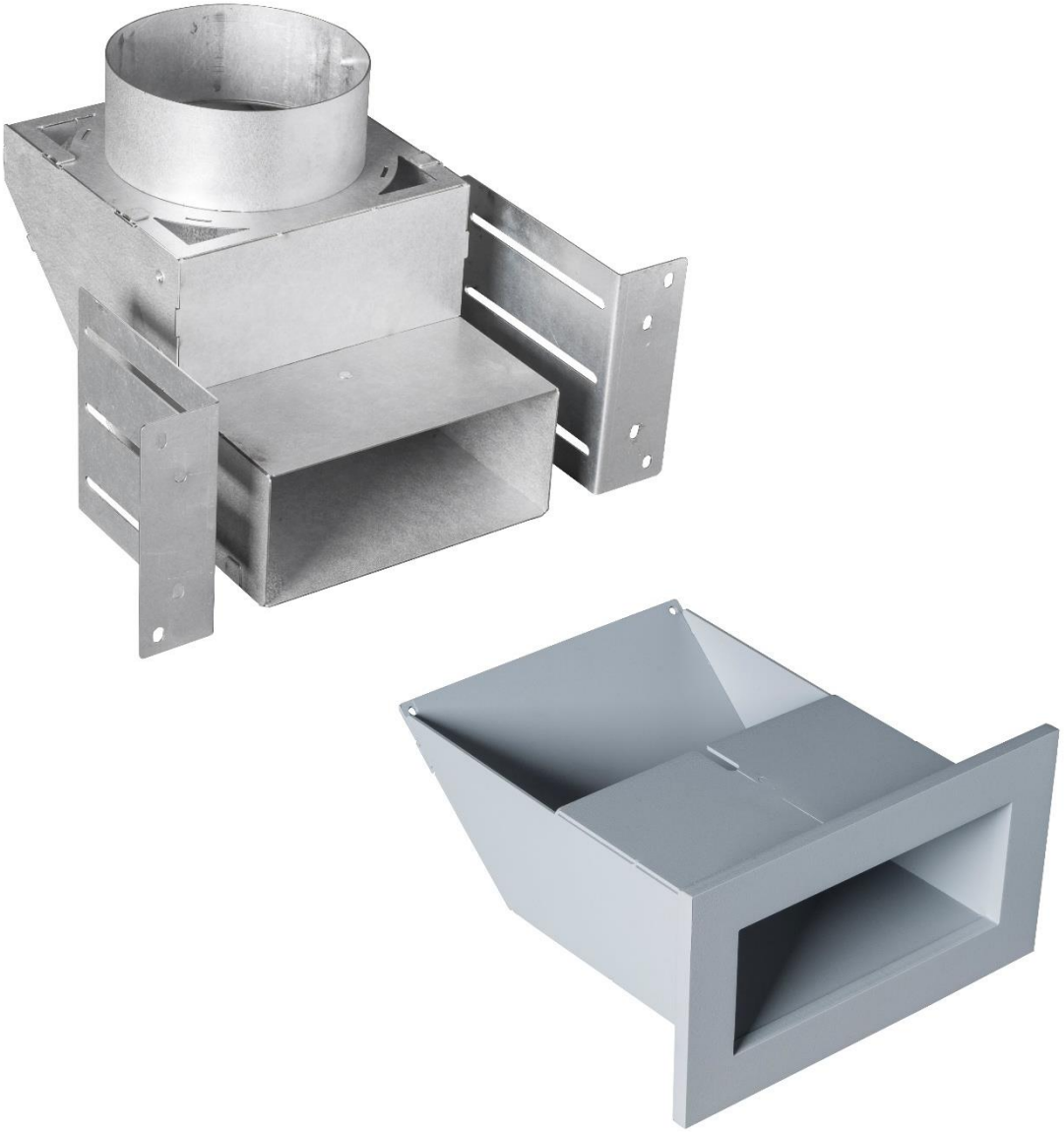
barbas bellfires fireplaces

Installation manual Airbox 160

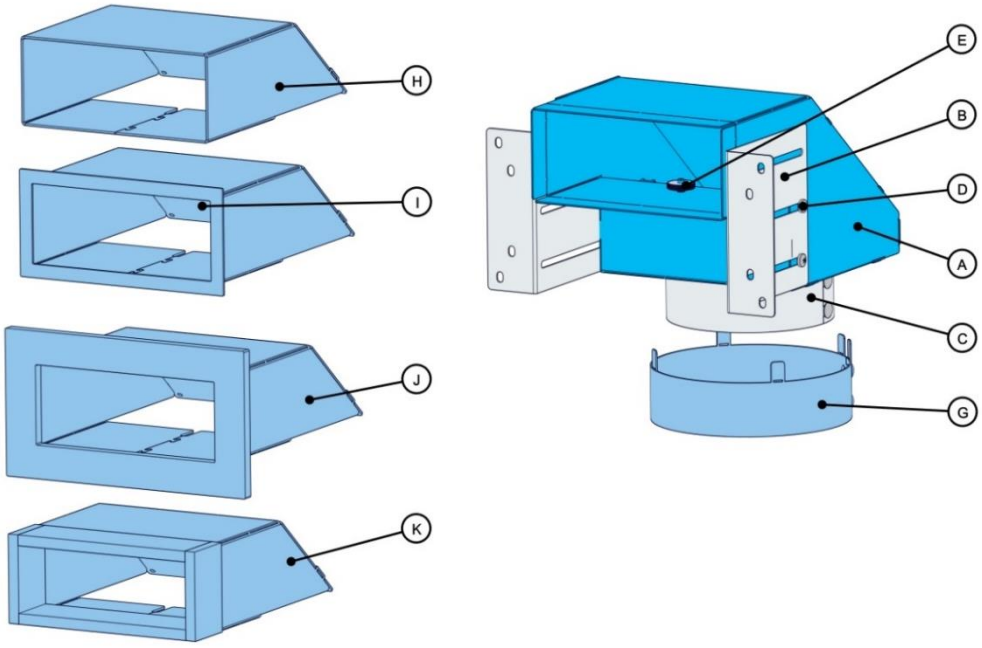


Introduction

The Barbas Bellfires chimney breast venting system Airbox 160 is designed for use as air inlet and air outlet for ventilation and convection air.

In this manual you find the general installation information for correct installation and handling of the Airbox 160 and the design inserts 160.

Overview options Airbox 160



Pos.	Description	Qty.
A	Airbox 160	1x
B	Wall bracket	2x
C	Collar adaptor 125 mm	1x
D	Screw M5x12	4x
E	Knurled nut M5	1x
options		
G	Collar adaptor 150 mm **	1x
H	Insert 160 frameless *	1x
I	Insert 160 slim frame *	1x
J	Insert 160 classic frame 8mm *	1x
K	Insert 160 built-in frame 8mm *	1x

