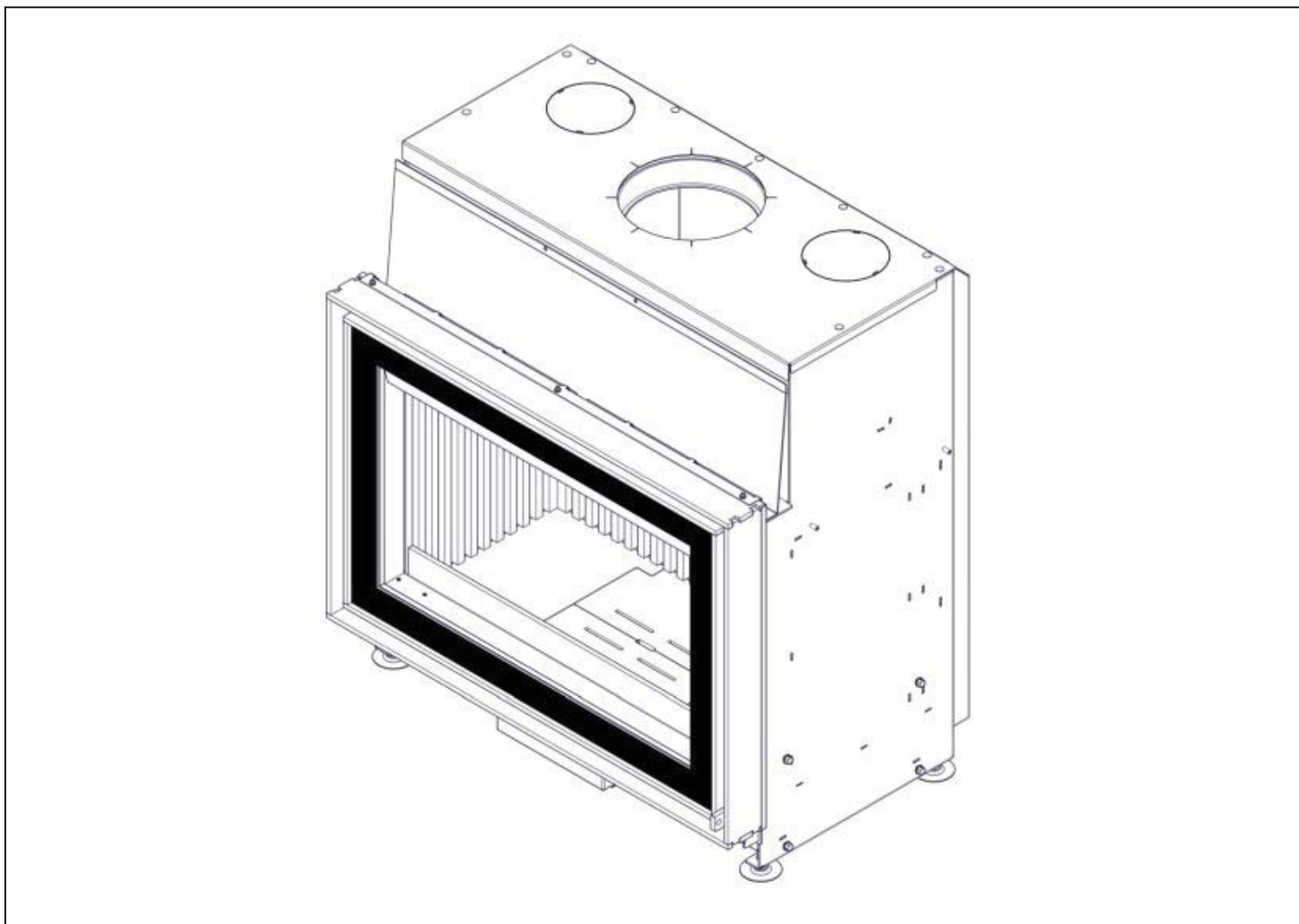


barbas . wood fires

Installation and maintenance manual

Falcon 80/56



Serial number:

Production date:

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2 The Clean Air Act 1993 and Smoke Control Areas

The Barbas Falcon 80/56 inset appliance has been 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.

