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MAXEN THERMA FLUE KIT INSTALLATION INSTRUCTIONS TO SUIT

Maxen MKII, Maxen MKIII FREE STANDING WOOD FIRE FLUE KITS

WARNING: THIS FLUE KIT HAS BEEN MANUFACTURED IN ACCORDANCE WITH AS/NZS 2918:2001 AND TESTED TO APPENDIX F. TO ENSURE SAFETY THIS FLUE KIT MUST BE INSTALLED AS OUTLINED IN THESE INSTRUCTIONS AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES. WOOD FIRE AND FLUE CLEARANCES FROM THE COMBUSTIBLE WALLS MUST BE IN ACCORDANCE WITH WOOD FIRE MANUFACTURER'S SPECIFICATIONS AND AS/NZS 2918:2001. THESE INSTALLATION INSTRUCTIONS ARE FOR TESTED APPLIANCES ONLY.

CAUTION: MIXING FLUE SYSTEM COMPONENTS FROM DIFFERENT SOURCES OR MODIFYING THE DIMENSIONAL SPECIFICATION OF COMPONENTS MAY RESULT IN HAZARDOUS CONDITIONS. WHERE SUCH ACTION IS CONSIDERED, THE MANUFACTURER SHOULD BE CONSULTED IN THE FIRST INSTANCE.

CAUTION: IT IS THE RESPONSIBILITY OF THE INSTALLER TO ENSURE THAT THE INSTALLATION OF THIS FLUE KIT COMPLIES WITH AS/NZS 2918:2001, THE APPLIANCE MANUFACTURERS SPECIFICATIONS FOR FLUE PIPE SHIELD AND CEILING PLATE AND THAT THE RELEVANT BUILDING CODES ARE ADHERED TO.
BENDS AND EXTENSIONS TO THE LENGTH OF A FLUE SYSTEM ARE PERMITTED (AS/NZS 2918:2001 4.1).

FLAT CEILING INSTALLATION

1) Locate the wood fire in its proposed position and mark a point on the ceiling that is directly above the centre of the flue spigot. Check that the location of the wood fire allows the 250 mm OUTER GALV LINER and the THERMA FLUE CASE ASSEMBLY to clear all structural roof timbers.

2) Note that AS/NZS 2918:2001 4.9 1(a) states," the FLUE PIPE shall extend no less than 4.6m above the top of the floor protector". **Refer to diagram A**.

   a) If the FLUE PIPE is within 3 metres of the ridge, the FLUE PIPE must protrude at least 600mm above the ridge of the roof.

   b) If the distance from the ridge is more than 3 metres, the FLUE PIPE must protrude at least 1000mm above roof penetration.

   c) The FLUE PIPE must be more than 3 metres from any nearby structure. **Refer to diagram C.**
   Additional FLUE PIPE, 250 mm OUTER GALV LINER and/or 200 mm INNER GALV LINER may have to be added to ensure the following:

      i) The correct minimum roof penetration height.

      ii) Sufficient overall height to encase the FLUE PIPE which must extend a minimum of 4.6m from the floor protector. **Refer diagram A**.

3) Cut a 304 mm square hole in the ceiling to accommodate the THERMA FLUE CASE ASSEMBLY. Directly above, cut a hole in roof to accommodate the 250 mm OUTER GALV LINER ASSEMBLY.

4) Fit a timber frame around the ceiling. i.e. frames form a 304 mm square aperture to suit the THERMA FLUE CASE ASSEMBLY. Either frame, or use the (Supplied) angle brackets to support the 250 mm OUTER GALV LINER ASSEMBLY through the roof.

5) Lift the OUTER GALV LINER ASSEMBLY up, through the 304 mm hole in the ceiling, and temporarily support it until the THERMA FLUE GALV LINER ASSEMBLY has been fitted.

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6) Fit the THERMA FLUE CASE ASSEMBLY up, into the square hole from below the ceiling. Use 8 x square drive screws (supplied), and screw the assembly so it is flush with the underside of the ceiling. An additional 8 holes are provided to screw to the sides of the case to the framework. These are required to take the entire weight of the flue assembly.

7) Position the OUTER GALV LINER ASSEMBLY into the THERMA FLUE CASE ASSEMBLY. The OUTER GALV LINER ASSEMBLY lower end should rest on the 4 brackets inside the THERMA FLUE CASE ASSEMBLY. When in place, screw or rivet the OUTER GALV LINER ASSEMBLY INTO POSITION.

