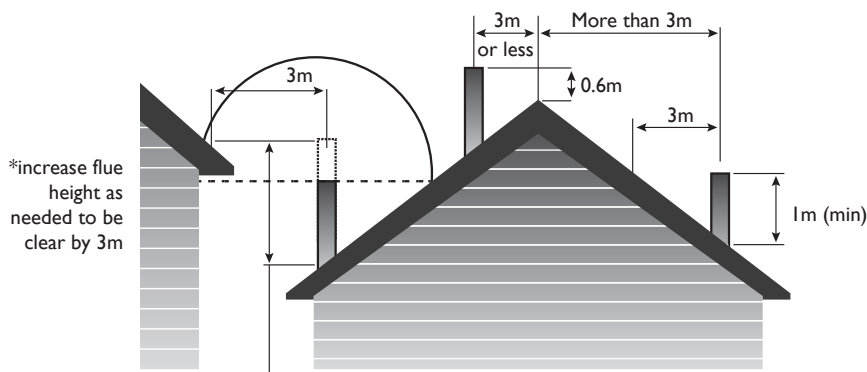


150mm Free Standing Wood fire Flue Kit Installation Instructions

WARNING: FLUE KITS MUST BE 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 COMBUSTIBLE WALLS MUST BE IN ACCORDANCE WITH WOOD FIRE MANUFACTURER'S SPECIFICATIONS AND AS/NZS 2918:2001.

The Wagener Fairburn uses a 150mm diameter flue. It is imperative that the connection between the flue and the flue flange is sealed using a suitable flue sealant/fire cement. If an offset bend is required it should be as steep as possible to enable ease of cleaning. Extra flue height may be required to compensate for any lack of draw through a bend. The performance of the Wagener Fairburn depends more on the flue than on any other single component as it is the draw on the flue that drives the Fairburn. **We recommend 4.8 metres of flue for optimum performance.**

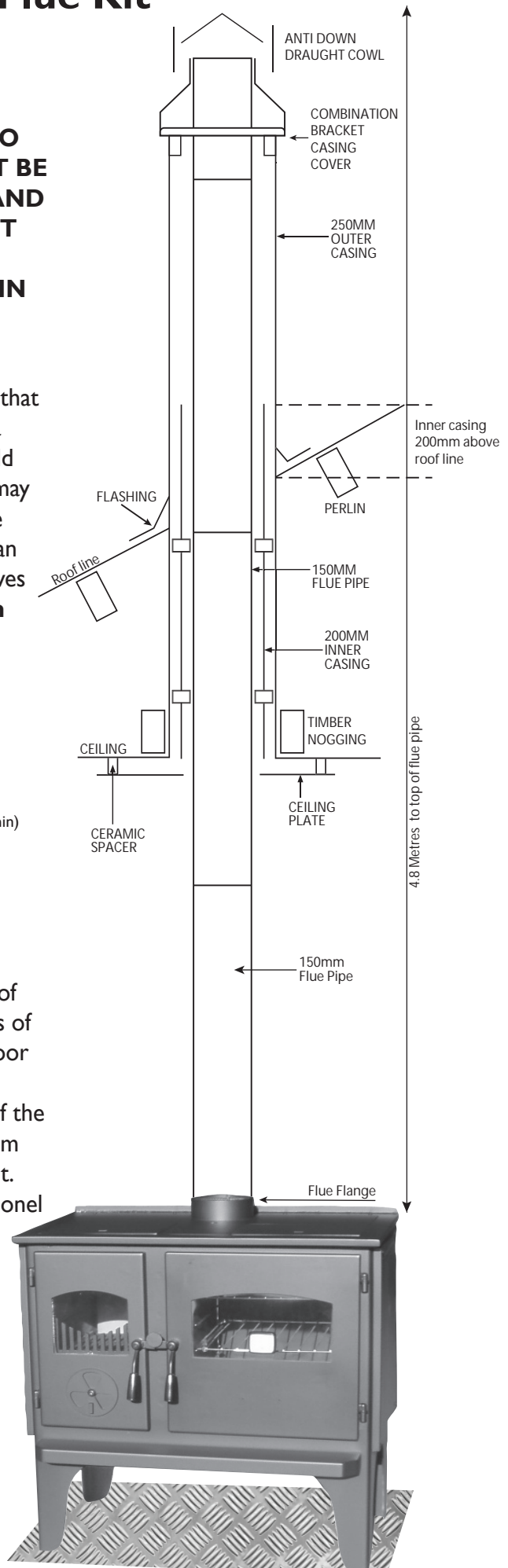


The top of the flue system should be at least 1000mm above the roof or at least 600mm higher than any obstacle or ridge within 3 metres of the flue. The flue pipe shall extend not less than 4.6M ABOVE the floor protector. However a total minimum vertical height of 4.8 metres is recommended for optimum performance. Joints between sections of the flue pipes are push fitted so that the upper section enters the bottom section and must be SEALED using a suitable flue sealant/fire cement. Each section should be secured to prevent separation using three monel steel rivets.