* Available in the colors white, black or grey, sold separately

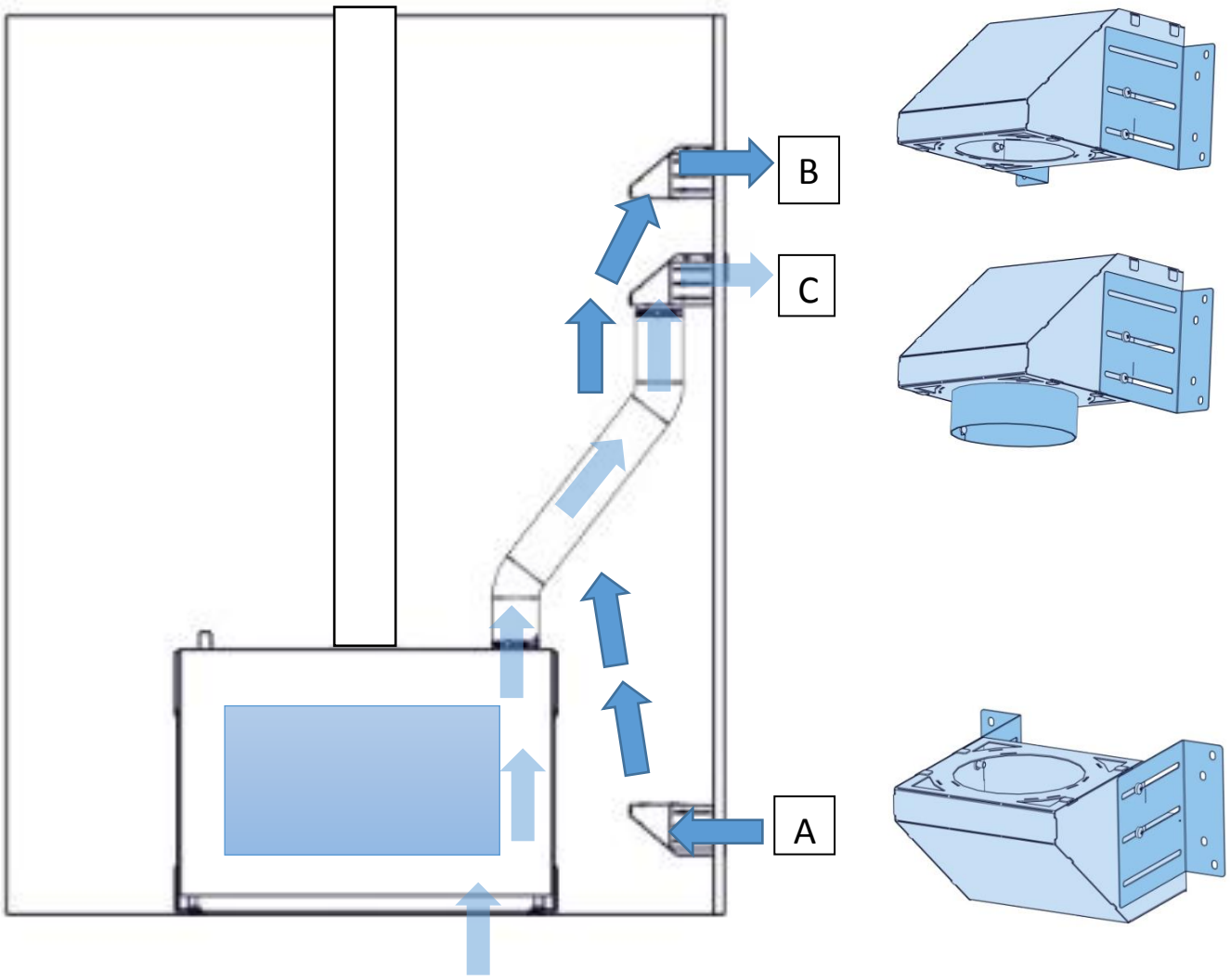
** Optional, sold separately

Intended use

The Airbox 160 together with the chosen design insert is intended for indoor use only to ventilate a chimney breast or to be used for the convection air system in a chimney breast.

The Airbox 160 can be used as:

A Ventilation air inlet
B Ventilation air outlet
C Convection air outlet

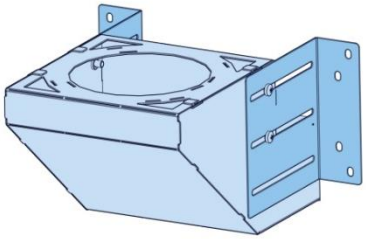


General safety instructions

- Installation must be done by a qualified installer.
- Follow the installation instructions in the installation and maintenance manual of the heating appliance.
- Never use the Airbox 160 for flue gas exhaust!! Use it only for convection and ventilation of the chimney breast!

- For the minimum required ventilation area, refer to the installation and maintenance manual of the heating appliance.
- The chimney breast must be made of non-combustible material (e.g. stone or superisol)
- The convection air outlet must be placed minimum 50 cm from the ceiling, 30 cm from an opposite wall and 20 cm from a neighbouring wall to prevent excessive heat accumulation or discoloration of surrounding walls.
- Attach the Airbox 160 inside the chimney breast before completing the chimney breast construction.
- Use the supplied wall brackets and non-combustible fasteners according the used wall material to install the Airbox 160.
- Open the package and handle the inserts with care to avoid damage or scratches.
- Dispose package material according to local regulations.
- When the heating appliance is in use, do not touch the Airbox 160 and design inserts; they can be hot and cause personal injury.