8) Check the FLUE PIPE SPACING BRACKETS fitted to the 200 mm INNER LINER are correctly positioned, this will ensure the INNER LINER is 12mm above the 250 mm OUTER LINER at the lower end. Check the 200 mm INNER GALV LINER / LINERS overall length. When correctly positioned, it should extend a minimum of 200mm above the roof penetration.

9) Additional 250mm and 200mm liners, and 150mm flue pipe may be required to meet the requirements of diagram A and diagram C.

10) Fix an appropriate flashing around the OUTER GALV LINER to seal onto the roofing material. Refer to the manufacturer's recommendations for the correct fitting.

NB: On iron roofs, fixings such as metal angle brackets (40mm x 40mm) can be fitted under the flashing to securely fix the roof to OUTER GALV LINER (supplied).

11) Place the THERMA FLUE KIT CEILING PLATE, ensuring the folded edges are facing the ceiling, and the THERMA FLUE KIT CEILING PLATE INSULATION CAP (facing down) over wood fire's flue spigot.

12) Assemble the FLUE PIPES with crimped ends down (towards wood fire). Secure each joint with a minimum of three Monel Steel rivets equally spaced around the joint. The unpainted FLUE PIPES are fitted at the top of the assembly. Position the bottom length of FLUE PIPE into wood fire flue spigot. Flue pipe sealant should be used when securing the spigot screw / bolt in place (after fitting the flue shield lower bracket).

13) Before securing the OUTER GALV LINER SLIP EXTENSION to the OUTER GALV LINER with 8 rivets, ensure the FLUE PIPE extends above the top of the OUTER GALV LINER SLIP EXTENSION 145mm. Adjust the OUTER GALV SLIP EXTENSION to obtain the measurement.

14) Fit TOP SPACER BRACKET to the FLUE PIPE making sure the lugs fit snugly inside the OUTER GALV LINER SLIP EXTENSION. Make sure TOP SPACER BRACKET fits hard down onto OUTER GALV LINER SLIP EXTENSION.

15) Fit the GALV APRON COVER over the FLUE PIPE and push down firmly onto TOP SPACER BRACKET.

16) Fit the COWL but do not secure with fasteners, as removal for flue cleaning will be necessary. Deform the stub of the COWL to ensure it is a tight friction fit.

17) Raise the CEILING PLATE above the spigot and support with packaging or similar (don't scratch the top of the fire). Raise the CEILING PLATE INSULATION CAP enough to fit the 2 CERAMIC INSULATION half's into place, between the two components. Lower the CEILING PLATE INSULATION CAP and centralise over the 2 CERAMIC INSULATION half's. Carefully raise the 3 components (sliding over the flue pipes) to the ceiling. Fasten the CEILING PLATE to ceiling using the 4 x screws provided. Do not over-tighten. The CERAMIC INSULATION should be evenly secured around the flue pipe with no gaps. Refer to diagram B.

18) Leave all installation and operating instructions with the owner.
The Satin Black painted flue pipes and the ceramic insulation can be touched up using a color matched VHT aerosol paint available from Maxen stockists.

The stainless steel pipes used in the Maxen MKII Flue Kit are warranted for five years from date of purchase to the initial purchaser, provided these installation instructions and the manufacturer's instructions on how to operate the appliance are met.