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 Falcon 80/56:

- Installation
- Maintenance

This document refers to the Falcon 80/56 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

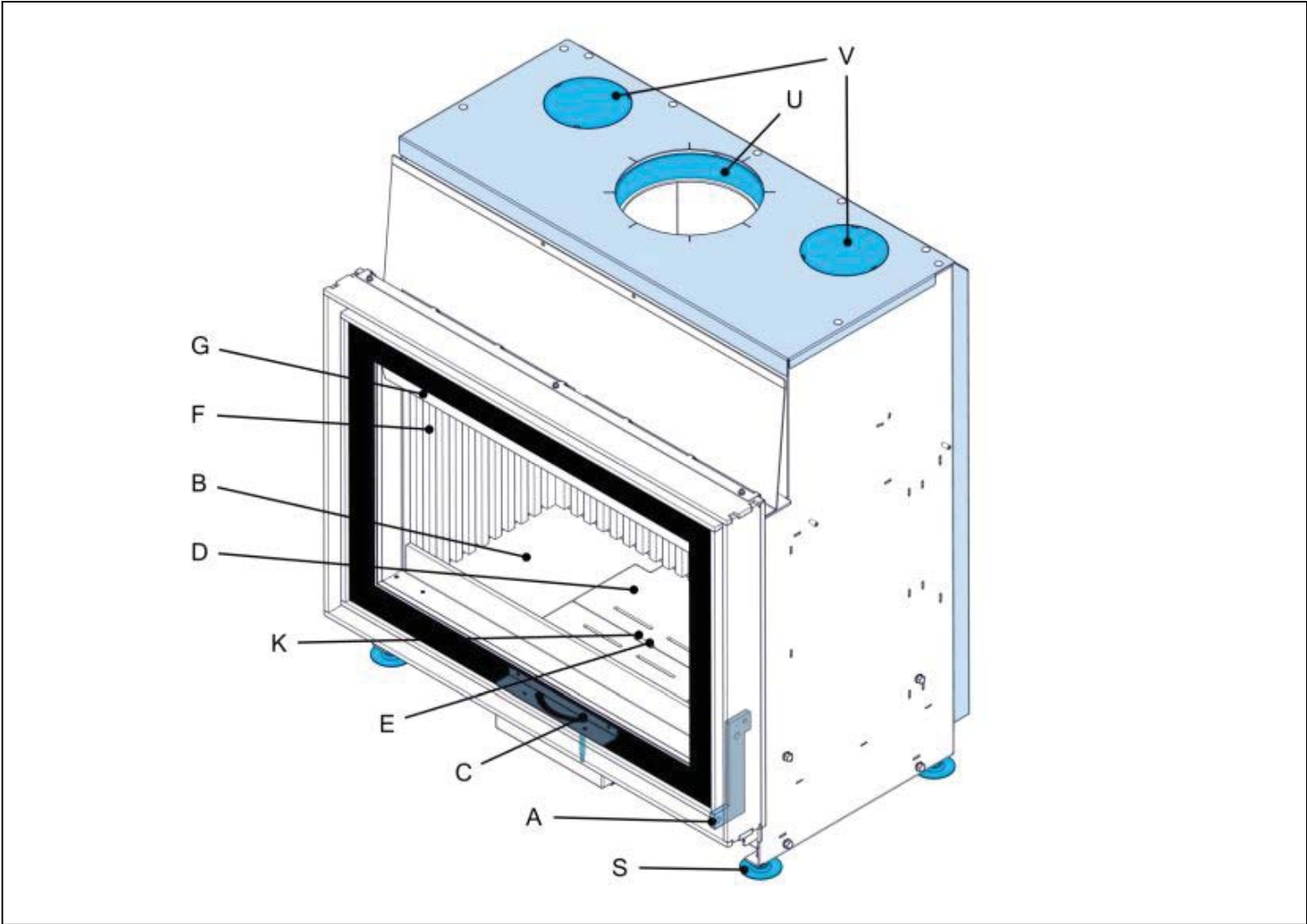


Table 1: Top view

	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	Ash tray	Tray to collect the ashes that fall through the grate.
F	Cast iron panels	Cover of the rear and sides of the combustion chamber.
G	Heat shield	Protects the steel in the top of the appliance against excessive heat radiation.
K	Primary air inlet	Combustion air supply through the grate into the combustion chamber. Primary air is used to start the fire.
S	Adjustable feet	4 adjustable feet to level the appliance.
U	Flue connection	The connection to the flue system that extracts the flue gases.
V	Convection air outlet	The heated air is extracted by the outlet openings into the (optional) aluminum flexible pipes.

