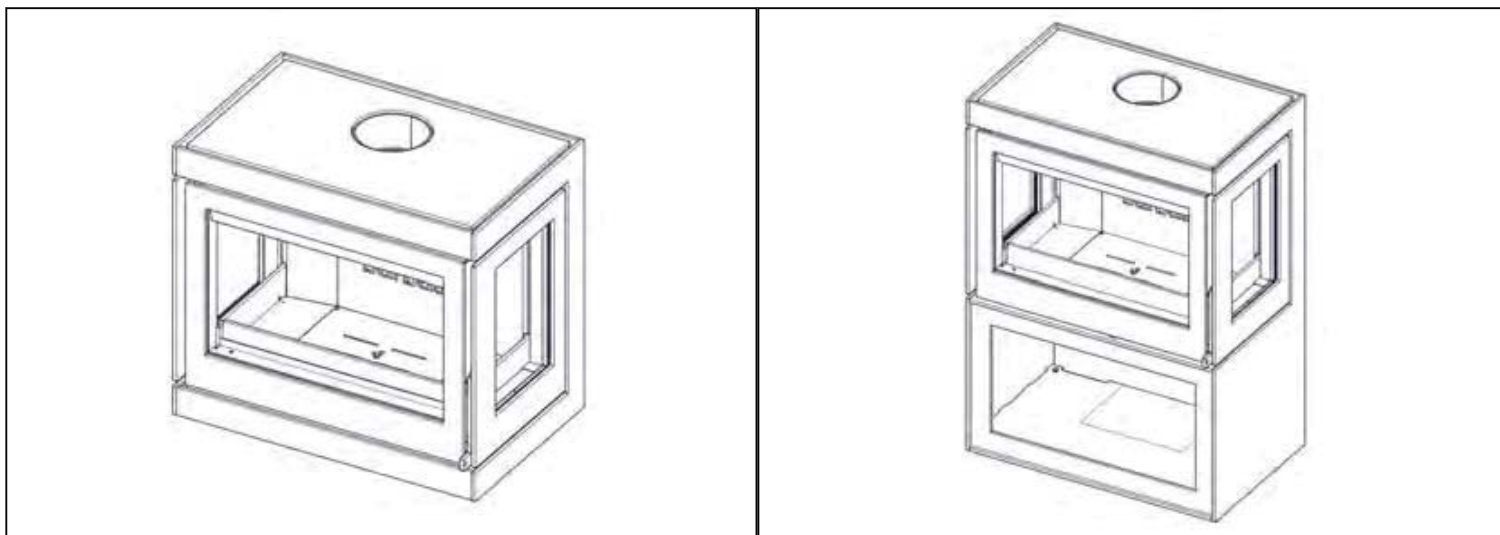


barbas . wood fires

Installation and maintenance manual

BOX Panorama 65



Serial number:

Production date:

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1 Declaration of Performance

1.1 BOX Panorama 65

barbas bellfires

fire
for
life

Declaration of Performance

According to regulation (EU) 305/2011

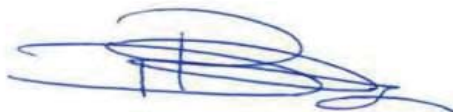
No. 1.822.081-1 - CPR-2013/07/01

1. Unique identification code of the product-type	BOX Panorama 65																																				
2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Room heater without hot water supply																																				
3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Barbas Bellfires BV; Hallenstraat 17; 5531 AB Bladel; The Netherlands																																				
4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not applicable																																				
5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	System 3																																				
6. In case of the declaration of performance concerning a construction product covered by a harmonised standard	The notified laboratory SGS Nederland BV, No. 0608 performed the determination of the product type on the basis of type testing under system 3 and issued test report EZKA/2018-01/00004-5																																				
7. Declared performance	<table> <tr> <td>Harmonized technical specification</td><td>EN13240:2001/A2:2004/AC:2007</td></tr> <tr> <td>Essential characteristics</td><td>Performance</td></tr> <tr> <td>Fire safety</td><td>Pass</td></tr> <tr> <td>Distance to combustible materials</td><td>Minimum distances, in mm Rear = 200 Sides = 550 Ceiling = - Front = 1150 Floor = 30</td></tr> <tr> <td>Risk of burning fuel falling out</td><td>Pass</td></tr> <tr> <td>Emission of combustion products</td><td>CO = 0.1 vol%</td></tr> <tr> <td>Surface temperature</td><td>Pass</td></tr> <tr> <td>Electrical safety</td><td>Pass</td></tr> <tr> <td>Cleanability</td><td>Pass</td></tr> <tr> <td>Release of dangerous substances</td><td>NPD</td></tr> <tr> <td>Maximum operating pressure</td><td>Not applicable</td></tr> <tr> <td>Flue gas temperature at nominal heat output</td><td>T = 322 °C</td></tr> <tr> <td>Mechanical resistance (to carry a chimney/flue)</td><td>NPD</td></tr> <tr> <td>Thermal output</td><td>Pass</td></tr> <tr> <td>Nominal heat output</td><td>9.2 kW</td></tr> <tr> <td>Room heating output</td><td>9.2 kW</td></tr> <tr> <td>Water heating output</td><td>- kW</td></tr> <tr> <td>Energy efficiency</td><td>76.2 %</td></tr> </table>	Harmonized technical specification	EN13240:2001/A2:2004/AC:2007	Essential characteristics	Performance	Fire safety	Pass	Distance to combustible materials	Minimum distances, in mm Rear = 200 Sides = 550 Ceiling = - Front = 1150 Floor = 30	Risk of burning fuel falling out	Pass	Emission of combustion products	CO = 0.1 vol%	Surface temperature	Pass	Electrical safety	Pass	Cleanability	Pass	Release of dangerous substances	NPD	Maximum operating pressure	Not applicable	Flue gas temperature at nominal heat output	T = 322 °C	Mechanical resistance (to carry a chimney/flue)	NPD	Thermal output	Pass	Nominal heat output	9.2 kW	Room heating output	9.2 kW	Water heating output	- kW	Energy efficiency	76.2 %
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Risk of burning fuel falling out	Pass																																				
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Release of dangerous substances	NPD																																				
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Energy efficiency	76.2 %																																				
8. The performance of the product identified in point 1 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.																																					

Signed for and on behalf of the manufacturer by:

Danny Baijens, CEO
(Name and function)

Bladel; September 18, 2018
(place and date of issue)



(Signature)

BOX Panorama 65 with wood log storage module



According to regulation (EU) 305/2011

No. 1.822.083-1 - CPR-2013/07/01

1.	Unique identification code of the product-type	BOX Panorama 65 with woodlog storage module
2.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Room heater without hot water supply
3.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Barbas Bellfires BV; Hallenstraat 17; 5531 AB Bladel; The Netherlands
4.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not applicable
5.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	System 3
6.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	The notified laboratory SGS Nederland BV, No. 0608 performed the determination of the product type on the basis of type testing under system 3 and issued test report EZKA/2018-01/00004-5
7.	Declared performance	
	Harmonized technical specification	EN13240:2001/A2:2004/AC:2007
	Essential characteristics	Performance
	Fire safety	Pass
	Distance to combustible materials	Minimum distances, in mm Rear = 200 Sides = 550 Ceiling = - Front = 1150 Floor = -
	Risk of burning fuel falling out	Pass
	Emission of combustion products	CO = 0.1 vol%
	Surface temperature	Pass
	Electrical safety	Pass
	Cleanability	Pass
	Release of dangerous substances	NPD
	Maximum operating pressure	Not applicable
	Flue gas temperature at nominal heat output	T = 322 °C
	Mechanical resistance (to carry a chimney/flue)	NPD
	Thermal output	Pass
	Nominal heat output	9.2 kW
	Room heating output	9.2 kW
	Water heating output	- kW
	Energy efficiency	76.2 %
8.	<p>The performance of the product identified in point 1 is in conformity with the declared performance in point 7.</p> <p>This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.</p>	

Danny Baijens, CEO
(Name and function)

Bladel; September 18, 2018
(place and date of issue)

(Signature)

1.3 BOX Panorama 65 with support frame



Declaration of Performance

According to regulation (EU) 305/2011


No. 1.822.082-1 - CPR-2013/07/01

1.	Unique identification code of the product-type	BOX Panorama 65 with support frame
2.	Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer	Room heater without hot water supply
3.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	Barbas Bellfires BV; Hallenstraat 17; 5531 AB Bladel; The Netherlands
4.	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2)	Not applicable
5.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V	System 3
6.	In case of the declaration of performance concerning a construction product covered by a harmonised standard	The notified laboratory SGS Nederland BV, No. 0608 performed the determination of the product type on the basis of type testing under system 3 and issued test report EZKA/2018-01/00004-5
7.	Declared performance	
Harmonized technical specification		EN13240:2001/A2:2004/AC:2007
Essential characteristics		Performance
Fire safety		Pass
Distance to combustible materials		Minimum distances, in mm Rear = Onbrandbare wand Sides = 550 Ceiling = - Front = 1150 Floor = 30
Risk of burning fuel falling out		Pass
Emission of combustion products		CO = 0.1 vol%
Surface temperature		Pass
Electrical safety		Pass
Cleanability		Pass
Release of dangerous substances		NPD
Maximum operating pressure		Not applicable
Flue gas temperature at nominal heat output		T = 322 °C
Mechanical resistance (to carry a chimney/flue)		NPD
Thermal output		Pass
Nominal heat output		9.2 kW
Room heating output		9.2 kW
Water heating output		- kW
Energy efficiency		76.2 %
8.	The performance of the product identified in point 1 is in conformity with the declared performance in point 7. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.	

Signed for and on behalf of the manufacturer by:

Danny Baijens, CEO
(Name and function)

Bladel; September 18, 2018
(place and date of issue)



.....
(Signature)

2 The Clean Air Act 1993 and Smoke Control Areas

The following Barbas BOX Panorama 65 appliances have been exempted or recommended for exemption under section 21 of the Clean Air Act 1993 and can be used in accordance with the intended use as described in this manual in smoke control areas in the UK.

- Barbas BOX Panorama 65
- Barbas BOX Panorama 65 with wood storage
- Barbas BOX Panorama 65 with wall support frame

Under the Clean Air Act local authorities may declare the whole or part of the district of the authority to be a smoke control area. It is an offence to emit smoke from a chimney of a building, from a furnace or from any fixed boiler if located in a designated smoke control area. It is also an offence to acquire an "unauthorised fuel" for use within a smoke control area unless it is used in an "exempt" appliance ("exempted" from the controls which generally apply in the smoke control area).

In England appliances are exempted by publication on a list by the Secretary of State in accordance with changes made to sections 20 and 21 of the Clean Air Act 1993 by section 15 of the Deregulation Act 2015. In Scotland appliances are exempted by publication on a list by Scottish Ministers under section 50 of the Regulatory Reform (Scotland) Act 2014. Similarly, In Northern Ireland appliances are exempted by publication on a list by the Department of Agriculture, Environment and Rural Affairs under Section 16 of the Environmental Better regulation Act (Northern Ireland) 2016. In Wales appliances are exempted by regulations made by Welsh Ministers

Further information on the requirements of the Clean Air Act can be found here: <https://www.gov.uk/smoke-control-area-rules> .