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DIAGRAM A

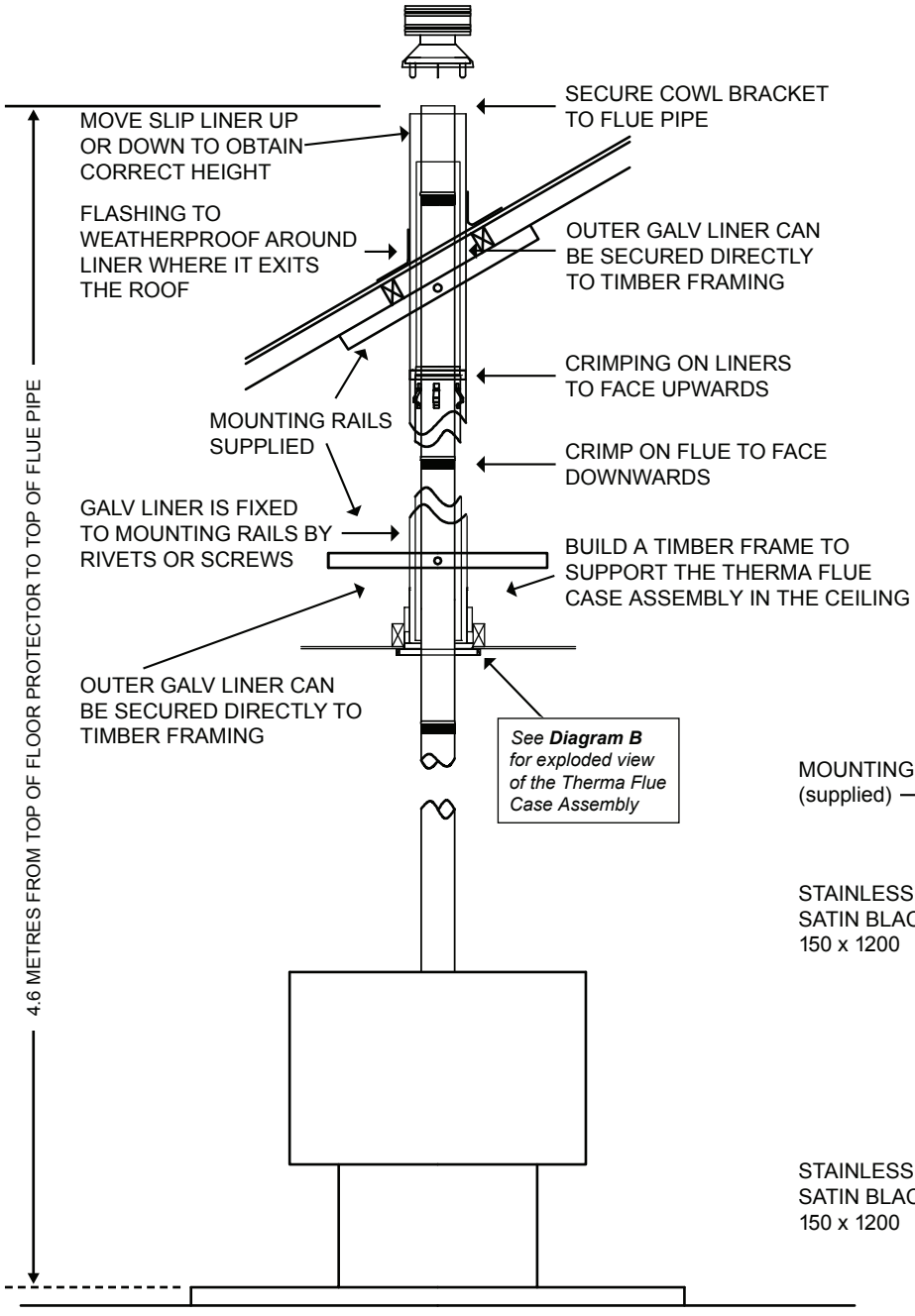
150mm Free Standing Flue Kit Satin Black, 4.2 Metres MKII

(Kit Code: 902250)

Manufactured by Escea Limited.

This flue kit must be installed by a suitably qualified tradesperson or solid fuel heater installer and complies with AS/NZS 2918:2001. This kit may require additional components to complete the installation