PLEASE FOLLOW STEP BY STEP INSTRUCTIONS ON PAGE 5

Clean flue pipes before lighting the fire. Stainless Steel pipe should be wiped clean using a soft cloth and methylated spirits to remove finger marks and oils used to manufacture the flue pipe. Hi-Therm flue pipe can be touched up if required using only STOVE BRIGHT aerosol paint.

Please leave all installation and operating instructions with the owner.



150mm Free Standing Wood Fire Flue Kit

Installation Instructions continued

1. Locate Wood Fire in its proposed position and mark a point on the ceiling that is directly above the centre of the Wood Fire's Flue Flange. Check that the Wood Fire's location allows the OUTER CASING to clear all structural roof timbers.
2. Cut a 250mm square hole in ceiling. Directly above cut a hole in the roof to accommodate the OUTER CASING.
3. Fit timber nogs around ceiling. Nogs form a 250mm square aperture that allows air to circulate freely over the OUTER CASING surface.
4. Position the OUTER CASING so that it is flush with the underneath of the ceiling and protrudes through the roof at the required height. Note that AS/NZS 2918:2001 4.9.1(a) states "the FLUE PIPE shall extend not less than 4.6m above the top of the floor protector. Refer diagram page 4
 - 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 away from any nearby structure. Refer diagram page 4

Additional FLUE PIPE, OUTER CASING and INNER CASING may have to be added to ensure the following:

- a. The correct minimum roof penetration height.
- b. Sufficient overall height to encase the FLUE PIPE which must extend a minimum of 4.6 metres from the floor protector. (4.8 metres for optimum performance)

Note: the INNER CASING should extend 200mm above roof penetration. Do not secure the OUTER CASING SLIP EXTENSION onto the OUTER CASING, as final adjustment will be required when fitting cowl assembly.

5. Fix an appropriate flashing around the OUTER CASING to seal onto the roofing material. Refer to the manufacturer's recommendations for correct fitting. NB: On iron roofs, fixings such as metal angle brackets (approximately 25mm x 25mm) can be fitted under the flashing to securely fix the roof to the OUTER CASING
6. Drill holes in CEILING PLATE for the fixing screws. Place CEILING PLATE over Wood Fire FLUE FLANGE ensuring the folded edges are facing the ceiling.
7. Position bottom length of FLUE PIPE (crimped end downwards) into the FLUE FLANGE.
8. Use fire cement to seal the joint where the bottom section of FLUE PIPE enters the FLUE FLANGE.
9. Assemble FLUE PIPES together ensuring seams are straight, offsetting the seams will ensure a neat fit. FLUE PIPES must be assembled with crimped ends down (towards Wood Fire). Secure each joint with a minimum of 3 rivets equally spaced around the joint. If using HI-THERM FLUE PIPE the protective wrapping should be left on the FLUE PIPE during installation.
10. From the roof, lower FLUE PIPE through OUTER CASING into the bottom FLUE PIPE securing with 3 rivets.
11. Check that the FLUE PIPE SPACING BRACKETS inside the INNER CASING are correctly positioned and then from the roof slide the INNER CASING into the OUTER CASING, this will ensure the INNER CASING is the correct 12mm above ceiling level. Check the INNER CASING when correctly positioned extends a minimum of 200mm above the roof penetration.
12. Before securing the OUTER CASING SLIP EXTENSION to the OUTER CASING with 3 rivets, ensure the FLUE PIPE is either flush with or extends above the top of the OUTER CASING SLIP EXTENSION by no more than 15mm. Adjust SLIP EXTENSION to obtain this measurement.
13. Push CASING COVER (with collar inside FLUE PIPE) down onto the OUTER CASING SLIP EXTENSION. The 3 locating brackets with holes must be on the outside of the OUTER CASING SLIP EXTENSION and are secured using 3 rivets.
14. Fit COWL but do not secure, as removal for flue cleaning will be necessary. Deform or ovalise the stub of the COWL to ensure it is a tight friction fit.
15. Fasten CEILING PLATE to ceiling using ceramic spacers and screws provided. Ensure an even air gap around FLUE PIPE when fixing. Remove protective plastic from CEILING PLATE. NB: 12mm air gap between ceiling plate and ceiling must be maintained.