kg</li> <li>250 °C</li> </ul>
Flue gas connection	Outer diameter 178 mm, suitable for a flue pipe with an inner diameter of 180 mm
<b>Weight</b>	
<ul style="list-style-type: none"> <li>BBQ Fire 40-150 with single wall flue pipe (accessory)</li> <li>BBQ Fire 40-150 with roof terminal (accessory)</li> <li>Natural stone base</li> </ul>	<ul style="list-style-type: none"> <li>140 kg</li> <li>145 kg</li> <li>35 kg</li> </ul>
<b>Minimum distance to combustible materials:</b>	
<ul style="list-style-type: none"> <li>Front</li> <li>side wall</li> <li>back wall</li> <li>floor</li> <li>ceiling</li> </ul>	<ul style="list-style-type: none"> <li>2.0 m</li> <li>0.3 m</li> <li>0.5 m</li> <li>0.0 m(*)</li> <li>0.5 m</li> </ul> <p>(*): Install a non-combustible floor plate (hearth) to protect the floor. Refer to section <a href="#">5</a></p>
<b>Used materials:</b>	
<ul style="list-style-type: none"> <li>Base</li> </ul>	Natural stone
<ul style="list-style-type: none"> <li>Appliance body / Combustion chamber / Ashtray</li> </ul>	Steel
<ul style="list-style-type: none"> <li>Combustion chamber insulation panels</li> </ul>	Reinforced concrete 1400 kg/m <sup>3</sup>
<ul style="list-style-type: none"> <li>Firebox / Control slide</li> </ul>	Stainless steel
<ul style="list-style-type: none"> <li>Firebox insulation panels</li> </ul>	Vermiculite 950 kg/m <sup>3</sup>
<ul style="list-style-type: none"> <li>BBQ grill grate</li> </ul>	Stainless steel
<ul style="list-style-type: none"> <li>Fire screen</li> </ul>	Stainless steel

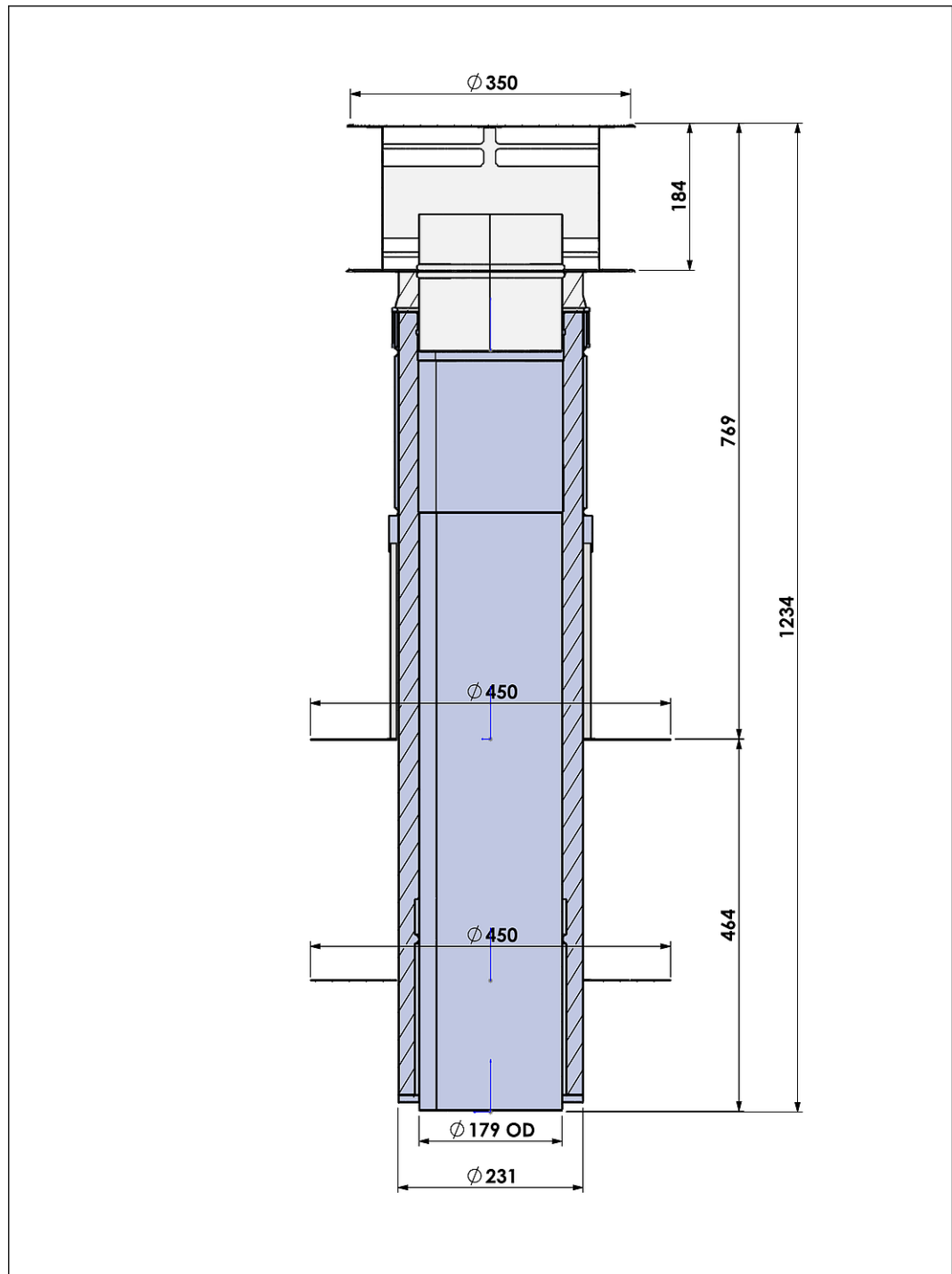
• Heat resistant glove	Leather
<p>Accessories:</p> <ul style="list-style-type: none"> <li>• Flue pipe, single wall, inner diameter Ø180 mm, L=0.5 m. - Black</li> <li>• Flue pipe, single wall, inner diameter Ø180 mm, L=1.0 m. - Black</li> <li>• Roof termination flue pipe, insulated wall, inner diameter Ø180 mm, L=1.0 m. - Black</li> <li>• Roof terminal cap - Black</li> <li>• Roof flashing for flat roof - Black</li> <li>• Rosette for finishing ceiling - Black</li> <li>• Rain cover</li> </ul>	<ul style="list-style-type: none"> <li>• Stainless steel</li> <li>• Stainless steel</li> <li>• Stainless steel</li> <li>• Stainless steel</li> <li>• Stainless steel</li> <li>• Stainless steel</li> <li>• Polyester</li> </ul>
<p>The specific precautions that shall be taken when the BBQ Fire 40-150 is assembled, installed, maintained or used, are listed in the attached documents:</p>	<ul style="list-style-type: none"> <li>• Installation and maintenance manual</li> <li>• User manual</li> </ul>