ROOF AND CEILING INSTALLATION



ASSEMBLY LIST

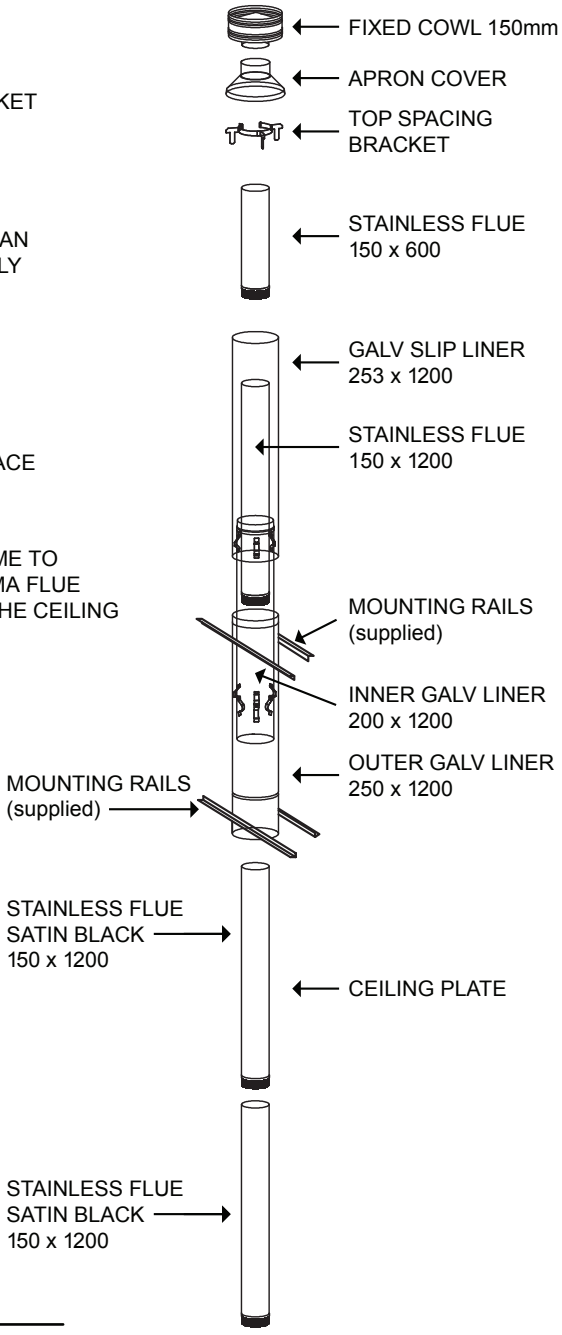


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DIAGRAM B

POSITIONING LINERS AND CEILING PLATE

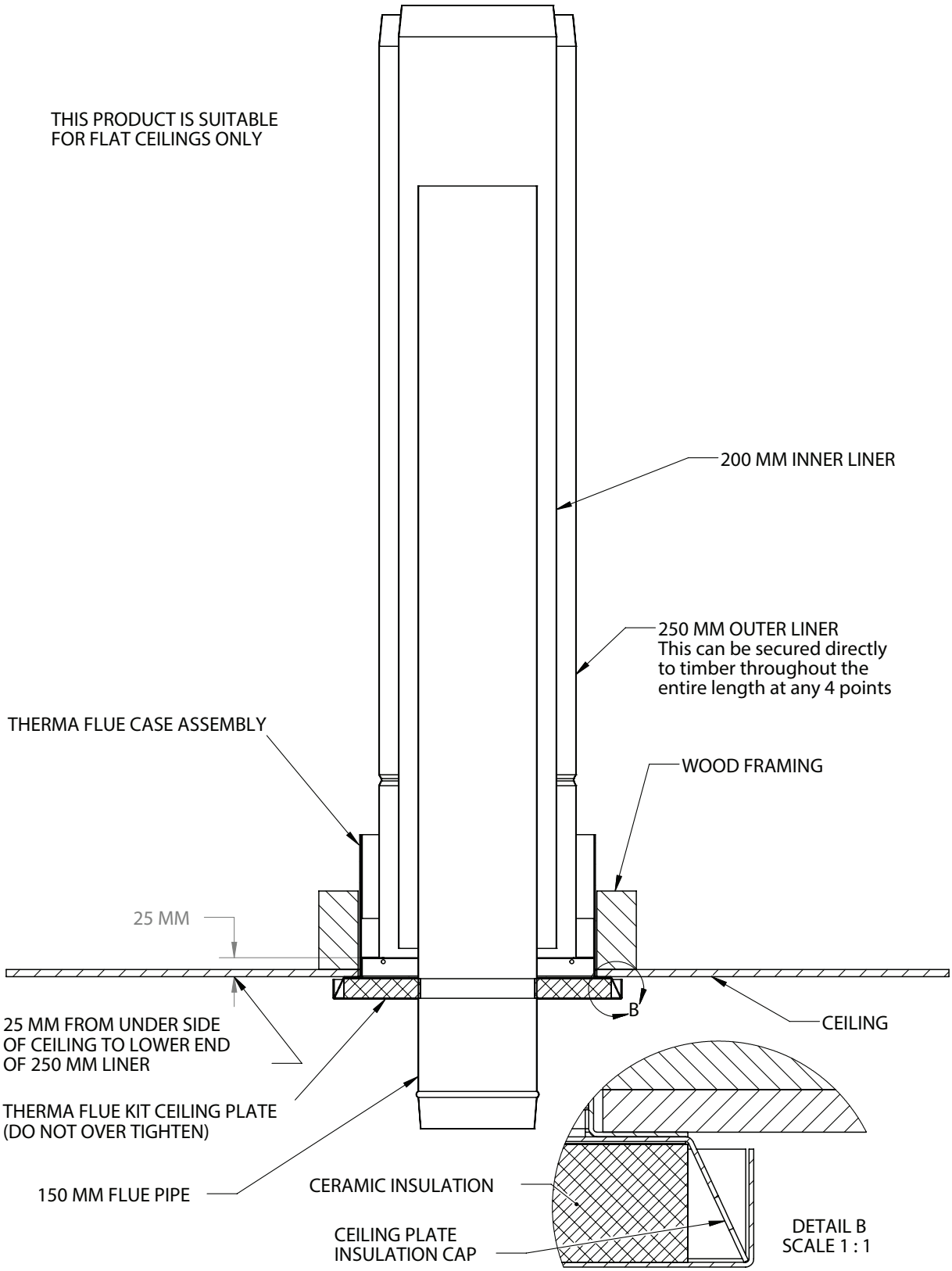

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DIAGRAM C – AS/NZS 2918:2001

