INSTALLATION INSTRUCTIONS

Fireplace Insert Flue Kit Assembly

Model No: KWF298-6025

GENERAL INFORMATION:

1. This flue system must be installed by an approved installer, ideally registered with the New Zealand Home Heating Association. Do not allow any makeshift or compromising installation methods as this could result in a house fire. This Kent flue system must be installed according to these instructions.
2. A Building Consent from the Local Authority must be obtained before installing a wood fire, and we suggest that the Insurance Company covering building insurance be advised of the installation.
3. This Kent flue, when installed according to these instructions, complies with the provisions of AS/NZS 2918-2001 "Installation of Domestic Solid Fuel Burning Appliances".
4. The clearances given in these instructions are necessary to prevent overheating of nearby combustibles and drying out of the house structure. They may not be reduced without authorisation.

PLEASE READ THESE INSTRUCTIONS IN CONJUNCTION WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS OF SELECTED APPLIANCE:

1. This flue kit is supplied for use with fireplace insert wood fires which are designed to fit into an existing masonry fireplace and chimney, and have a 150mm diameter vertical flue outlet.
2. Before installing the flue, your solid fuel wood fire must be installed according to the Manufacturer's Instructions. The flue should be installed vertically and without bends, if possible.
3. Restrictions or leaks in the flue may reduce the draught, and, in severe conditions, could cause smoke to enter the room.
4. The flue pipe shall extend not less than 4.6m above the top of the floor protector.
5. The flue cowl must be at least 0.6m above the highest point of the roof if within 3m of it, or 1m above the roof penetration if more than 3m from the ridge.
6. No part of the building, or any adjacent building, may be in or above a circular area of a horizontal radius of 3m from the flue exit.
7. These heights are given as a general minimum, and in actual practice the presence of surrounding structures, trees, fences, etc. may necessitate additional height for satisfactory performance. Refer to Fig 1.
8. The cowl must be fitted to prevent entry of birds, snow and rain.

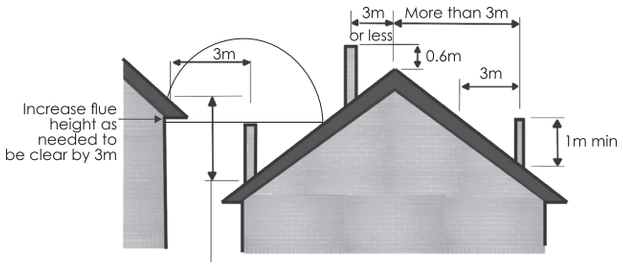


FIG. 1

9. At all flue joints, the swagged end of the upper piece must be fitted to the plain end of the lower piece.

RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE

Important: the installer or seller must leave these instructions with the purchaser

10. The Kent flue kit provides for a maximum height of 3.6m above the fire. Because of differing situations in different homes this may or may not be sufficient for your installation. Should extra lengths of flue pipe or flue casing be required, they can be purchased through your Kent dealer. Please note that if extra lengths of 150mm flue pipe are required to be installed they must be stainless steel. Enamelled flue pipe may not be used.
Note: Under no circumstances should the 150mm flue pipe be left exposed above the chimney. Only the outer casing may be permanently fixed to the existing chimney structure.

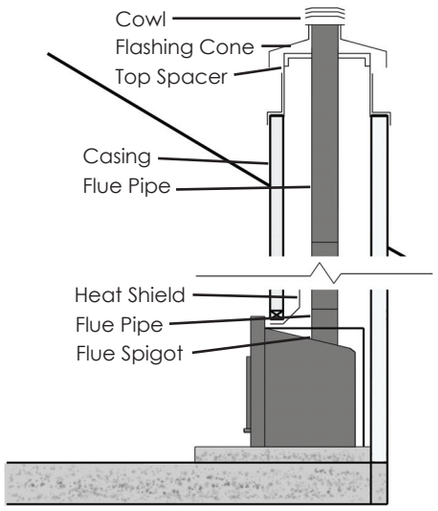


FIG. 2

11. In addition to suitable tools you will need sealing compound or mortar for the top of the chimney and pop rivets and/or self-tapping screws for fastening flue and liner joints and attaching the cowl. These are not included in the kit.

12. The Kent **KWF298-6025** standard flue kit contains the minimum flue components that will be required in every installation, but will not necessarily contain enough length of flue pipe and casings to meet the minimum flue height requirements of each particular installation. This may vary widely depending on the design of the house and the location of the wood fire. Your installer should ensure that any extra flue pipe lengths or other fittings required are allowed for in his quotation.

INSTALLATION:

1. Prepare the fireplace to accept the selected insert wood fire and flue. Ensuring installation requirements for width, depth and height measurements are acceptable for the wood fire to fit into the fireplace enclosure.

2. Determine whether the flue pipe will fit vertically in the chimney from the heater to the cowl. An adjustable bend may be required to offset the flue from the heater in order to clear part of the chimney structure. If an offset is required, it should be fitted to the flue outlet on the wood fire, so that the flue pipe itself is vertical. The flue pipe should not touch the masonry.

3. Determine the total length of flue pipe and outer casing required by measurement.

4. Prepare chimney for accepting flue, and fixing of outer casing to chimney crest.

5. Install the selected Kent wood fire into the prepared fireplace. Once in position and level fix the fire to the base of the fireplace enclosure with suitable anchors through the supplied fixing points in the base of the wood fire's outer box.

6. Assemble the flue pipe lengths with the swagged ends of the upper sections inside the plain ends of the lower pieces. This may be done on the ground and then the whole length lowered into the chimney, or assembled length by length from the top of the chimney.
Note: Drill and fix each length with three stainless rivets or self-tapping screws. It is important that each flue pipe joint is sealed with commercially available flue sealing compound, including the joint between the flue spigot and the first length of flue pipe.

7. Locate the flue or adjustable bend into the flue outlet of the wood fire.

8. Ensure the top of the casing terminates at a point complying with the general guidelines noted previously and that the flue pipe extends above the chimney casing by 180mm. Secure the top spacer bracket to the flue pipe and ensure the slots fit snugly inside the chimney liner.

9. Secure outer liner to top of chimney and cement into position with mortar or other suitable sealing compound ensuring that there are no gaps and a water tight seal is achieved.

10. Slide the flashing cone over the top of the flue pipe, until it rests firmly over the top spacer. Secure with stainless rivets or screws.

11. Fit the cowl to the top of the chimney liner. Do not secure this, as it must be removable for servicing the flue.

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