Your local authority is responsible for implementing the Clean Air Act 1993 including designation and supervision of smoke control areas and you can contact them for details of Clean Air Act requirements.

3 About this document

This document shows the necessary information to do these tasks on the BOX Panorama 65:

- Installation
- Maintenance

This document refers to the BOX Panorama 65 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.

3.1 How to work with this document

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

3.2 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

3.3 Related documentation

- Installation and maintenance manual
- User manual

4 Description

4.1 Overview of the appliance

The appliance is optionally available with a support frame to attach the appliance against a wall or optional available with a wood log storage module under the appliance.

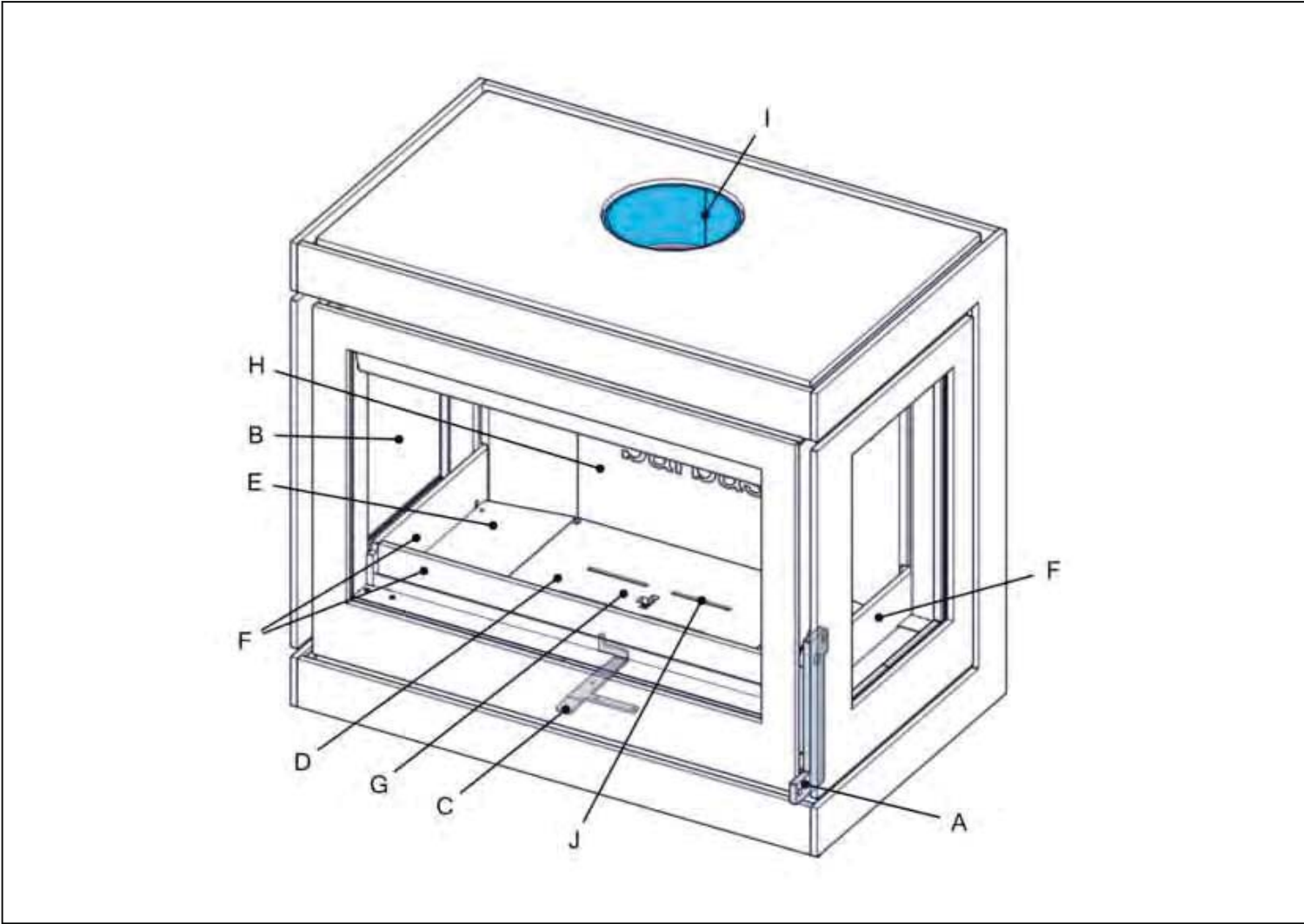


Table 1: Top view

	Item	Description
A	Handle	Use the handle to open and to close the door.
B	Glass	The glass keeps the flue gases inside the appliance and closes the combustion chamber off.
C	Control lever	Use the control lever to control the amount of combustion air.
D	Grate	Cover of the ash tray. Inlet of the primary air into the combustion chamber.
E	Bottom plates	Plates left and right from the grate, to protect the bottom of the appliance
F	Log guards	1 front plate and 2 side plates to prevent wood logs and ashes from falling out of the appliance
G	Ash tray	Tray to collect the ashes that fall through the grate.
H	Ceramic panel	Cover of the rear of the combustion chamber.
I	Flue connection	The connection to the flue system that extracts the flue gases.
J	Primary air inlet	Combustion air supply through the grate into the combustion chamber. The function of primary air is to start the fire.

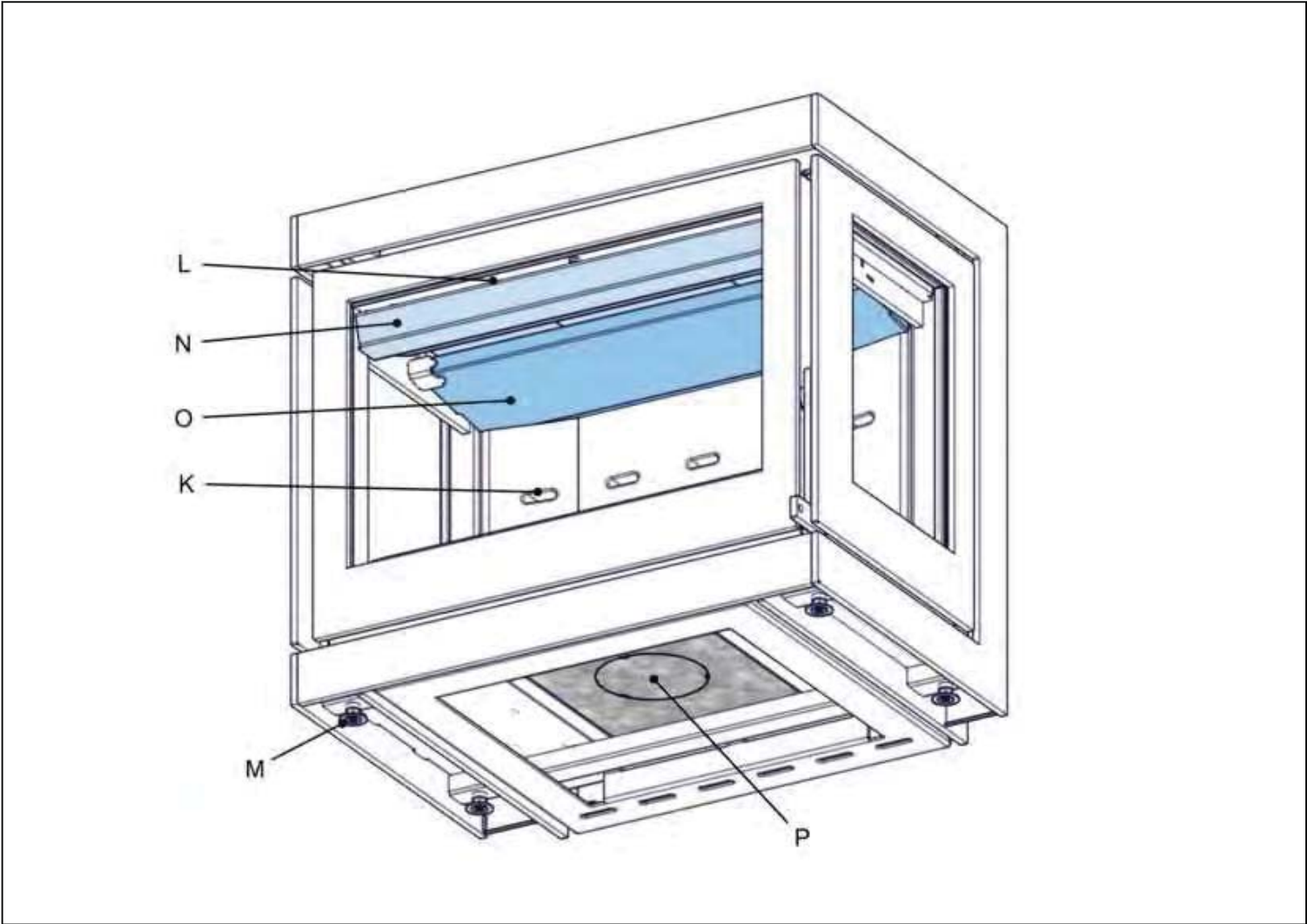


Table 2: Bottom view

	Item	Description
K	Secondary air inlet	Combustion air supply through the rear wall into the combustion chamber. The function of secondary air is to provide extra combustion air for clean combustion.
L	Air wash inlet	Combustion air supply through the top of the appliance into the combustion chamber. The function of air wash is to prevent deposition of soot on the glass.
M	Adjustable feet	4 adjustable feet to level the appliance
N	Upper baffle	Steel plate in the top of the combustion chamber above the lower baffle
O	Lower baffle	Ceramic plate in the top of the combustion chamber
P	External combustion air inlet (optional)	Provides the appliance with combustion air. This option is only available when ordered with the appliance.

