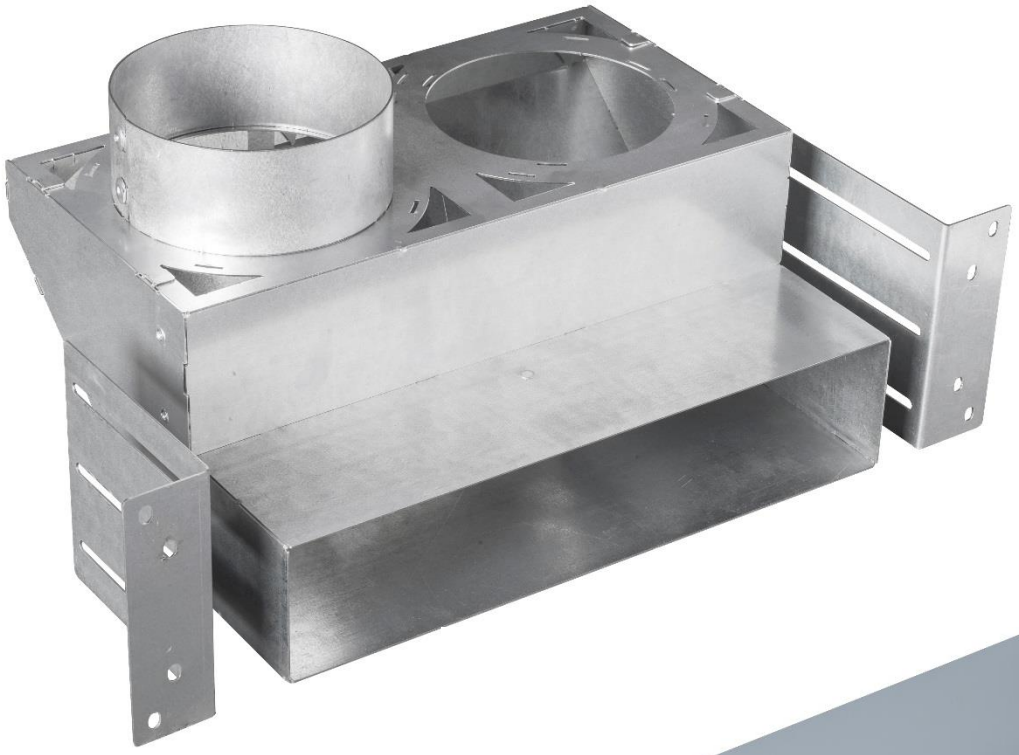
barbas bellfires fireplaces

Installation manual Airbox 320



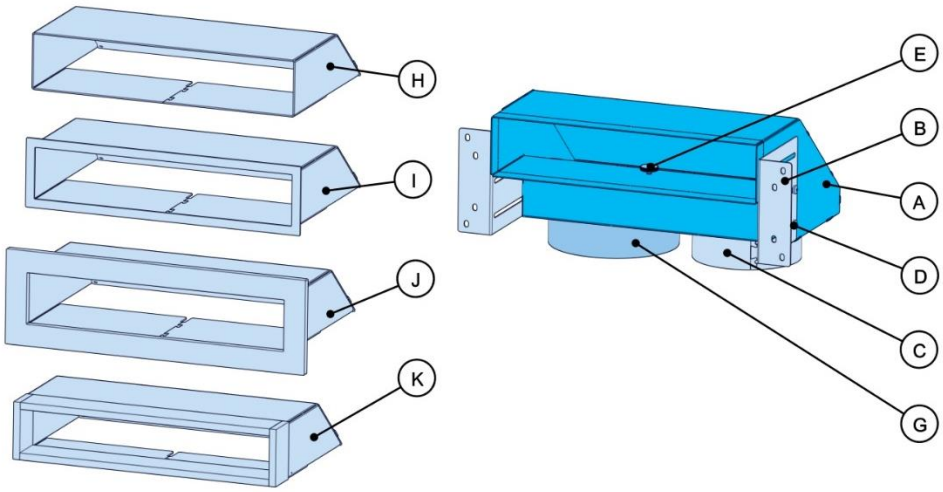


Introduction

The Barbas Bellfires chimney breast venting system Airbox 320 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 320 and the design inserts 320.