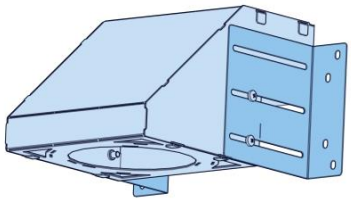
Installation procedure



A Ventilation air inlet

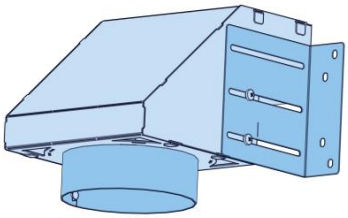
1. Determine the position of the air inlet opening. Refer to the installation and maintenance manual of the heating appliance.
2. Make a rectangular opening of 162mm x 72mm (WxH) through the chimney breast wall.
3. Make sure that the wall surrounding the opening is thick enough (min. 30mm, max. 100mm) to hold the Airbox 160 and fasteners.
4. Attach the wall brackets (B) on the Airbox 160 with the 4 M5 screws (D). Do not tighten the screws.
5. Put the Airbox 160 in the opening , from the inside of the chimney breast. Make sure that the round opening of the Airbox 160 is pointing up.
6. Attach the wall brackets to inner side of the chimney breast wall with suited fasteners.
7. Adjust the Airbox 160 so that the front of the rectangular opening will be in line with the surface of the finished chimney breast. Make sure that the thickness of any plaster is taken into account when positioning the Airbox. Tighten the four M5 screws (D).
8. After finishing the chimney breast, slide the design insert in the Airbox 160 and attach the design insert with the knurled nut (E) in the Airbox 160

B Ventilation air outlet

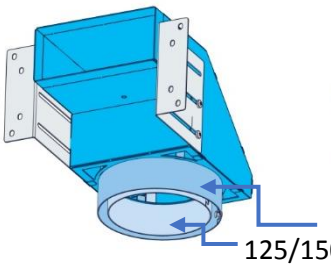


1. Determine the position of the air inlet opening. Refer to the installation and maintenance manual of the heating appliance.
2. Make a rectangular opening of 162mm x 72mm (WxH) through the chimney breast wall.
3. Make sure that the wall surrounding the opening is thick enough (min. 30mm, max. 100mm) to hold the fasteners of the wall brackets (B).
4. Attach the wall brackets (B) on the Airbox 160 with the 4 M5 screws (D). Do not tighten the screws.
5. Put the Airbox 160 in the opening , from the inside of the chimney breast. Make sure that the round opening of the Airbox 160 is pointing down.
6. Attach the wall brackets to the wall with appropriate fasteners.
7. Adjust the Airbox 160 so that the front of the rectangular opening will be in line with the surface of the finished chimney breast. Make sure that the thickness of any plaster is taken into account when positioning the Airbox. Tighten the four M5 screws (D).
8. After finishing the chimney breast, slide the design insert in the Airbox 160 and attach the design insert with the knurled nut (E) in the Airbox 160

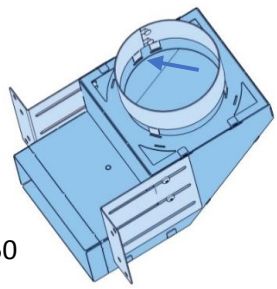
C Convection air outlet

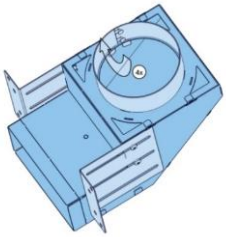


1. Determine the position of the air inlet opening. Refer to the installation and maintenance manual of the heating appliance.
2. Make a rectangular opening of 162mm x 72mm (WxH) through the chimney breast wall.
3. Make sure that the wall surrounding the opening is thick enough (min. 30mm, max. 100mm) to hold the fasteners of the wall brackets (B).
4. Attach the correct collar adaptor** in the related openings of the Airbox 160 and bend out the 4 lips of the collar.