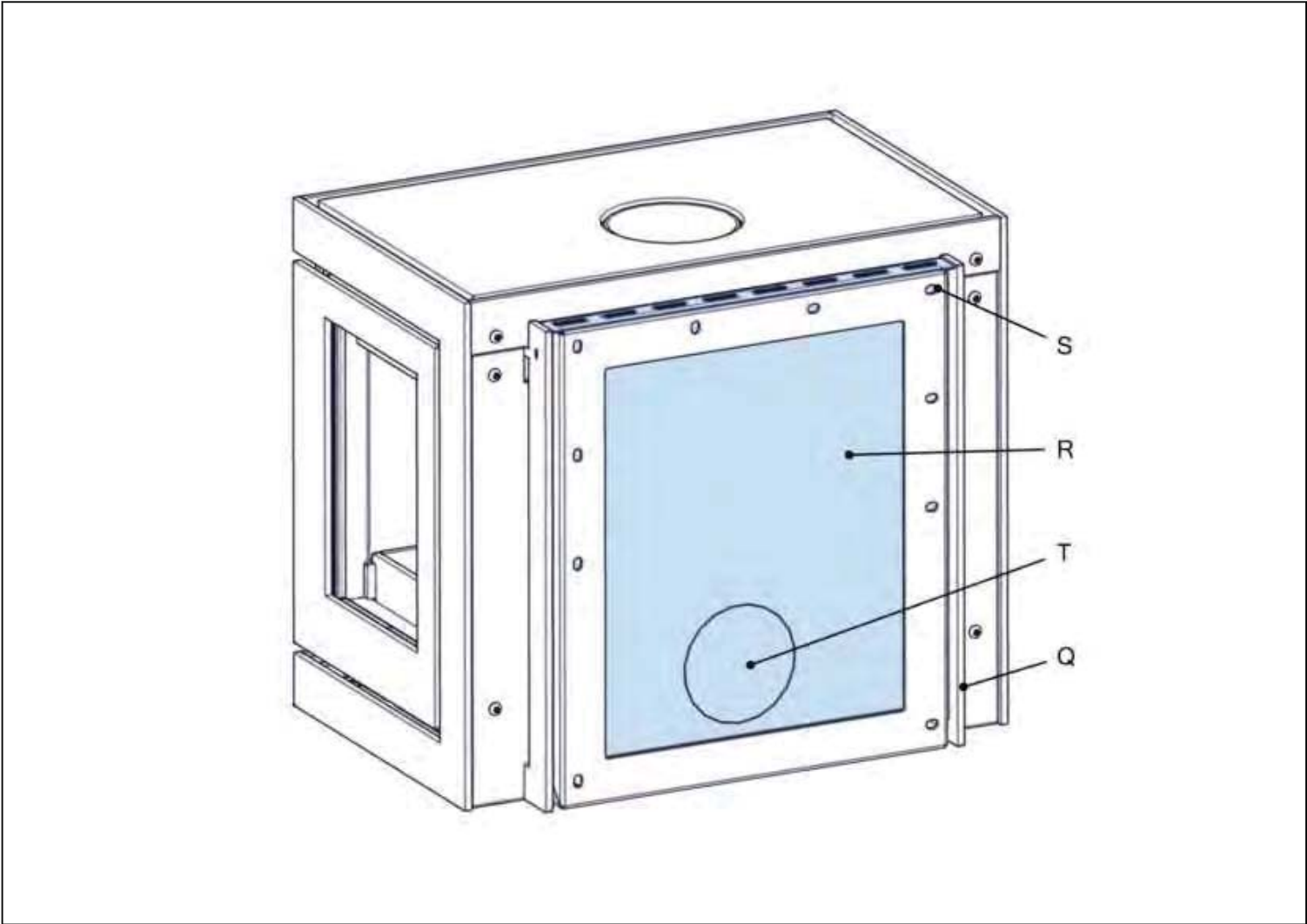


Table 3: Back view (for BOX Panorama 65 with optional support frame)

	Item	Description
Q	Support frame	The optional support frame carries the appliance when put on a wall
R	Cover	Cover to protect the wall from heat radiation
S	Screw holes	Attach the support frame on a wall with screws through the screw holes
T	External combustion air inlet (optional)	Provides the appliance with combustion air. This option is only available when ordered with the appliance.

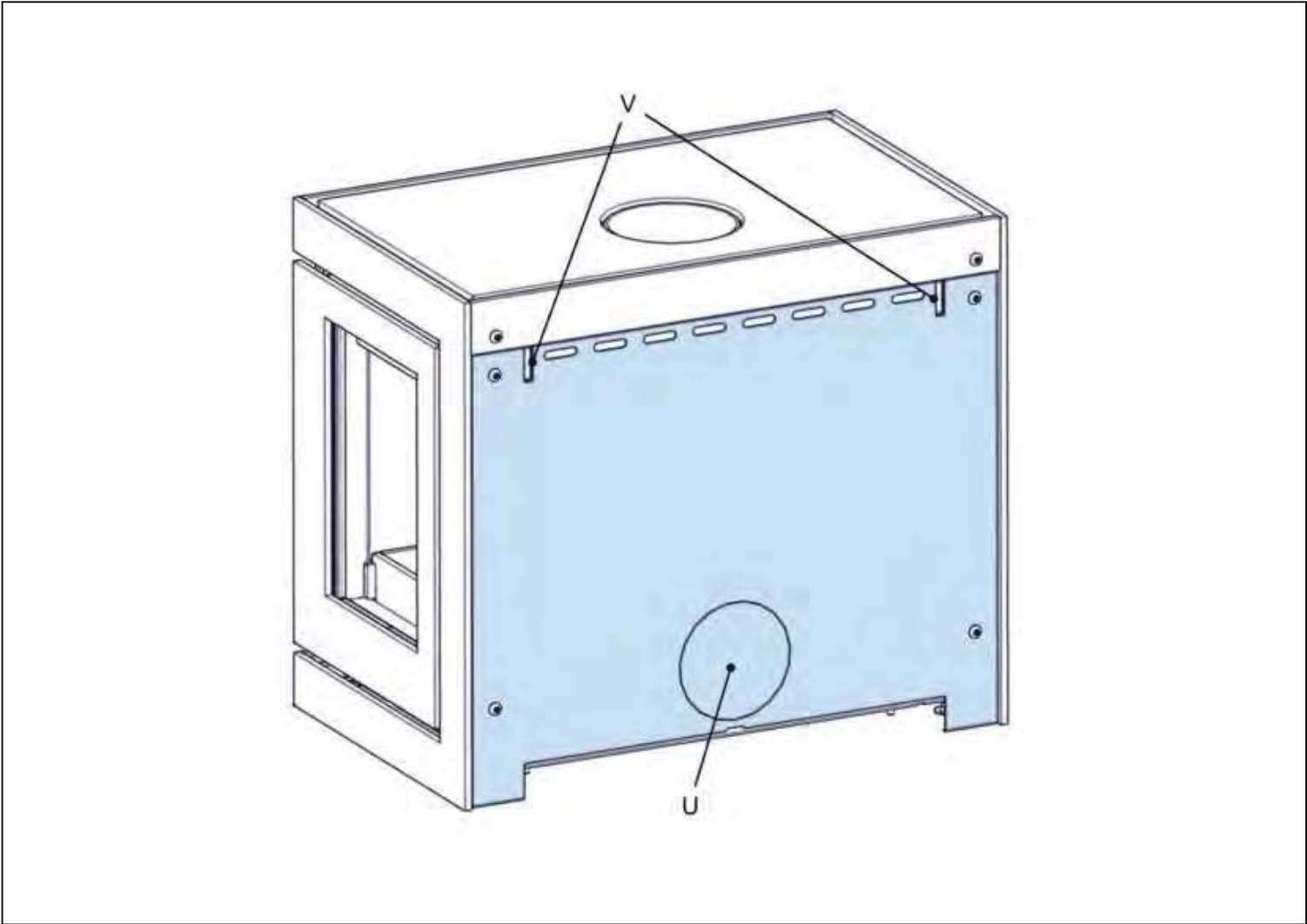


Table 4: Back view

	Item	Description
U	External combustion air inlet	Provides the appliance with combustion air. This option is only available when ordered with the appliance.
V	Slots	Only for BOX Panorama 65 with optional support frame. The slots make sure the appliance is in the correct position on the support frame.

4.2 Intended use

The appliance is intended for indoor use to heat the room wherein it is installed. Do not use it for other purposes.

The appliance is intended for use with wood logs or wood briquettes as fuel. Do not use other fuels.

The appliance is intended for use with the door closed.

The appliance may only be used at the 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 to heat the room by direct heating. It is not allowed to connect the appliance to a central-heating installation.

5 Safety

5.1 Safety instructions for installation

**Warning:**

- Installation must be done by a qualified installer.
- Install the appliance in accordance with the following installation instructions and the national and local applicable regulations.
- Make sure that the area around the fireplace is free of flammable material at all times. The minimal safe distance is 100 cm.
- Do not install the appliance against a flammable wall. Refer to chapter [5.2](#) for minimum clearances between the appliance and the wall.

**Caution:**

- Install the appliance on a floor with adequate load-bearing capacity. Refer to chapter [9](#) for the weight of the appliance.
- It is not allowed to connect the appliance to a flue that is also connected to another appliance.
- Make sure that the chimney has no creaks and is in general good order.
- Install a suitable cap on the chimney outlet to avoid birds' nests build in the chimney.
- Parts in the appliance can be moved during transportation. Make sure these parts are in the correct position. See the User Manual.
- Do not use masking tape on the appliance. Masking tape can damage the finish of the appliance.
- Make sure that the chimney temperature class is at least T400 sootfire resistant.
- Do not install the appliance in a room with a ventilation system that makes pressures below -15 Pa.

5.2 Safety distances to flammable and non-flammable materials

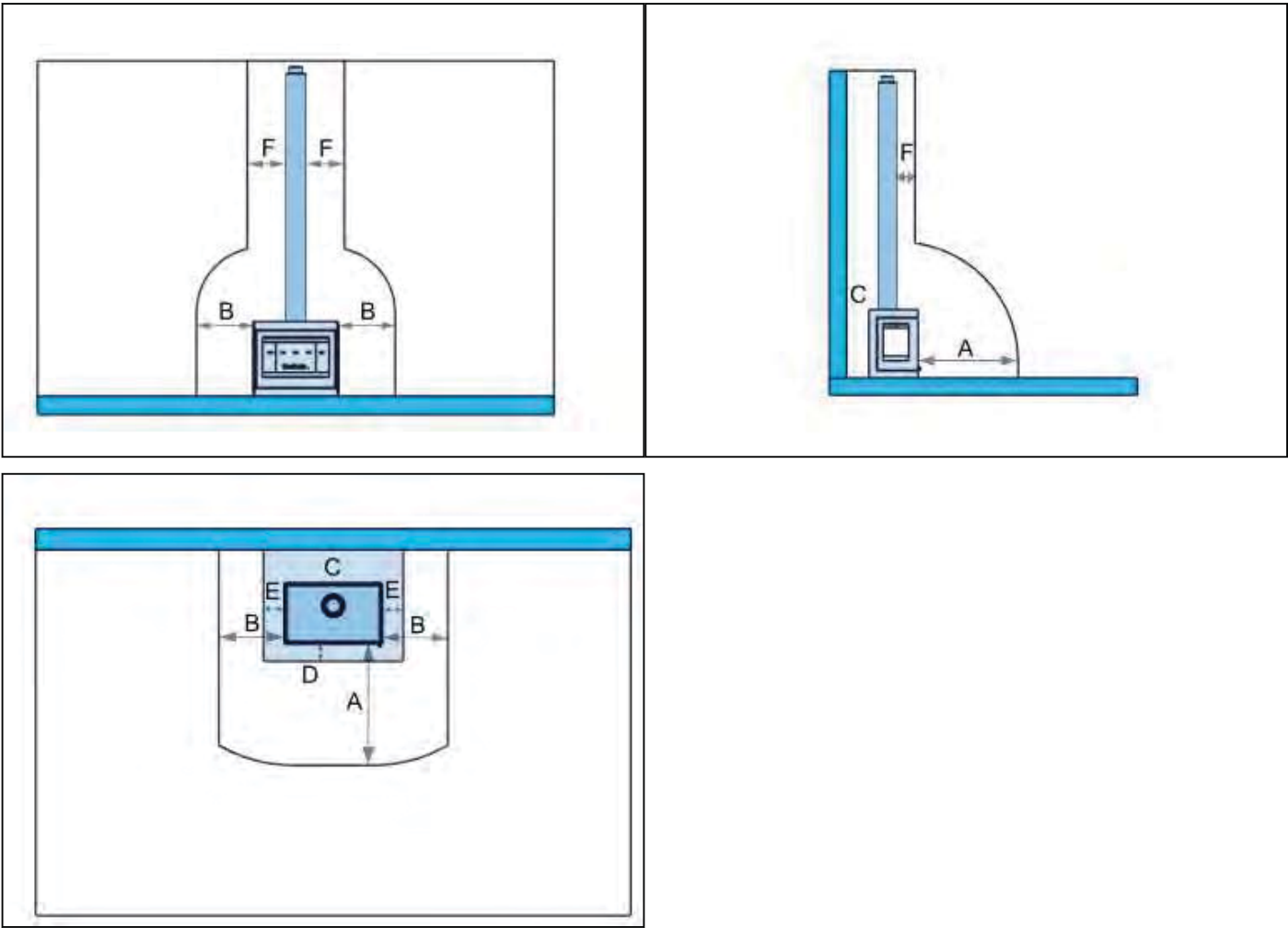
Refer to the applicable chapter for minimum safety distances to flammable and non-flammable materials

**Note:**

Make sure that flammable materials near the appliance can never reach a temperature above 85 degrees centigrade.