Overview options Airbox 320



Pos.	Description	Qty.
A	Airbox 320	1x
B	Wall bracket	2x
C	Collar adaptor 125	1x
D	Screw M5x12	4x
E	Knurled nut M5	1x
options		
G	Collar adaptor 150 **	1x
H	Insert 320 frameless *	1x
I	Insert 320 slim frame *	1x
J	Insert 320 classic frame 8mm *	1x
K	Insert 320 built-in frame 8mm *	1x

* Available in white, black or gray, sold separately

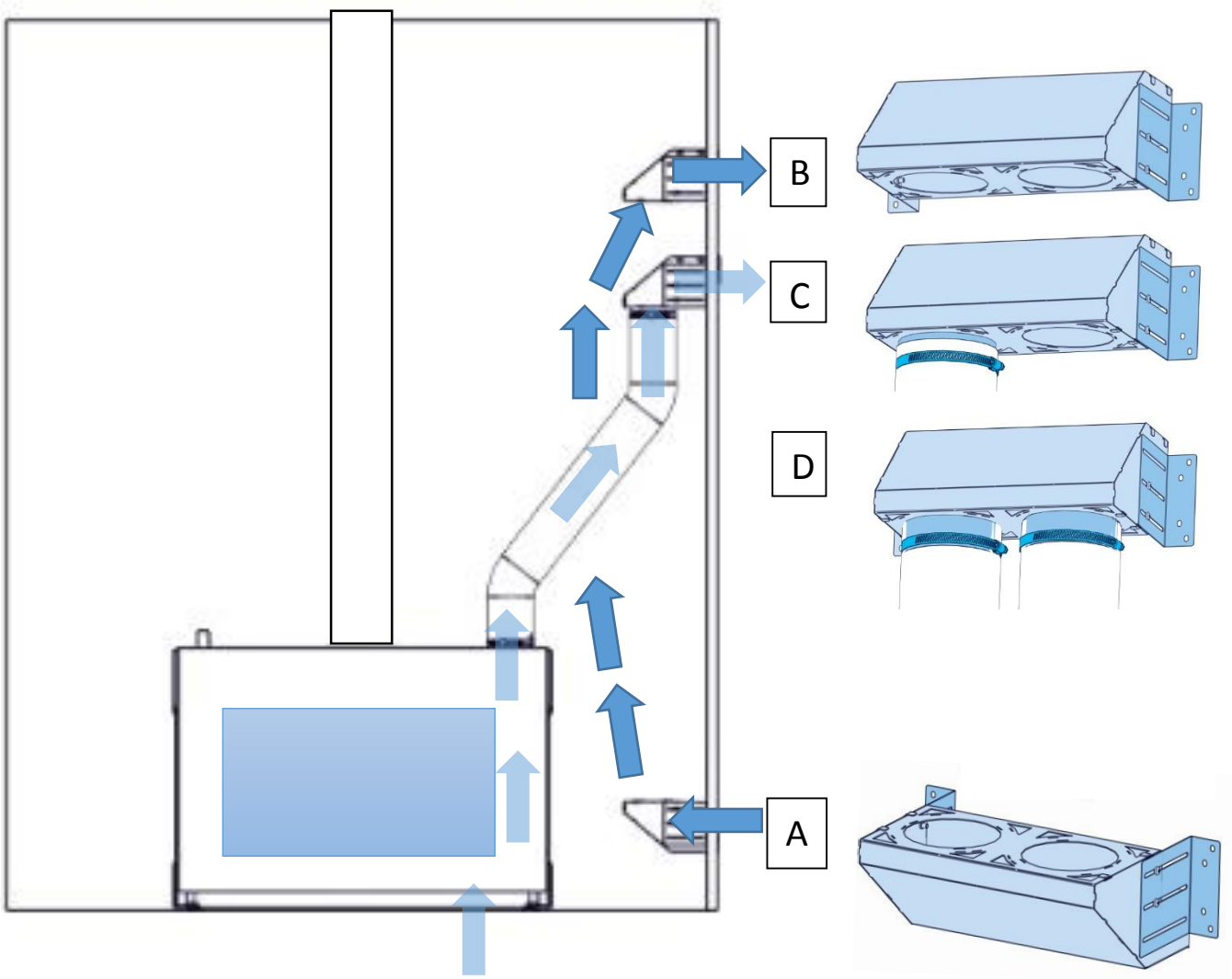
** Optional, sold separately

Intended use

The Airbox 320 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 320 can be used as:

A Ventilation air inlet
B Ventilation air outlet
C Ventilation air and convection air outlet
D Ventilation air and dubble convection air outlet

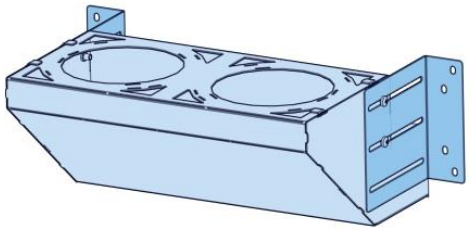


General safety instructions

- 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 320 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 320 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 320.
- 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 320 and design inserts; they can be hot and cause personal injury.