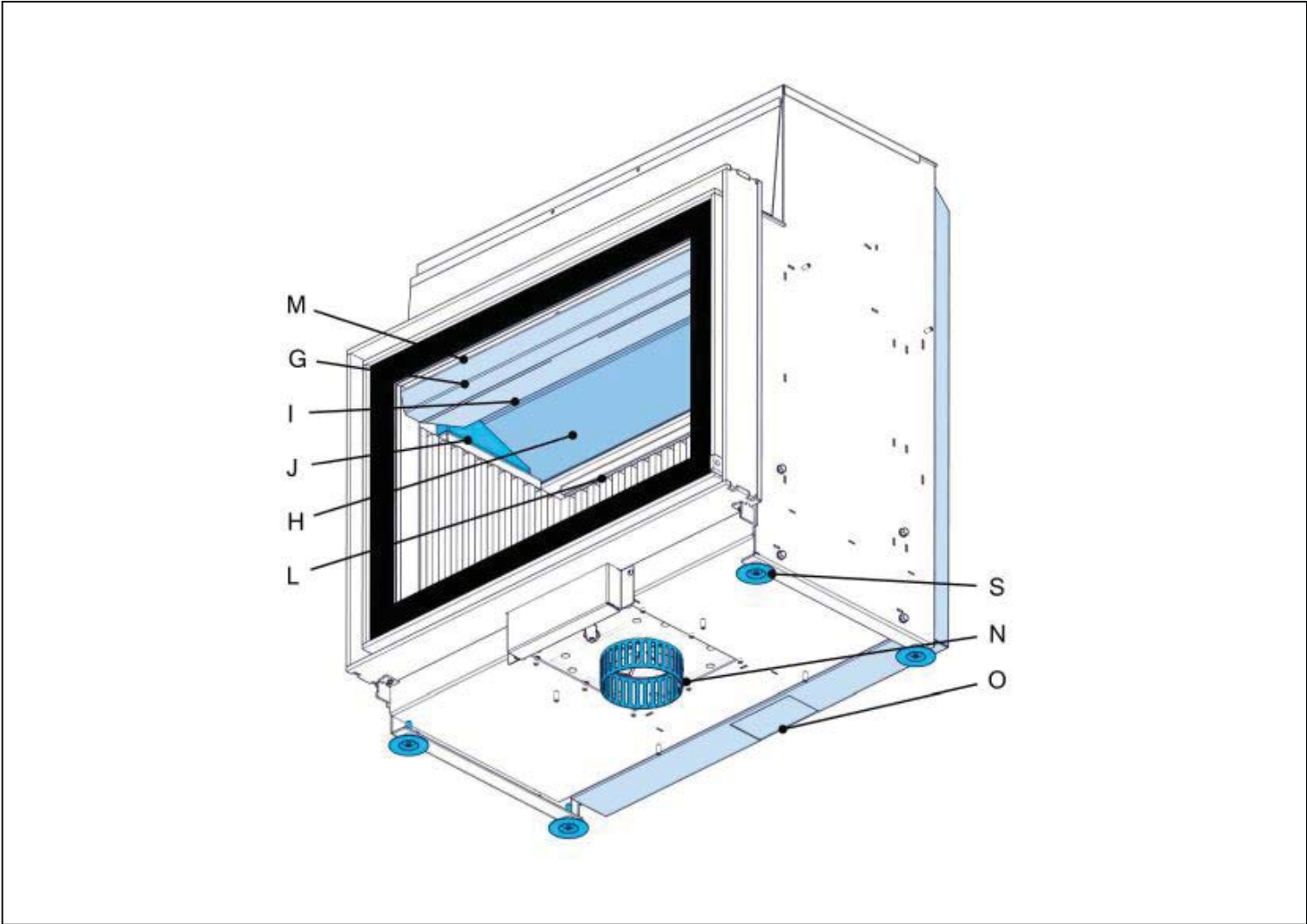


Table 2: Bottom view

	Item	Description
G	Heat shield	Protects the steel in the top of the appliance against excessive heat radiation.
H	Lower baffle	Ceramic plate in the top of the combustion chamber.
I	Upper baffle	Not visible in picture. Vermiculate plate in the top of the combustion chamber above the lower baffle.
J	Ceramic supports	Supports the lower baffle.
L	Secondary air inlet	Combustion air supply through the back wall into the combustion chamber. Secondary air is used for clean burning.
M	Air wash inlet	Combustion air supply through the top of the appliance into the combustion chamber. Air wash is used to prevent deposition of soot on the glass.
N	Combustion air inlet	Provides the appliance with combustion air.
O	Convection air inlet	Provides the appliance with convection air.
S	Adjustable feet	4 adjustable feet to level the appliance.