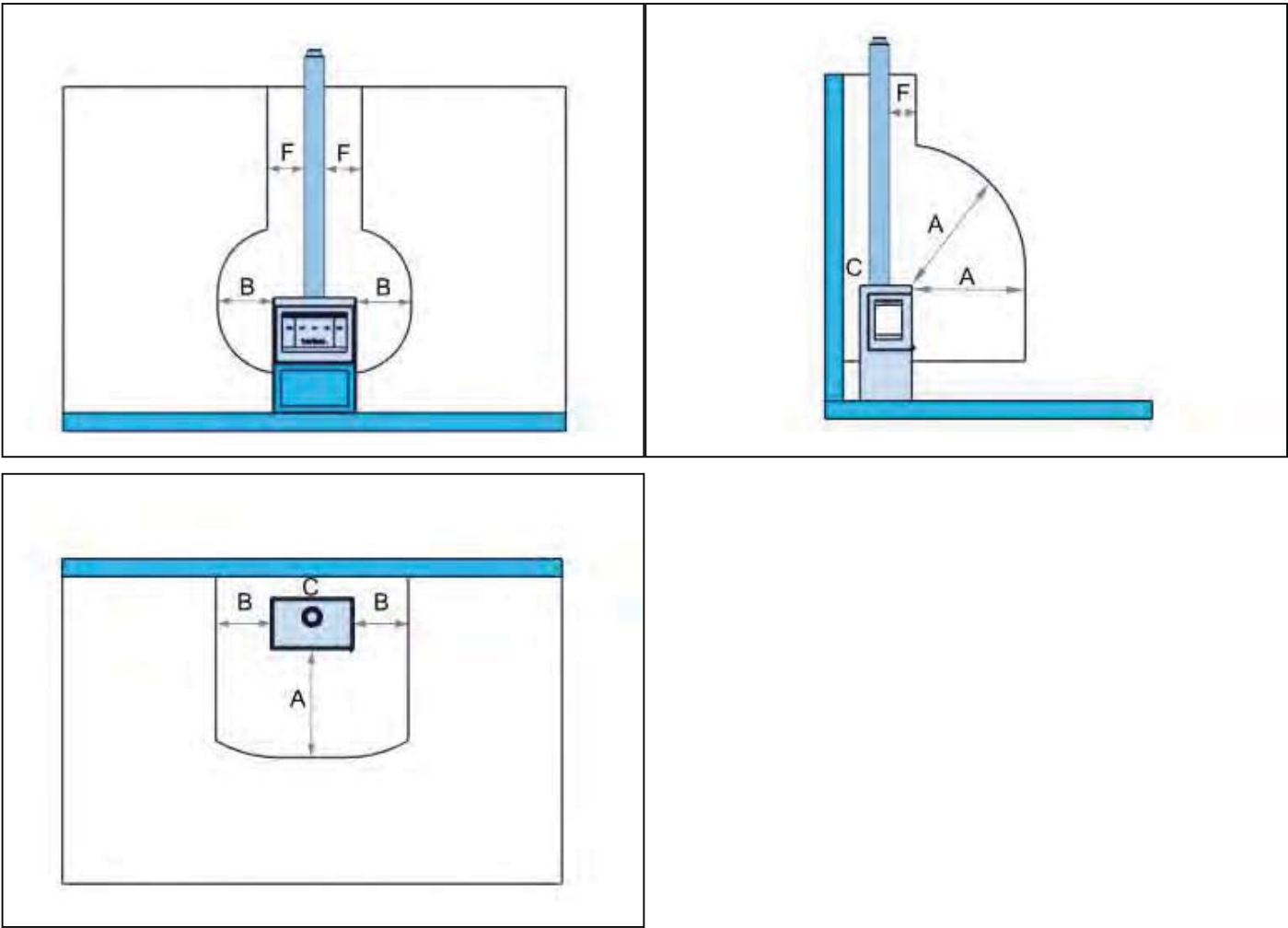
- BOX Panorama 65, refer to chapter [5.2.1](#).
- BOX Panorama 65 with wood log storage module, refer to chapter [5.2.2](#).
- BOX Panorama 65 with optional support frame to attach the appliance to a wall, refer to chapter [5.2.3](#).

5.2.1 Safety distances BOX Panorama 65



BOX Panorama 65			
Label	Minimum distance to flammable materials in cm	Remark	Minimum distance to nonflammable materials in cm
A	115		80
B	55		25
C	20		5
D	See remark.	Install a non-flammable hearth (floor stone) with a thickness of minimum 5 cm when the appliance is put on a flammable floor. The width (E) of the hearth must be minimum 15 cm from each side of the appliance. The depth of the hearth in front of the appliance (D) is minimum 50 cm, when the hearth is level with the floor. If the appliance is put on a flammable platform, make sure the depth of the non-flammable hearth in the front of the appliance is the same size as the platform in front of the appliance.	5
E	15		5
F	20		5

5.2.2 Safety distances BOX Panorama 65 with wood log storage module

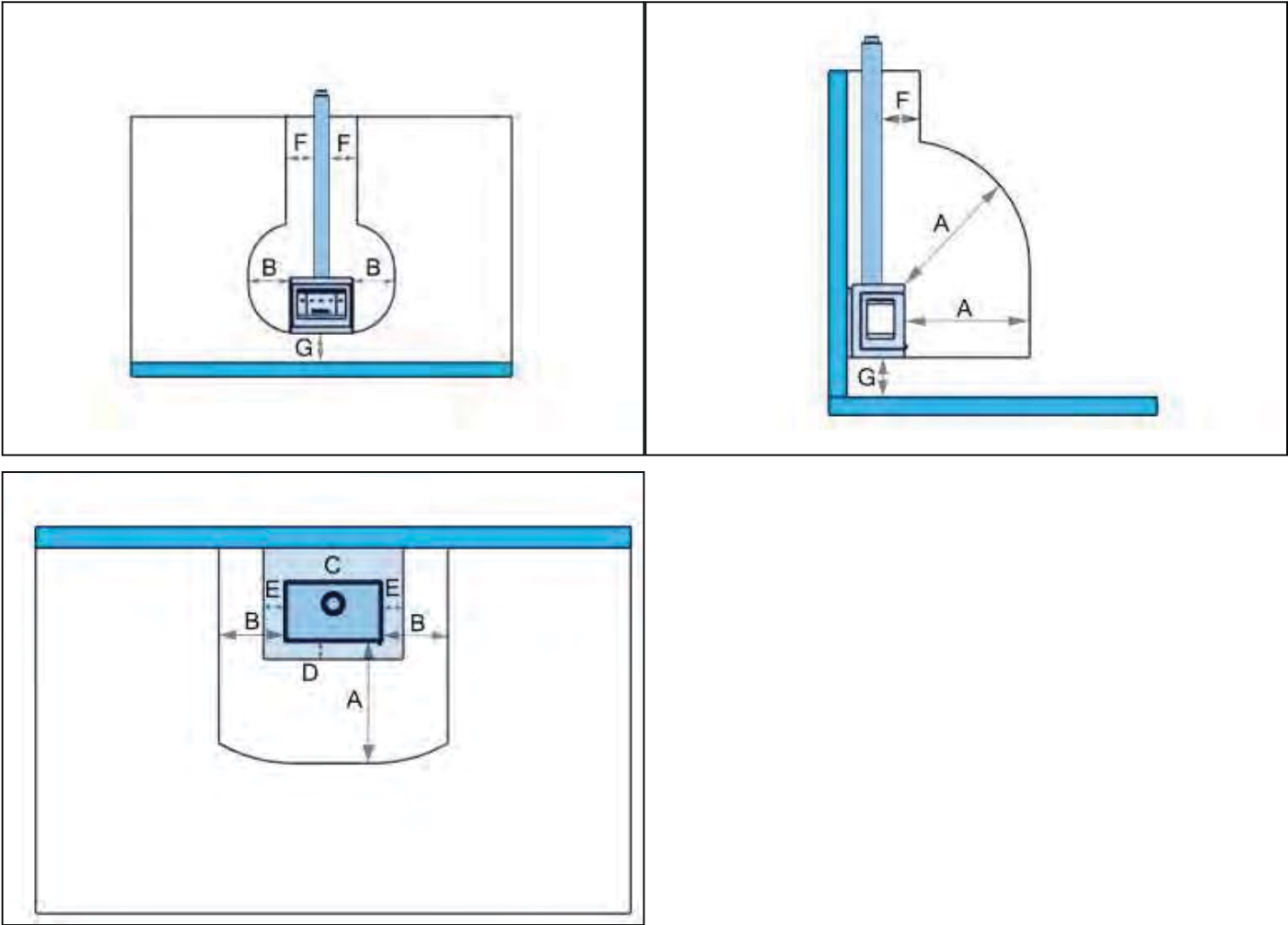


BOX Panorama 65 with wood log storage module			
Label	Minimum distance to flammable materials in cm	Remark	Minimum distance to nonflammable materials in cm
A	115		80
B	55		25
C	20		5
D	20	Install a non-flammable hearth (floor stone) when the appliance is put on a flammable floor. The hearth must have a minimum depth (D) of 20 cm in front of the appliance and a minimum width (E) of 15 cm from each side of the appliance.	5
E	15		5
F	20		5