125/150





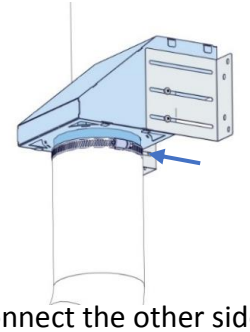
125



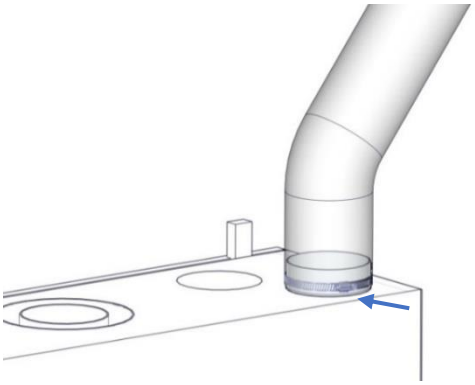
150

5. Attach the wall brackets (B) on the Airbox 160 with the 4 M5 screws (D). Do not tighten the screws.

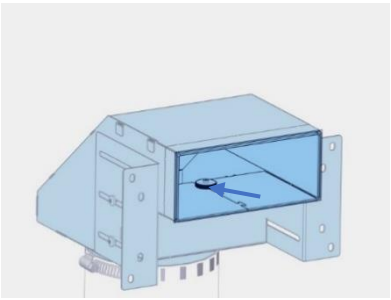
6. Put the Airbox 160 in the opening , from the inside of the chimney breast. Make sure that the round opening of the Airbox 160 is pointing down.
7. Attach the wall brackets to the wall with appropriate fasteners.
8. Adjust the Airbox 160 so that the front of the rectangular opening will be in line with the surface of the finished chimney breast. Make sure that the thickness of any plastering is taken into account when positioning the Airbox. Tighten the four M5 screws (D).
9. If applicable, connect the flexible pipe to the collar adaptor on the Airbox 160. Use a hose clamp.



10. If applicable, connect the other side of the flexible pipe to the collar on the convection case of the heating appliance. Use a hose clamp.



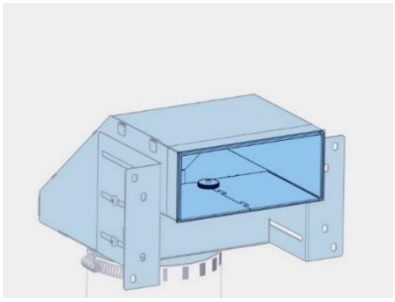
11. After finishing the chimney breast, slide the design insert 160* in the Airbox 160 and attach the design insert using the knurled nut (E) in the Airbox 160.



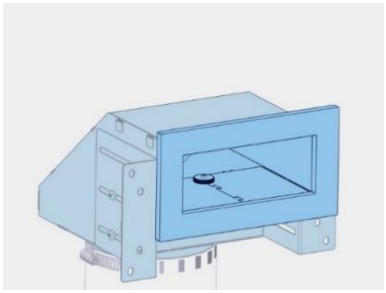
** Use the standard 125 collar adaptor (C) when using flexible aluminium air pipe with inner diameter 125 mm (standard Barbas Bellfires appliances). Use the optional 150 mm collar adaptor (G) when using flexible aluminium air pipe with inner diameter 150 mm (appliances of other suppliers)

* Design Insert 160 Frame options:

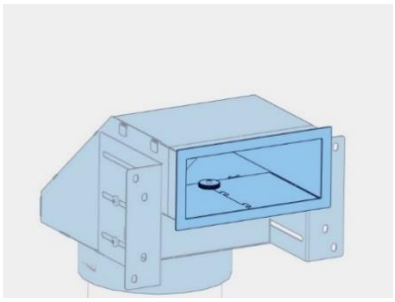
Frameless (H)



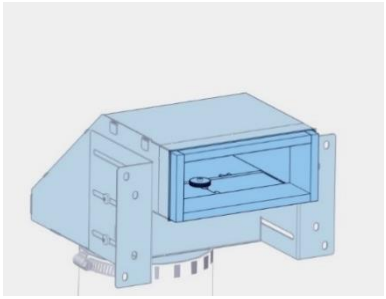
Classic frame (J)



Slim frame (I)



Built-in frame (K)



The design inserts are available in 3 colors : white, black or grey

Maintenance

- For optimal performance, keep the Airbox 160 and deign insert free of dust and obstructions..
- Clean the Airbox 160 and deisgn inserts only when the heating appliance is not in use and cooled down: the design inserts can be hot!
- Regularly clean with a wet cloth and mild non-abrasive soap.
- Keep this manual for later reference.

Support

For further support or information, ask your Barbas Bellfires dealer or go to www.barbasbellfires.com

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Barbas Bellfires BV

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