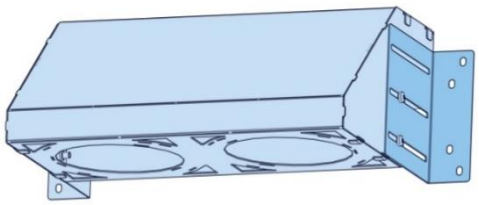
Installation procedure



A Ventilation air inlet

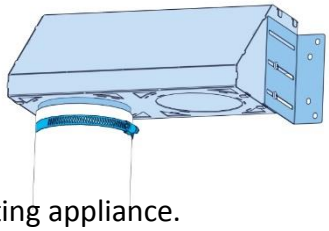
1. Determine the position of the air inlet opening.
   Refer to the installation and maintenance manual of the heating appliance.
2. Make a rectangular opening of 322mm x 72mm (WxH) through the chimney breast wall.
3. Make sure that the wall surrounding the hole is thick enough (min. 30mm, max. 100mm) to hold Airbox 320 and fasteners.
4. Attach the wall brackets (B) on the Airbox 320 with the 4 M5 screws (D). Do not tighten the screws.
5. Put the Airbox 320 in the opening, from the inside of the chimney breast. Make sure that the round openings of the Airbox 320 are pointing up.
6. Attach the wall brackets to the inner side of the chimney breast wall with suited fasteners.
7. Adjust the Airbox 320 so that the front of the rectangular opening of the Airbox 320 is 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 320. Tighten the four M5 screws (D).
8. After finishing the chimney breast, slide the design insert 320* in the Airbox 320 and fixate the insert using the knurled nut (E) in the Airbox 320.

B Ventilation air outlet

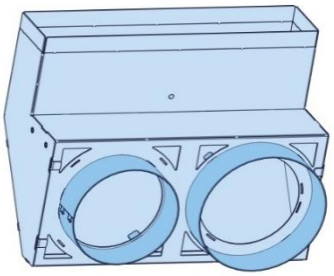


1. Determine the position of the air inlet opening.
   Refer to the installation and maintenance manual of the heating appliance.
2. Make a rectangular opening of 322mm x 72mm (WxH) through the chimney breast wall.
3. Make sure that the wall surrounding the hole is thick enough (min. 30mm, max. 100mm) to hold Airbox 320 and fasteners.
4. Attach the wall brackets (B) on the Airbox 320 with the 4 M5 screws (D). Do not tighten the screws.
5. Put the Airbox 320 in the opening, from the inside of the chimney breast. Make sure that the round openings of the Airbox 320 are pointing down.
6. Attach the wall brackets to the inner side of the chimney breast wall with suited fasteners.
7. Adjust the Airbox 320 so that the front of the rectangular opening of the Airbox 320 is 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 320. Tighten the four M5 screws (D).
8. After finishing the chimney breast, slide the design insert 320* in the Airbox 320 and fixate the insert using the knurled nut (E) in the Airbox 320.

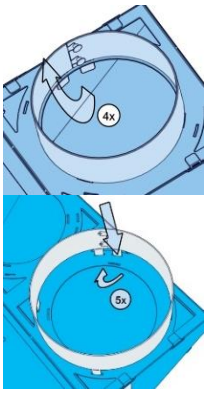
C Ventilation and convection air outlet



1. Determine the position of the air outlet opening.
   Refer to the installation and maintenance manual of the heating appliance.
2. Make a rectangular opening of 322mm 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 Airbox 320 and fasteners.
4. Attach 1 collar adaptor** in the corresponding openings of the Airbox 320 and bend the lips of the collar.



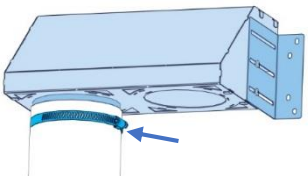
125 mm or 150 mm



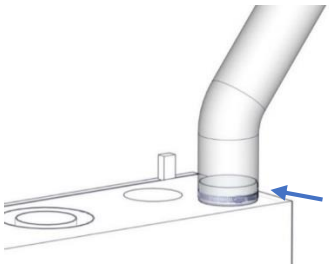
Standard 125 mm collar: Bend out the 4 lips

Optional 150 mm: Bend in the 5 lips

5. Attach the wall brackets (B) on the Airbox 320 with the 4 M5 screws (D). Do not tighten the screws.
6. Put the Airbox 320 in the opening, from the inside of the chimney breast. Make sure that the round openings of the Airbox 320 are pointing down.
7. Attach the wall brackets to the inner side of the chimney breast wall with suited fasteners.
8. Adjust the Airbox 320 so that the front of the rectangular opening of the Airbox 320 is 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 320. Tighten the four M5 screws (D).
9. If applicable, connect the flexible pipe to the collar adaptor on the Airbox 320. Use a hose clamp.