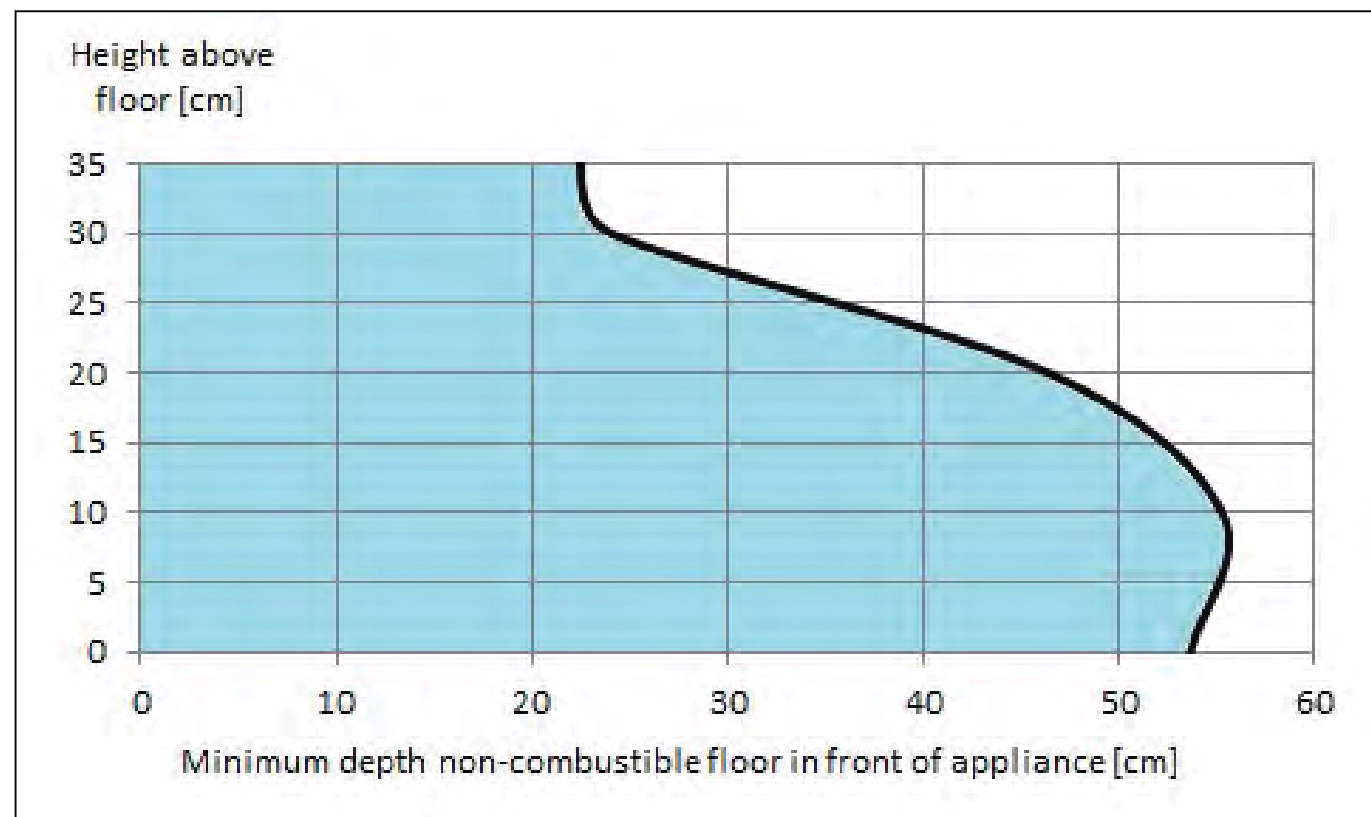
5.2.3 Safety distances BOX Panorama 65 with support frame



Note:
Use the support frame to attach the appliance against a wall.



BOX Panorama 65 with support frame			
Label	Minimum distance to flammable materials in cm	Remark	Minimum distance to nonflammable materials in cm
A	115		80
B	55		25
C	Not allowed	Do not install against a flammable wall.	Not applicable
D	20 - 50	Install a non-flammable hearth (floor stone) when the appliance is put above a flammable floor. The width (E) of the hearth must be minimum 15 cm from each side of the appliance. The depth of the hearth in front of the appliance (D) is dependent on the distance between the underside of the box and the floor. Refer to the graph hereunder.	Not applicable
E	Not applicable		Not applicable
F	20		5
G	10		5



Example for the graph: If the bottom of the BOX Panorama 65 with support frame is 25 cm above the floor (vertical axis on the graph), the depth of the non-flammable floor in front of the appliance (horizontal axis on the graph) is minimum 35 cm.

5.3

Safety instructions with regard to the environment

- Dispose of the packing materials in an environmentally friendly way.
- Dispose of batteries as chemical waste.
- Dispose of ceramic heat-resistant glass as household waste. Do not dispose of ceramic heat-resistant glass in a glass recycling container.
- Dispose of an obsolete appliance according to instructions of the authorities or the fitter.
- Obey the local regulations.

6 Installation

6.1 Installation requirements

6.1.1 Requirements on the installation of the appliance

- Make sure that the location agrees with the safety requirements. Refer to chapter [5](#).
- Make sure the floor is made of concrete or a solid pedestal of non-combustible material.
- Make sure the floor can support the weight of the appliance. Refer to chapter [9](#) for the weight of the appliance.
- Make sure the wall can support the weight of an appliance when attached to the wall.
- Make sure that the floor temperatures below and in front of the appliance cannot be higher than 85 °C, during use of the appliance. Refer to chapter [5.2](#).
- The non-combustible floor must have a width that extends at least 150 mm from each side of the appliance and a minimum depth in front of the appliance according the requirements in chapter [5.2](#).
- Make sure the room where the appliance is installed is properly ventilated.
- Make sure that combustion air can flow into the appliance without obstruction.

6.1.2 Requirements on the chimney

- Make sure that in case of use of an existing (masonry) chimney, it is in good order and applicable for the appliance. Ask your dealer or chimney sweeper for advice.
- Make sure the flue system obeys the national and local applicable regulations.
- Make sure the weight of the chimney is not supported by the appliance.
- Do not connect more than one appliance to the same chimney.
- The flue system must have a temperature class designation of at least T400.
- The inner diameter of the chimney must be at least 150 mm over the total length.
- Use a steel chimney pipe with a wall thickness of at least 2 mm between the appliance and the existing chimney.
- Do not use more than 2 bends of 45°.
- Do not use horizontal flue pipes.
- The chimney outlet must be at least 5 meter above the top of the appliance.
- The chimney outlet must be at least 40 cm above the top of a sloped roof.
- The chimney outlet must be at least 1 meter above a flat roof.
- The chimney outlet must be free from any objects (buildings, trees, etc.) within a horizontal range of at least 5 meter.
- Make sure that a chimney valve has a free opening of minimum 12 % of the total area of the chimney.
- Make sure your fire insurance policy covers any damage caused by a chimney fire.

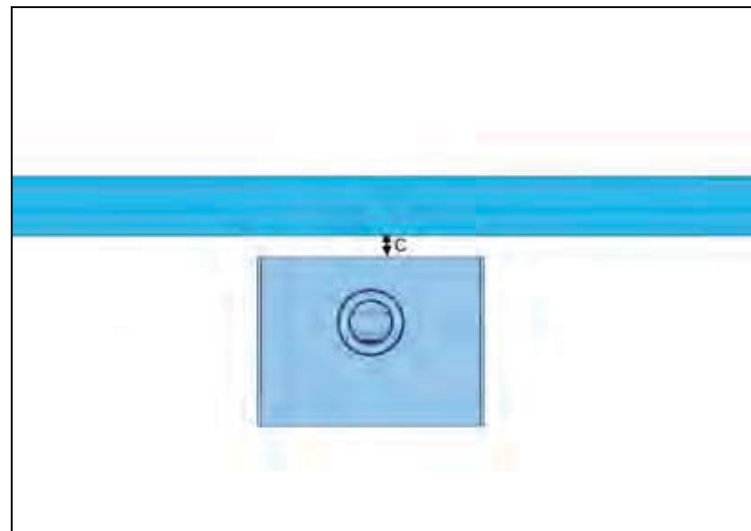
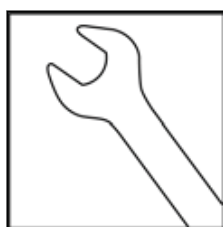
6.2 Installation procedure

Do all the procedures in each applicable section.

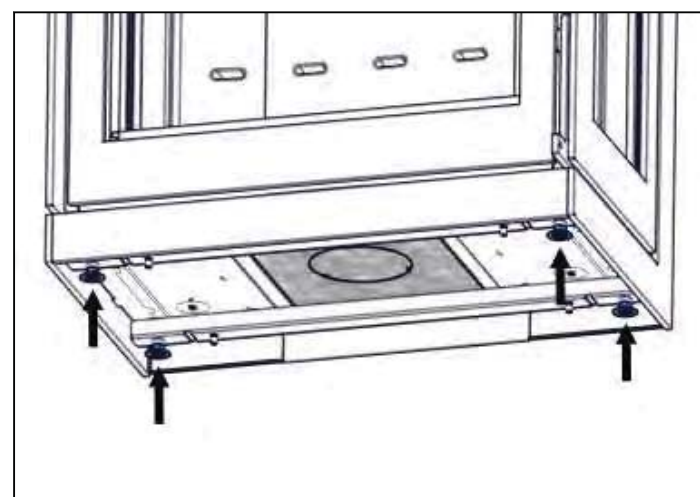
- BOX Panorama 65 without wood log storage module, refer to chapter [6.2.1](#).
- BOX Panorama 65 with wood log storage module, refer to chapter [6.2.2](#)
- BOX Panorama 65 with optional support frame, refer to chapter [6.2.4](#).

6.2.1 Install the appliance BOX Panorama 65

1. Put the appliance in the designated position. If the appliance is put on a natural stone platform, read and follow the instructions under "Installation on a natural stone platform".
2. Make sure that the distance C is correct. Refer to chapter 5.2.
3. Put a nonflammable hearth under the appliance if necessary. Refer to chapter 5.2.
4. Make sure that the flue connection on the appliance is correct in line with the flue pipe to the ceiling.



5. Make sure that the distance between the bottom of the appliance and the floor is minimum 3 mm. Do this by adjusting the adjustable feet. Use a 13mm fork spanner.
6. Make sure the appliance is installed horizontally by adjusting the adjustable feet. Use a spirit level.
7. Go to chapter 6.3 for instruction for the connection of the flue pipe.



Installation on a natural stone platform

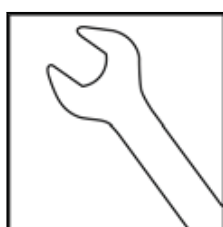
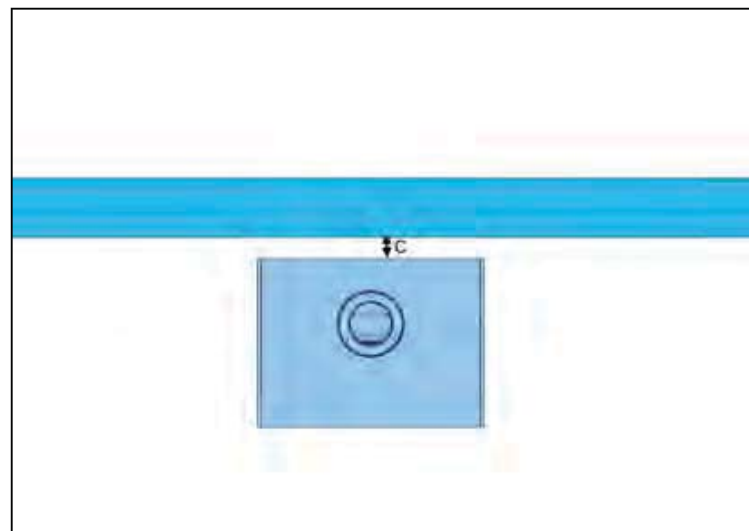


Do this procedure if the appliance is placed on a natural stone platform.