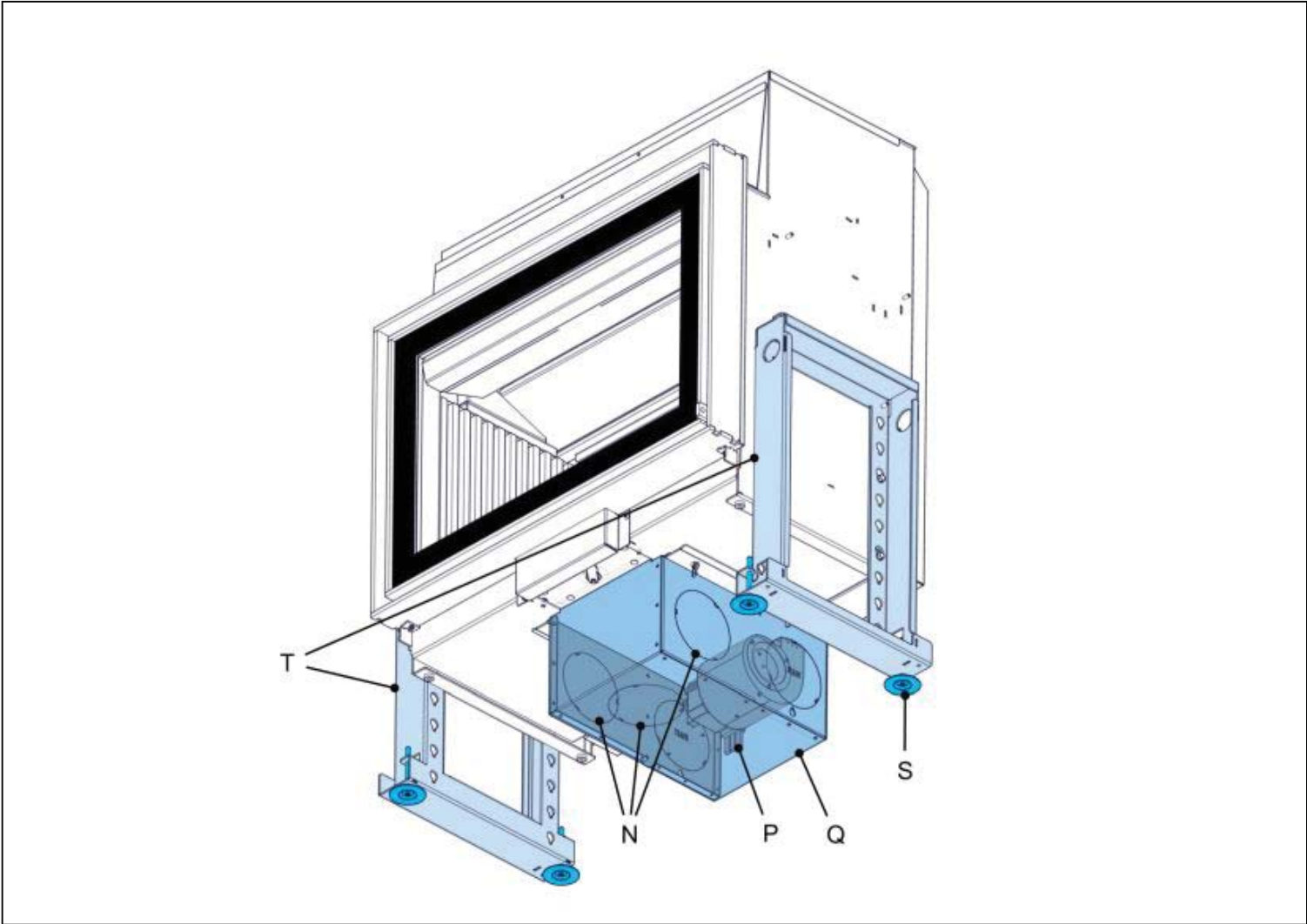


Table 3: Bottom view with convection ventilator / combustion air inlet box

	Item	Description
N	Combustion air inlet	Provides the appliance with combustion air.
P	Convection ventila- tor (option)	

- The appliance can be installed with a combustion air inlet box to connect a flexible aluminum pipe for the external combustion air supply.
- The appliance can be installed with a combined convection ventilator / combustion air inlet box to connect a flexible aluminum pipe for the external combustion air supply and to connect a flexible aluminum pipe for the supply of convection air.
- The appliance can be installed with a convection set. The convection set collects the heated convection air from the appliance and releases this air into the room. A convection ventilator / combustion air inlet box is needed for the convection system.
- The combustion air can be provided from the installation room or from external.