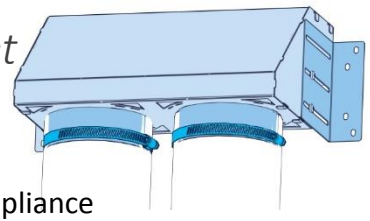
10. If applicable, connect the other side of the flexible pipe to the collar on the convection case of the heating appliance. Use a hose clamp.



11. After finishing the chimney breast, slide the design insert 320* in the Airbox 320 and attach the design insert using the knurled nut (E) in the Airbox 320

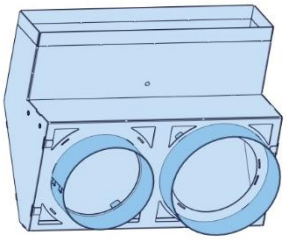
** Use the standard 125 collar adaptor (C) when using flexible aluminum air pipe with inner diameter 125 mm (standard Barbas Bellfires appliances). Use the optional 150 mm collar adaptor(G) when using flexible aluminum air pipe with inner diameter 150 mm (appliances of other suppliers)

D Ventilation air and double convection air outlet

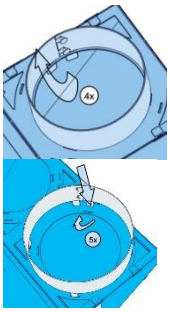


1. Determine the position of the air outlet opening.
   Refer to the installation and maintenance manual of the heating appliance
   Make a rectangle hole of 322mm x 72mm (WxH) through the chimney breast wall.
2. Make sure that the wall surrounding the hole is thick enough to hold the fasteners of the wall brackets (>30mm).

3. Place 2 collar adaptors** in the corresponding openings of the Airbox 320 and bend the lips.



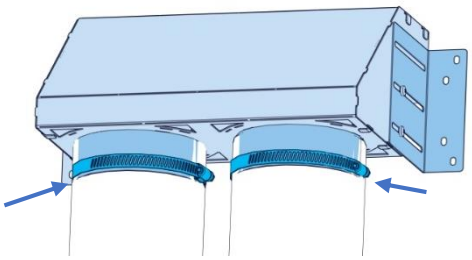
125 mm or 150 mm*



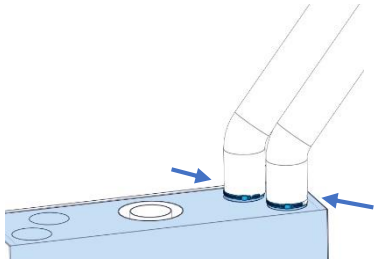
Standard 125 mm collar: Bend out the 4 lips

*Optional 150 mm collar: Bend in the 5 lips

4. Attach the wall brackets (B) on the Airbox 320 with the 4 M5 screws (D). Do not tighten the screws.
5. Put the Airbox 320 in the opening, from the inside of the chimney breast. Make sure that the round openings of the Airbox 320 are pointing down.
6. Attach the wall brackets to the inner side of the chimney breast wall with suited fasteners.
7. Adjust the Airbox 320 so that the front of the rectangular opening of the Airbox 320 is 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 320. Tighten the four M5 screws (D).
8. If applicable, connect the flexible pipe to the collar adaptor on the Airbox 320. Use hose clamps.



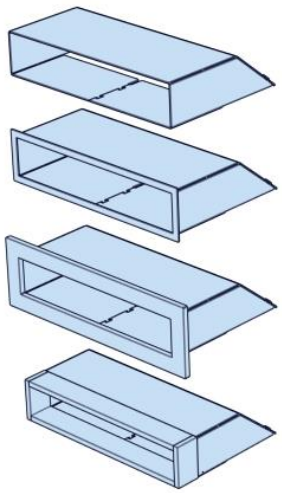
9. If applicable, connect the other side of the flexible pipe to the collar on the convection case of the heating appliance. Use hose clamps.



10. After finishing the chimney breast, slide the design insert* in the Airbox 320 and attach the design insert using the knurled nut in the Airbox 320.

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

* Design Insert 320 Frame options:



Frameless (H)

Slim frame (I)

Classic frame (J)

Built-in frame (K)

The design inserts 320 are available in 3 colors: white, black or grey

Maintenance

- For optimal performance, keep the Airbox 320 and design insert free of dust and obstructions.
- Clean the Airbox 320 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

Version: 01-25012018-346495

Barbas Bellfires BV

This document or parts thereof may not be reproduced stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical,photocopying, recording, nor otherwise, without the prior written permission of Barbas Bellfires BV. This document could contain technical inaccuracies or typographical errors. Barbas Bellfires BV reserves the right to revise this document from time to time in contents thereof.

Contact information:

Barbas Bellfires BV
Hallenstraat 17, 5531 AB Bladel, The Netherlands
Phone: +31-497 339200
Email: info@barbasbellfires.com
www.barbasbellfires.com