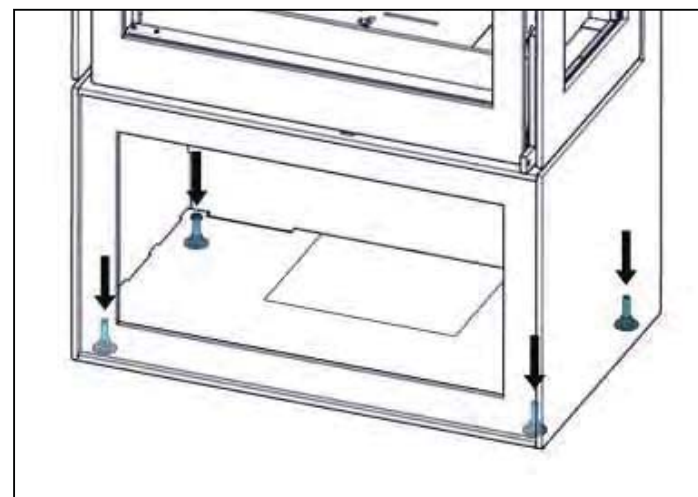
- Make sure the distance between the platform and the appliance is minimum 3 mm. Do this by adjusting the adjustable feet. Use a 13 mm fork spanner.
- The platform must have minimum thickness of 3 cm.
- Make sure the platform supports the weight of the appliance directly below it.
- During use of the appliance, the platform can reach a temperature of maximum 85 °C. Ask your natural stone dealer for additional advice which type of natural stone is applicable in combination with the appliance.

6.2.2 Install the appliance BOX Panorama 65 with wood log storage module

1. Put the appliance in the designated position.
2. Make sure that the distance C is correct. Refer to chapter 5.2.
3. If the appliance is put on a flammable floor, it is recommended to put a non-flammable plate under the appliance that extends with a minimum 20 cm from the front of the appliance.
4. Make sure that the flue connection on the appliance is correct in line with the flue pipe to the ceiling.



5. Make sure the appliance is installed horizontally. If necessary, adjust the adjustable feet with a 13 mm fork spanner. Use a spirit level.
6. Go to chapter 6.3 for instruction for the connection of the flue pipe.



6.2.3 Connect the external combustion air supply pipe on the BOX Panorama 65 with optional support frame



Note:

This chapter is applicable for the appliance with the optional support frame.

1. Remove the break out plate in the external air inlet opening on the back of the appliance with a hammer.
2. Put the collar adaptor in the open external air inlet opening.
3. Bend out the 3 lips on the collar adaptor to attach the collar adaptor on the inlet opening.
4. Remove the break out plate from the cover.
5. Identify (with use of the template) the location in the outer wall for the external combustion air supply inlet.
6. Make a hole in the outer wall with at a minimum diameter of 125 mm.
7. Attach the support frame with cover on the wall. Refer to chapter 6.2.4 for the installation procedure.
8. Put a flexible aluminum pipe in the hole.

9. Install a grate in the hole in the outer wall and attach the flexible aluminum pipe to it.

**Note:**

It is strongly recommended to install a valve in the external combustion air supply pipe, to avoid debris in the pipe and to avoid water vapor condensation in the appliance when not in use.

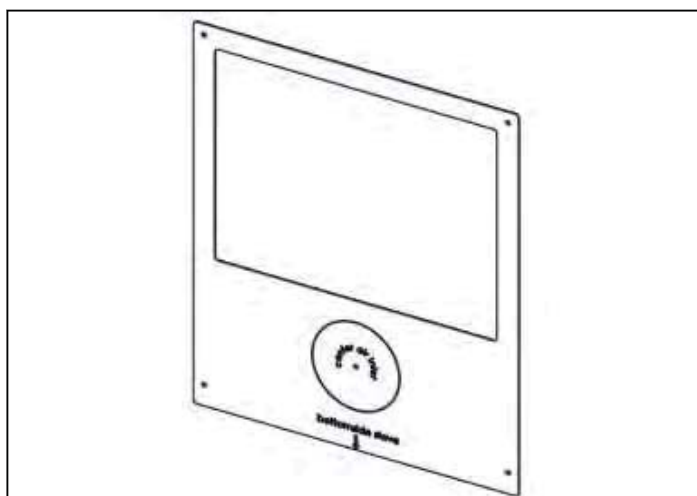
10. If the appliance is ready to be put on the support frame, connect the aluminum flexible pipe to the collar adaptor,
11. Refer to chapter [6.2.4](#) for the procedure to install the appliance on the support frame.

6.2.4

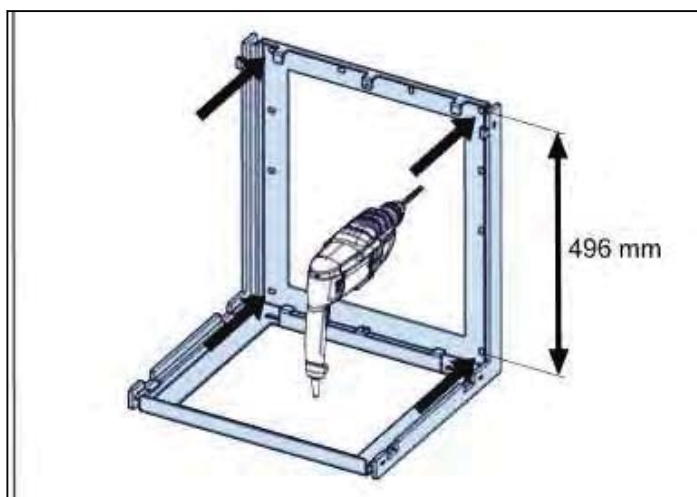
Install the appliance BOX Panorama 65 with support frame

**Note:**

- Use the optional support frame to attach the appliance to a wall.
 - Barbas does not supply the screws for the attachment of the support frame on the wall. Use appropriate screws applicable for the wall.
 - The support frame must be attached to the wall by minimum 4 appropriate screws. Use the 4 holes in the corner of the support frame. Use more screws if necessary for the nature of the wall.
 - If the appliance uses external air supply, make sure that the collar adapter is attached on the back of the appliance and that the break out plate is removed from the cover. Refer to chapter [6.2.3](#) for the connection to external combustion air supply procedure.
1. Use the steel template to mark the locations on the wall for the 4 corner screws by which the support frame is attached to the wall and to mark the location for the external air supply. Make sure the template is horizontal when marking the locations. Use a spirit level.

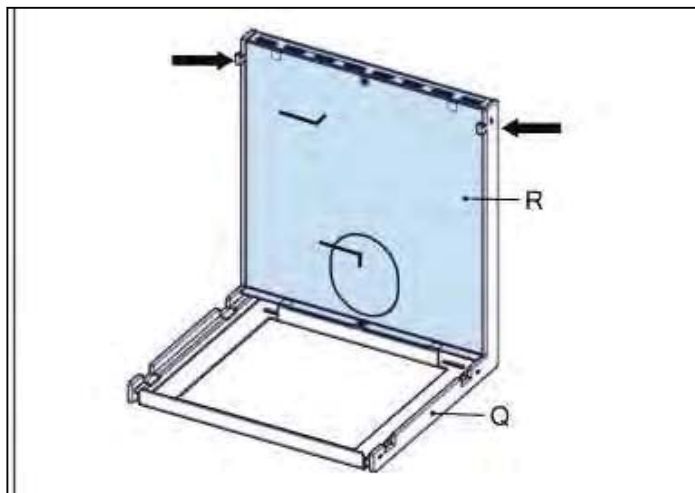


2. Drill the 4 holes.

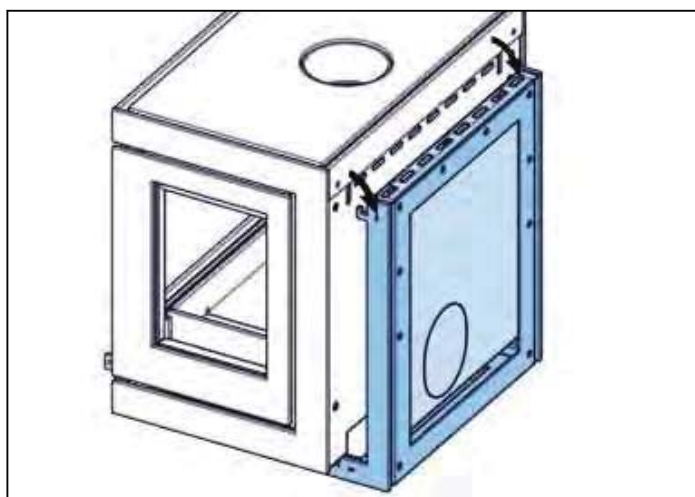


3. Attach the support frame to the wall with appropriate screws. Use plugs when necessary.

4. Attach the cover [®]) to the support frame (Q). Use an 11 mm fork spanner.



5. Put the stove on the support frame. Make sure hooks at the top of the cover go into the slots on the back of the appliance. Lower the appliance until it sits tightly on the support frame.



Note: If necessary, decrease the weight of the appliance by removing the door, the lower baffle and the ceramic panel. Refer to chapter # for instructions.

6.3 Connect the flue gas pipe



Caution:

- During operation of the appliance the outer side of the flue system becomes hot. Refer to chapter 5.2 for minimum distances to flammable material.

If the appliance is installed on an unlined, masonry flue with a large diameter, consider using a flue lining system to improve the performance of the appliance.

1. Connect the flue to the flue gas connection on the appliance. If necessary use a steel flue adaptor.
2. If a flexible stainless steel flue is used, secure the flue connection with 2 clamps.
3. If the flue is connected to an existing (masonry) chimney, make sure that the gap between the flue and the existing chimney is sealed, with ceramic wool or any other applicable component (ask your flue system supplier for advice)
4. Make sure that all mechanical connections of the flue system are correctly used.
5. Make sure that all of the flue system is gas-tight,

6.4 Final check on the appliance

1. Make sure the door closes and opens easy.
2. Make sure the control lever moves easy to left and right without undue noise.
3. Make sure the ceramic plate and the baffles are in the correct position.

Contact your dealer if the final check shows a defect.

7 Annual maintenance



Warning:

Make sure that the appliance has cooled down completely before doing the procedures in this section.

Do all procedures in this section every year.

7.1 Appliance

1. Remove ashes from the floor of the combustion chamber.
2. Examine the door seals. Replace damaged seals.
3. Remove the grate and empty the ash tray.
4. Examine the baffle for damage. Replace when damaged.
5. Clean both sides of the front glass and 2 side glasses with glass spray or ceramic hob cleaner.



Tip: Remove the 2 side log guards (refer to step 2 of chapter #) before the side glasses are cleaned.

6. Clean the inside of the appliance with a soft brush.
7. Clean the metal parts on the outside of the appliance with a dry lint free cloth. Use Barbas heat resistant paint spray to repair lacquer damage.

7.2 Combustion air supply

1. Make sure that the inlet of the pipe of the external combustion air supply is not blocked by leaves or other debris.
2. Clean the inlet of the pipe of the external combustion air supply.

7.3 Chimney



Note:

It is recommended to contact a registered chimney sweep company to inspect and clean the chimney.

1. Sweep and inspect the chimney
2. Make sure there is no blockage in the chimney, for example by birds' nests.
3. Make sure the chimney is in good condition. Examine for cracks, loose parts and flue gas leakage. It is recommended to use an inspection camera.