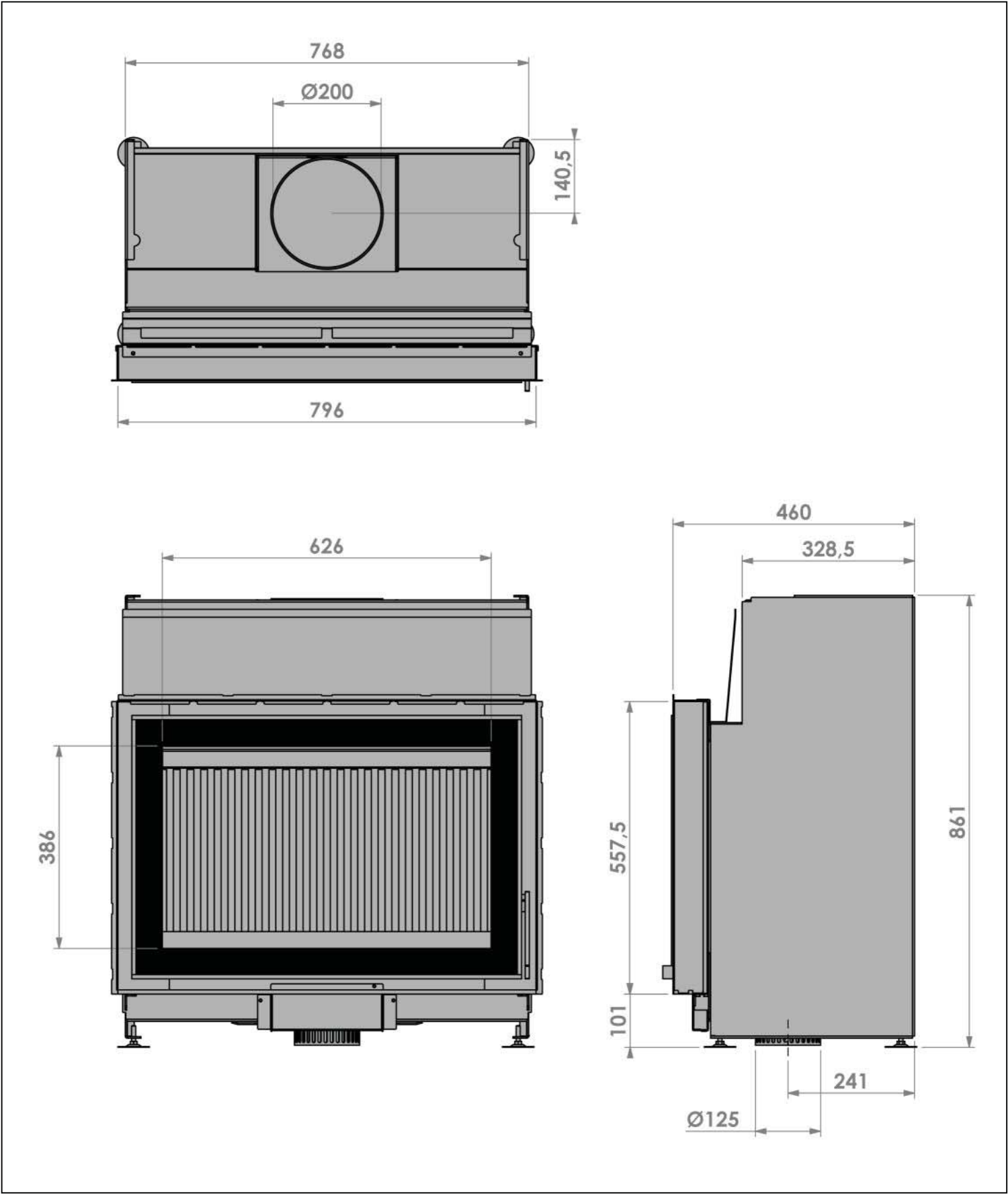
	Item	Description
C	Chimney	The chimney extracts the flue gases from the appliance.
D	Ventilation air outlet	The heated air in the chimney breast is extracted by the outlet openings into the room. This prevents overheating of the chimney breast.
E	Insulating material	The appliance insulation to keep the heat inside the appliance
F	Air supply	Provides the room with air for the appliance.
G		

	Item	Description
I	Flexible aluminum pipe (convection set option)	Extracts the heated convection air from the appliance.