## 13 Dimensions

### 13.1 Dimensions BBQ Fire 40-150



## 13.2 Dimensions Roof Terminal BBQ Fire 40-150



The complete roof terminal consists of the roof termination pipe, terminal cap, flat roof flashing, and a rosette for finishing the ceiling. Refer to section [7.1](#).

## 14 Information on disposal of the appliance

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- Dispose of an obsolete appliance according to instructions of the authorities or the installer.
- The information in this section is informative. Always obey the national and local regulations on recycling and disposal of the appliance or parts of the appliance.
- Before disassembly and disposal of the appliance, remove ashes and unburnt fuel from the appliance. Dispose ashes as rest waste. Do not dispose ashes as organic waste.

**Table 8: Recycling/disposal of the appliance components**

Appliance component	Material	Disassembly	Recycling / Disposal
Base	Natural stone	Remove from appliance	Dispose as building construction waste (stone)
Combustion chamber	Steel	Refer to the Installation Manual	Dispose as metal waste
Combustion chamber walls	Concrete	Refer to the Installation Manual	Concrete in contact with combustion gases cannot be re-used. Dispose as building construction waste (stone)
Combustion chamber control slide	Stainless steel	Remove from appliance	Dispose as metal waste
Appliance body	Steel	Make sure to remove all components other than metal	Dispose as metal waste
Appliance doors	Steel	Make sure to remove all components other than metal	Dispose as metal waste
BBQ grill grate	Stainless steel	Remove from appliance	Dispose as metal waste
Fire screen	Stainless steel	Remove from appliance	Dispose as metal waste
Upper internal firebox	Stainless steel	Remove from appliance	Dispose as metal waste
Upper fire bottom	Steel	Remove from appliance	Dispose as metal waste
Firebox	Stainless steel	Remove from appliance	Dispose as metal waste
Firebox walls	Vermiculite	Refer to the Installation Manual	Vermiculite in contact with combustion gases cannot be re-used or recycled. Dispose as rest waste
Lower fire bottom	Steel	Remove from appliance	Dispose as metal waste
Ash tray	Steel	Remove from appliance	Dispose as metal waste
Gaskets	Glass fibre cord or plates	Remove from appliance and components	Dispose as glass fibre. (non-combustible waste)
Heat resistant glove	Leather	Remove from appliance	Dispose as textile waste