Make sure to remove the baffles before the chimney sweep work. Refer to step 4 and step 5 in chapter # for the procedure to remove the baffles.

Make sure to replace the baffles after the finish of the chimney sweep work and before firing the appliance.

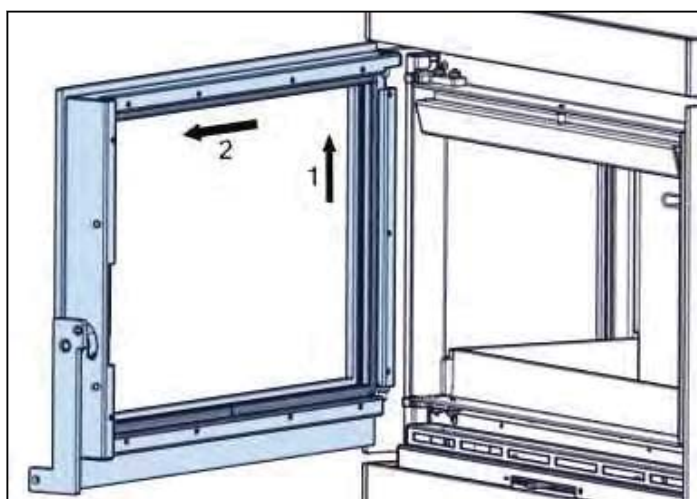
8 Removal of the interior of the combustion chamber

**Note:**

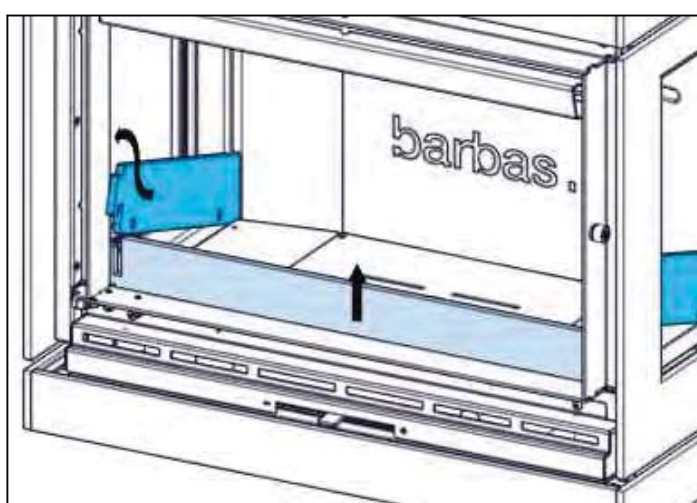
For chimney sweep work, only remove the upper baffle (refer to step 4 of this instruction) and lower baffle (refer to step 5 of this instruction).

1. Remove the door

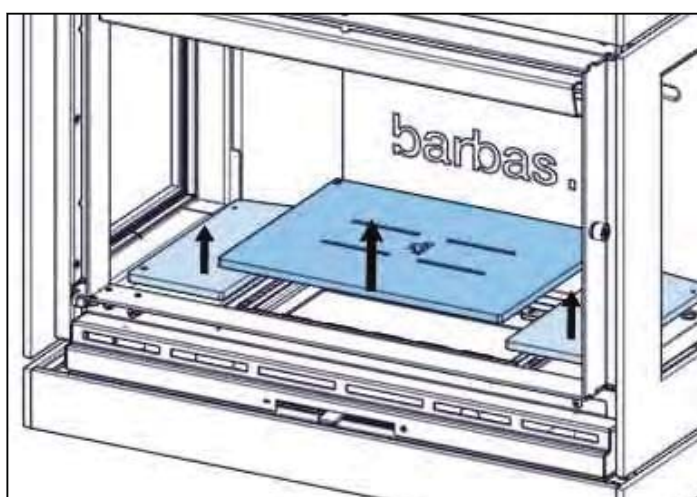
- a) Open the door almost completely and lift the door until the pins of the 2 hinges are free from the hinge holes.
- b) Move the door forward until it is free from the appliance.

**2. Remove the log guards.**

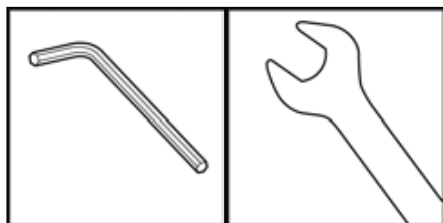
- a) Lift the front log guard and remove from the combustion chamber.
- b) Lift the front of the left and right log guard and move them forward.

**3. Remove the bottom.**

- a) Lift the grate and remove from the combustion chamber.
- b) Lift the left and right steel bottom plate and remove from the combustion chamber.



4. Remove the upper baffle



- a) Loosen the nut above the heat shield with a 3 mm hexagonal key and a 10 mm fork spanner. Make sure the nut stays attached to the socket screw.



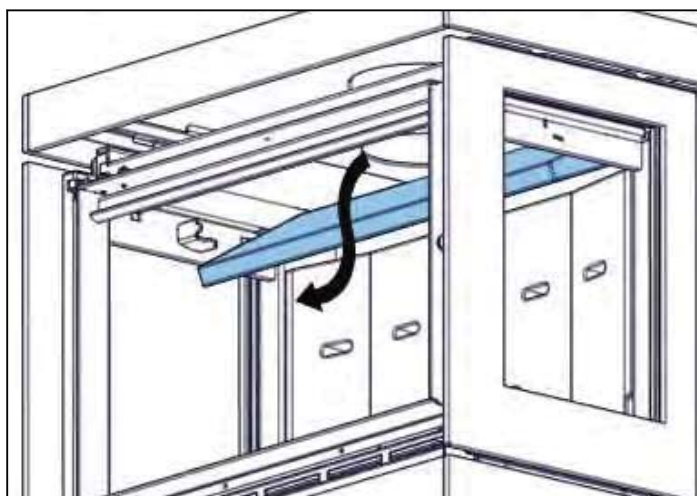
- b) Push up the front of the heat shield (1) and pull it forward (2) and move downward to a vertical position (3).



- c) Remove the upper baffle from the appliance.

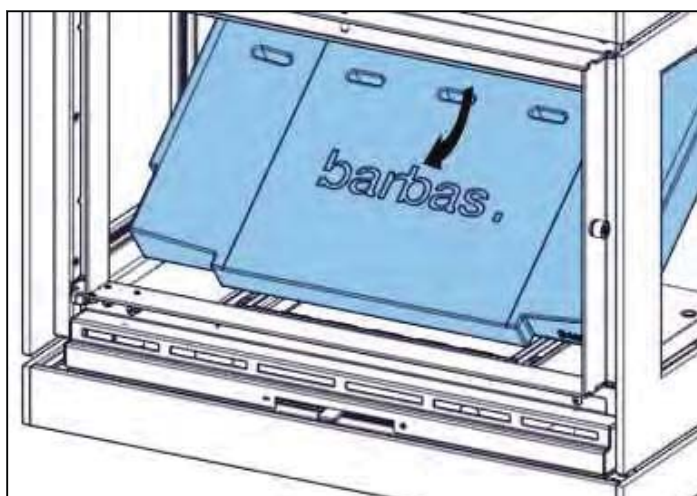
5. Remove the lower baffle.

- a) Push up the back side of the lower baffle and move it as far back as possible.
b) Lower the front side of the upper baffle and remove it from the appliance.



6. Remove the ceramic back panel.

- a) Move the bottom of the ceramic panel forward and remove it from the appliance.



Note:

To put the parts of the combustion chamber interior back, do the above instructions in opposite order.