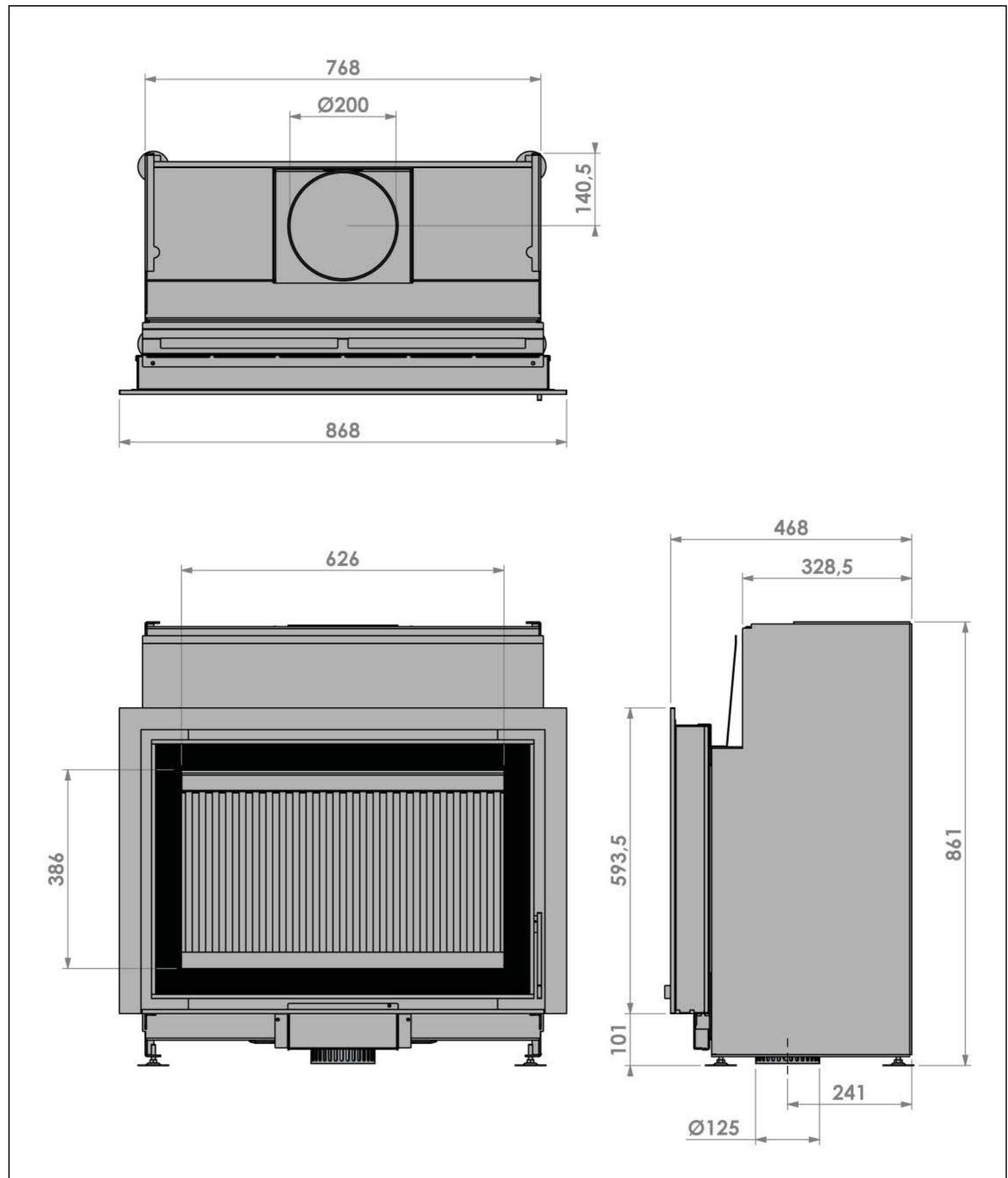
• Combustion chamber insulation	Vermiculite 750 kg/m ³
• Combustion floor and grate	Steel
• Lower baffle	Heat resistant ceramic 2000 kg/m ³
• Upper baffle	Vermiculite 750 kg/m ³
Combustion air supply	Pipe connection with diameter of 125 mm on the appliance or 3 holes with diameter of 125 mm on the optional convection ventilator / combustion air inlet box
Options	
• Convection ventilator / combustion air inlet box • Combustion air inlet box • Set of 2 adjustable height frames	
Electrical energy consumption: • Convection ventilator	69 W; 230 VAC
The specific precautions that shall be taken when the local space heater is assembled, installed or maintained, are listed in the attached documents:	• Installation and maintenance manual • User manual