MINIMUM HEIGHTS FOR FLUE SYSTEM

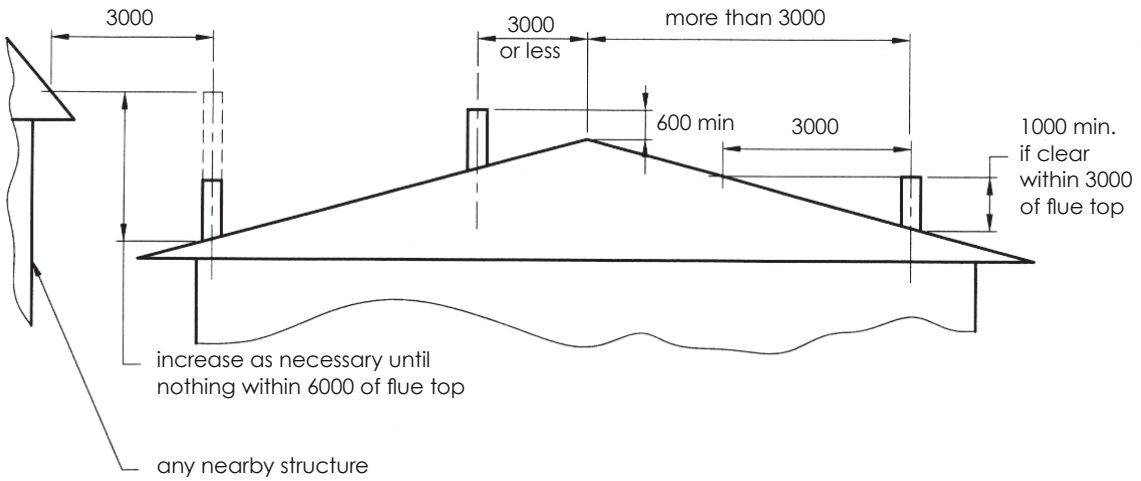
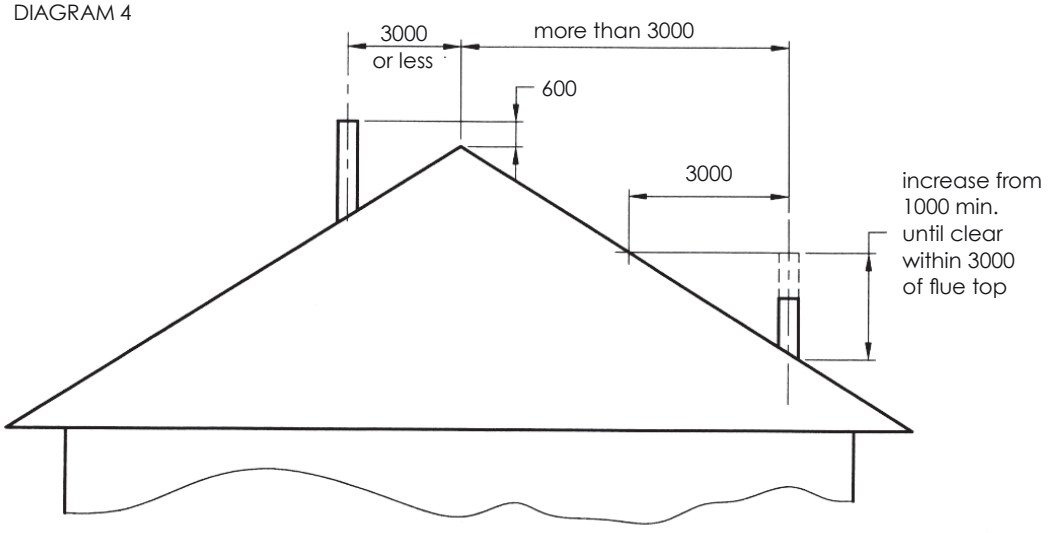


DIAGRAM 4



Notes:

Depending on local circumstances, taller chimneys may be required for satisfactory performance, check with your local retailer or installation technician.