9 Technical data

9.1 Technical data

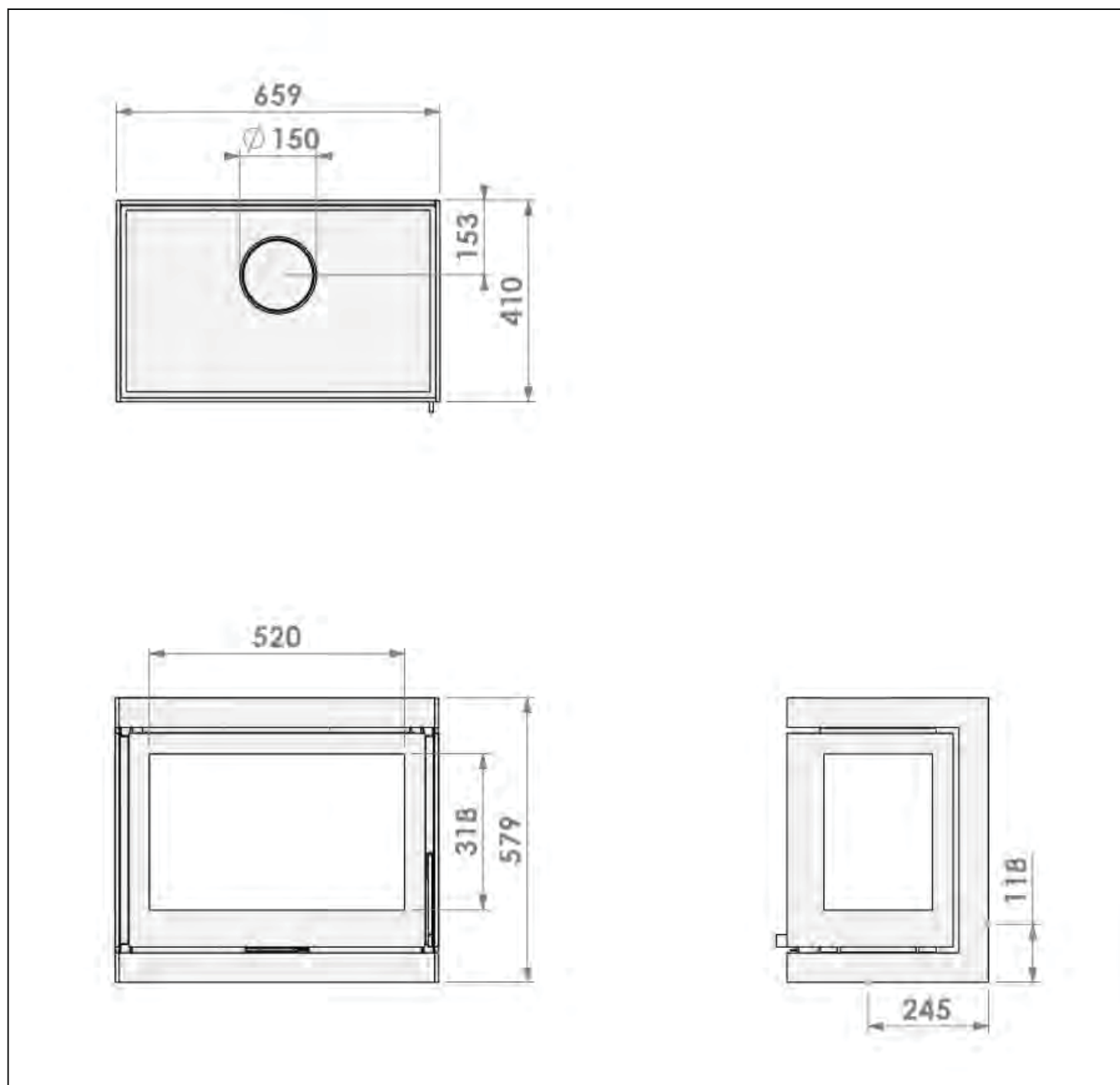
Table 5: Technical data

Name	Barbas
Model	<ul style="list-style-type: none">BOX Panorama 65BOX Panorama 65 with wood log storage moduleBOX Panorama 65 with support frame
Tested in accordance with	EN 13240:2001-A2:2004 EN16510-1 annex D, E, F
Energy efficiency index	101.5
Energy efficiency class	A
Fuel	Wood logs, Wood briquettes
Nominal fuel load	2 kg
Nominal heat output (net)	9.2 kW
Minimum heat output (net)	7 kW
Useful efficiency at nominal heat output	76.2 %
Useful efficiency at minimum heat output (indicative)	80 %
Indirect heating function	No
Room sealed	No
Emissions (at 13 % O ₂ , 273 K, 1013 hPa)	
<ul style="list-style-type: none">carbon monoxide (CO)	0.10 vol% (1213 mg/Nm ³)
<ul style="list-style-type: none">particles (PM)	21 mg/Nm ³
<ul style="list-style-type: none">organic gaseous compounds (OGC)	102 mg/Nm ³
<ul style="list-style-type: none">nitrogen oxides (NO_x)	87 mg/Nm ³
Flue gas mass flow	8.4 g/s
Flue gas temperature	322 °C
Chimney draught	12 Pa (0,12 mbar)
Flue gas connection	Ø 148 mm, suitable for a pipe with an inner diameter of 150 mm
Weight	
<ul style="list-style-type: none">BOX Panorama 65BOX Panorama 65 with wood log storage moduleBOX Panorama 65 with support frame	<ul style="list-style-type: none">142 kg178 kg156 kg
Minimum insulation thickness to combustible walls	

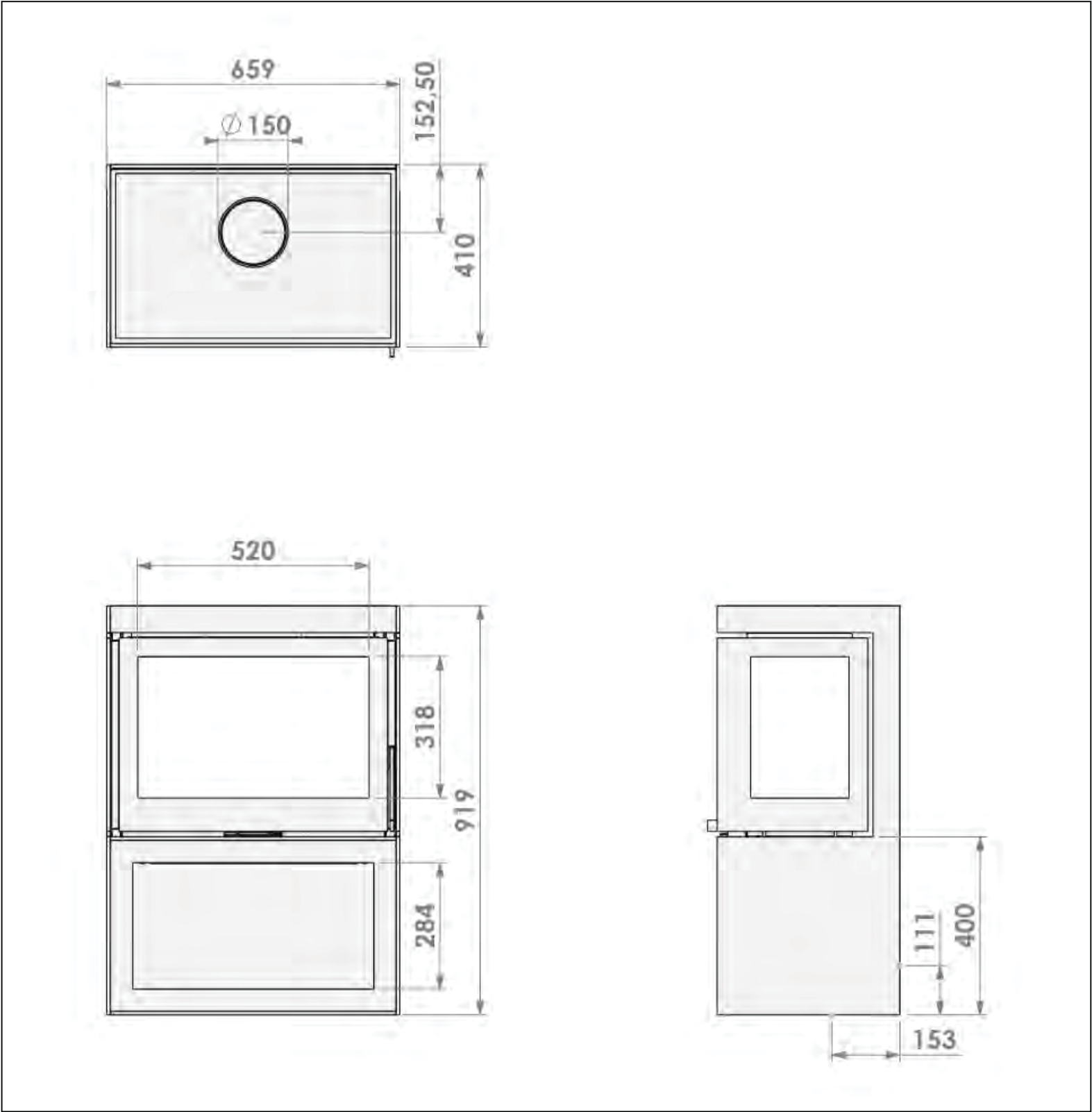
<ul style="list-style-type: none">side wallback wallfloorceiling	Refer to chapter 5.2
Used materials	
<ul style="list-style-type: none">Combustion chamber back panel	Heat resistant ceramic 1600 kg/m ³
<ul style="list-style-type: none">Combustion floor and grate	Steel
<ul style="list-style-type: none">Lower baffle	Heat resistant ceramic 2000 kg/m ³
<ul style="list-style-type: none">Upper baffle	Steel
<ul style="list-style-type: none">Front glassSide glass	<ul style="list-style-type: none">Heat resistant ceramic glassHeat resistant and heat reflective ceramic glass
The specific precautions that shall be taken when the local space heater is assembled, installed or maintained, are listed in the attached documents:	<ul style="list-style-type: none">Installation and maintenance manualUser manual

10 Dimensions

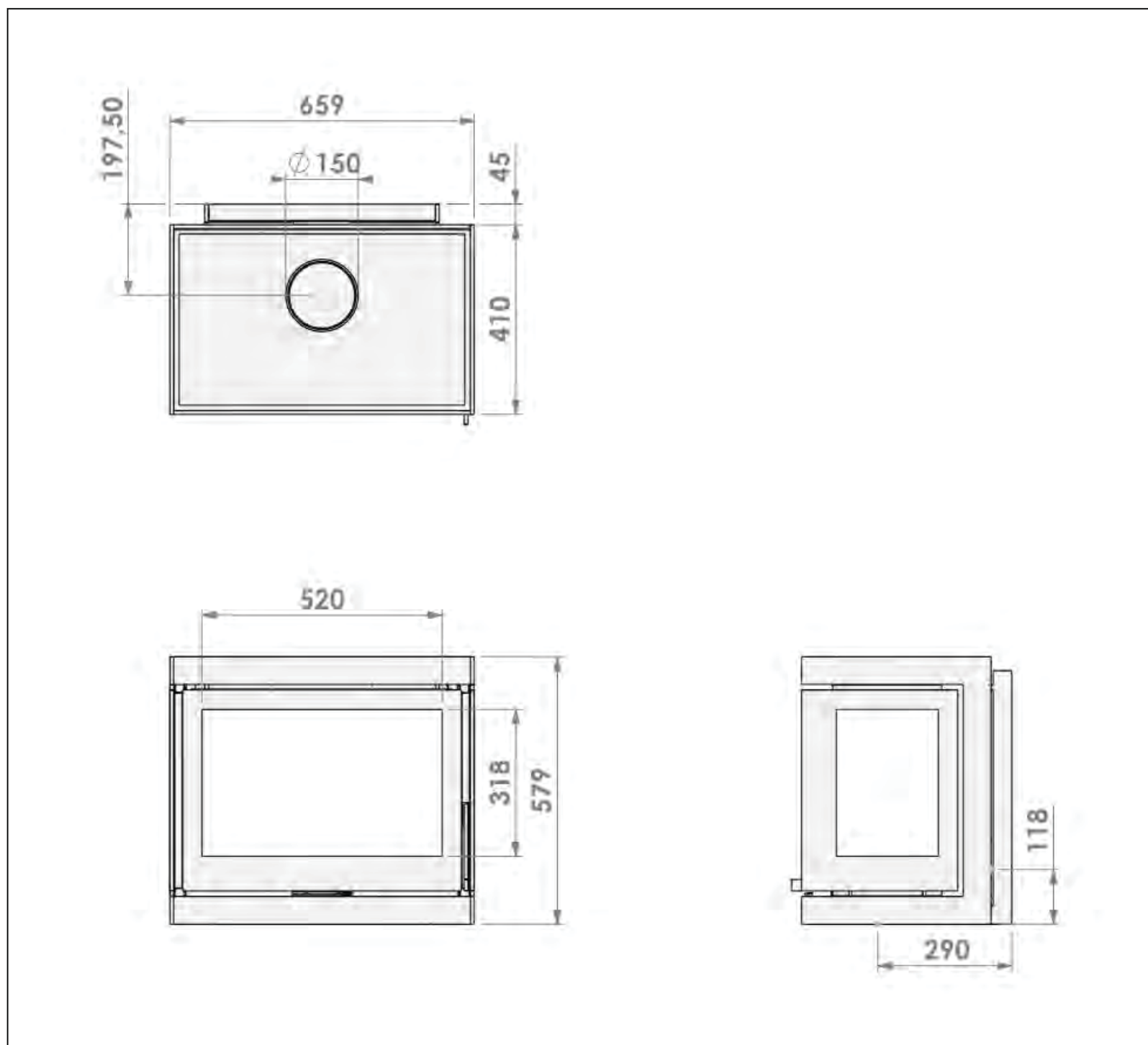
10.1 Dimensions BOX Panorama 65



10.2 Dimensions BOX Panorama 65 with wood log storage module



10.3 Dimensions BOX Panorama 65 with support frame



11 **Warranty Terms**

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 dealer.
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 dealer, together with the serial number of the Barbas appliance which is stated on the front of the instructions for use.
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 supplied installation instructions, and to national and/or local regulations;
 - b. it has been installed, connected or repaired by a non-Barbas dealer;
 - c. it has not be used or maintained according to the instructions for use;
 - d. it has been changed, neglected or roughly treated;
 - e. 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 dealer 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 one year.
4. For user parts such as glass, glass (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 17 5531 AB Bladel

The Netherlands

Tel: +31-497339200

Email: info@Barbas.com

Carefully retain the user manual; it shows the serial number of the appliance. You will need this if you wish to claim under the warranty.

barbas .

Your Barbas dealer

001 - 011118 - 347426