**Table 9: Recycling/disposal of the optional appliance components**

Optional appliance component	Material	Disassembly	Recycling / Disposal
Flue pipe	Stainless steel	Remove from appliance	Dispose as metal waste
Roof termination pipe	Stainless steel	Remove from appliance	Dispose as metal waste
Insulation roof termination pipe	Ceramic wool	Remove from roof termination pipe	Dispose as rest waste
Roof terminal cap	Stainless steel	Remove from appliance	Dispose as metal waste
Roof flashing	Stainless steel	Remove from appliance	Dispose as metal waste
Rosette	Stainless steel	Remove from appliance	Dispose as metal waste
Rain cover	Polyester	Remove from appliance	Dispose as rest waste

## 15 Warranty Terms

To make a claim under the warranty, it is important to register the Barbas appliance after purchase via [www.barbasbellfires.com](http://www.barbasbellfires.com).

### Barbas Bellfires Warranty Terms

Barbas Bellfires B.V. guarantees the quality of the supplied Barbas appliance and the quality of the materials used. All Barbas appliances are developed and manufactured according to the highest possible quality standards. If, despite all this, something should prove amiss with the Barbas appliance you have purchased, Barbas Bellfires B.V. offers the following manufacturer's warranty.

#### Article 1: Warranty

1. If Barbas Bellfires B.V. determines that the Barbas appliance you have purchased is defective as a result of a flaw in the construction or material, Barbas Bellfires B.V. guarantees to repair or replace the appliance free of charge, without charging any costs for labor or spare parts.
2. Repair or replacement of the Barbas appliance will be undertaken by Barbas Bellfires B.V. or by a Barbas dealer as designated by Barbas Bellfires B.V.
3. This warranty is supplementary to the existing legal national warranty of Barbas dealers and Barbas Bellfires B.V. in the country of purchase and is not intended to restrict your rights and claims based on the applicable legal provisions.

#### Article 2: Warranty conditions

1. Should you wish to claim under the warranty, please contact your Barbas supplier.
2. Complaints should be reported as quickly as possible after they have manifested themselves.
3. Complaints will only be accepted if they are reported to the Barbas supplier, together with the serial number of the Barbas appliance which is stated on the enclosed documents.
4. In addition, the original receipt (invoice, receipt, cash receipt) showing the date of purchase must also be submitted.
5. Repairs and replacements during the warranty period do not give any entitlement to an extension of the warranty period. After a repair or replacement of warranty parts, the warranty period shall be deemed to have started on the date of purchasing the Barbas appliance.
6. If a certain part is eligible for the warranty and the original part is no longer available, Barbas Bellfires B.V. shall ensure that an alternative part of at least the same quality shall be provided.

#### Article 3: Warranty exclusions

1. The warranty on the Barbas appliance ceases to be in effect if:
  - a. it is not installed according to the installation instructions, and to national and/or local regulations;
  - b. it has not been used or maintained according to the instructions for use;
  - c. it has been changed, neglected or roughly treated;
  - d. it has been damaged as a result of external causes (outside the appliance itself), for example, lightning strike, water damage or fire;
2. In addition, the warranty lapses if the original purchase receipt shows any change, deletion, removal or if it is illegible.

## **Article 4: Warranty area**

1. The warranty is only valid in those countries where Barbas appliances are sold through an official distribution network.

## **Article 5: Warranty period**

1. This warranty will only be granted during the warranty period.
2. The body of the Barbas appliance is guaranteed for a period of 10 years against construction and/or material faults, starting from the moment of purchase.
3. For other parts of the Barbas appliance, a similar warranty applies from the moment of purchase for a period of two years.
4. For user parts such as sealing cord and the interior of the combustion chamber, a similar guarantee is given until after the first burning.

## **Article 6: Liability**

1. A claim granted by Barbas Bellfires B.V. under this warranty does not automatically imply that Barbas Bellfires B.V. also accepts liability for any possible damage. The liability of Barbas Bellfires B.V. never extends further than that stated in these warranty conditions. Any liability of Barbas Bellfires B.V. for consequential damage is expressly excluded.
2. That stated in this provision is not valid if and to the extent that it derives from a mandatory provision.
3. All agreements entered into by Barbas Bellfires B.V. are, unless specifically stated otherwise in writing and to the extent that they are permitted based on applicable law, subject to the FME-CWM general sales and delivery conditions for the technology industry.

Barbas Bellfires B.V.

Hallenstraat 175531 AB Bladel

The Netherlands

Tel: +31-497339200

Email: [info@Barbas.com](mailto:info@Barbas.com)

Carefully retain the enclosed documents; they show the serial number of the appliance. You will need this if you wish to claim under the warranty.

# barbas .

Your Barbas dealer