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Flue Shield Assembly Instructions (MKII)

Components used are the flue shield, lower shield bracket (fig 1) and the top shield bracket (fig 2).

The lower shield bracket fits between the flue spigot of the fire and the flue pipe (fig 3).

Figure 1.

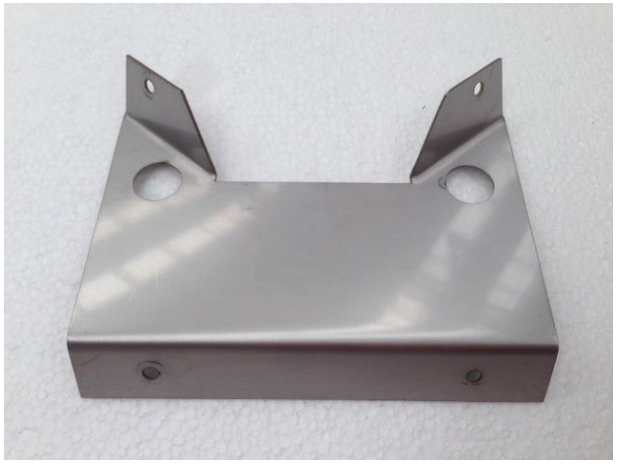

Figure 2.

Figure 3.

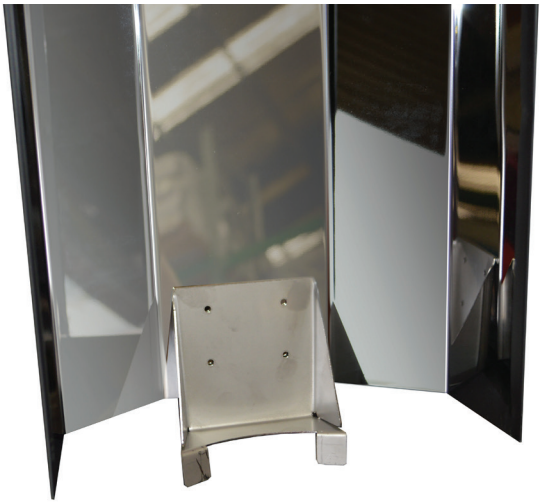

Figure 4.

Figure 5.

The height between the bottom of the flue shield and the top of the heater is referred to on page 2 of the specification sheet for each model. Please check carefully before riveting the lower bracket (fig 4) to the shield to ensure the correct height is reached. A series of holes are pre-drilled in the inner shield. Once the lower bracket is fitted between the spigot and flue pipe, the top bracket (fig 5) can be riveted to the shield and flue pipe.

For MKIII, and Bosca Flue Kits, use the flue shield instructions supplied in the Flue Kit.

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FLUE KIT BLACK 4.2M MKII

Contents Include:

- 2 x Flue Stainless Steel 150 x 1200mm (Black)
- 1 x Flue Stainless Steel 150 x 1200mm
- 1 x Flue Stainless Steel 150 x 600mm
- 1 x Flue Galvanised Liner Combination (Inner: 200 x 1200mm / Outer: 250 x 1200mm)
- 1 x Flue Outer Galvanised Liner Slip Extension 253 x 1200mm
- 1 x Anti Down-Draught Cowl 150mm
- 1 x Apron Cover 150-250mm
- 1 x Ceiling Plate 150mm (Black) 370mm Square
- 1 x Ceiling Plate Screw Pack (4)
- 1 x Top Spacing Bracket, Bolt and Nut
- 2 x 40 x 40 x 1200mm Galvanised Mounting Rails
- 1 x Double Flue Shield MKII
- 1 x Top Flue Shield Bracket (Part A & B)
- 1 x Bottom Flue Shield Bracket (Multi-fit)

THERMA FLUE KIT CONTENTS

- 1 x THERMA FLUE CASE ASSEMBLY
- 1 x CEILING PLATE INSULATION CAP
- 2 x CERAMIC INSULATION HALVES
- 1 x THERMA FLUE KIT CEILING PLATE
- Screw Pack