9 Dimensions

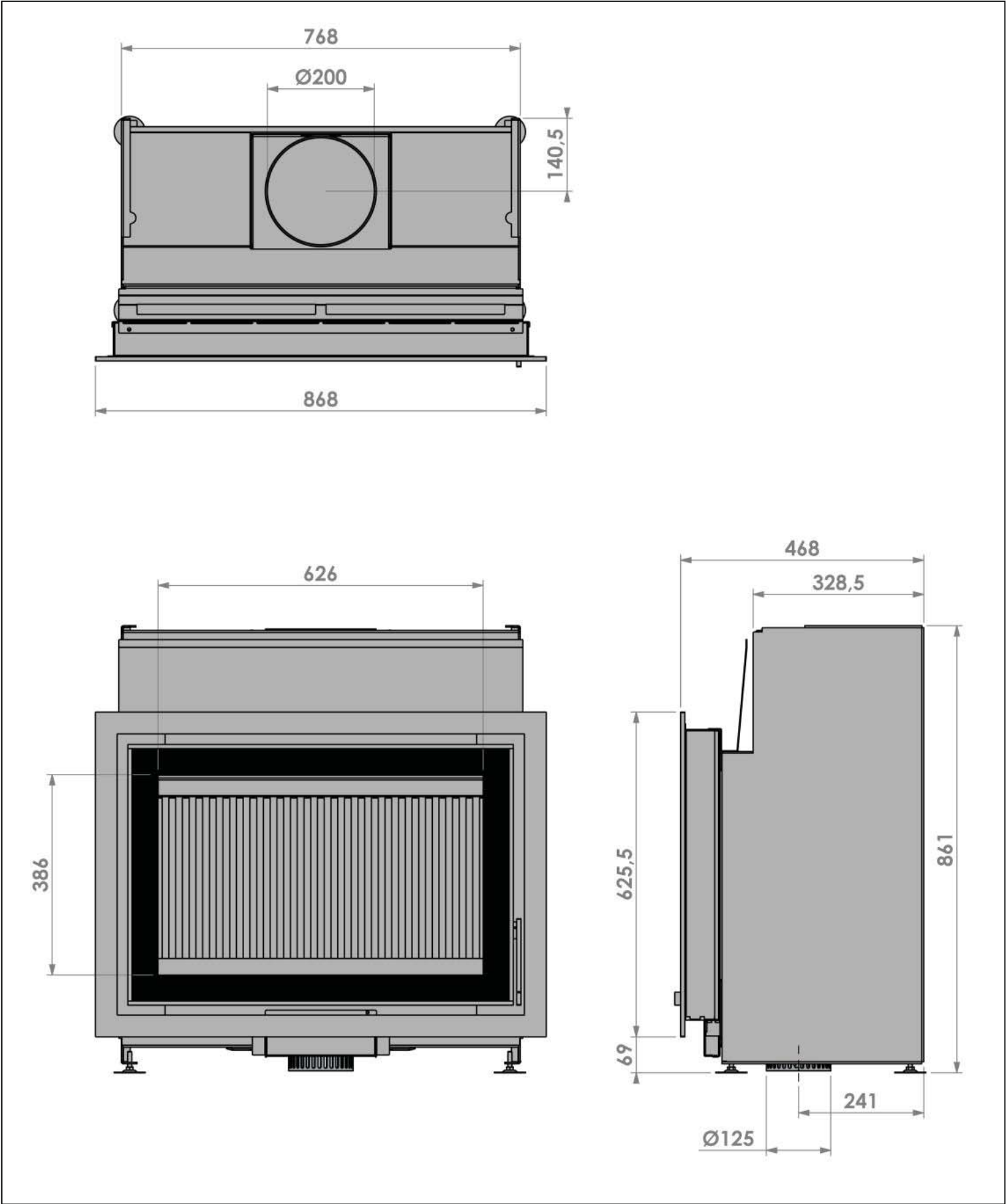
9.1 Frameless appliance



9.3 Appliance with 3-sided classic frame



9.4 Appliance with 4-sided classic frame



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