



FIRENZO
WOODFIRES

Please read this booklet and keep for future reference for the safe installation and operation of your:

ENCORE

URBAN WET MODEL

FREESTANDING WOODBURNER

All installations must be in accordance with these instructions. Consult with the building authority having jurisdiction to determine the need for a permit prior to commencing the installation.

Failure to follow these instructions may also void your fire insurance and warranty.

This URBAN fire can be installed on properties of less than 2 hectares of land where the requirements are for fires which meet with NES standards of 1.5gm and 65% efficiency.



Please complete and return your warranty registration card which is enclosed.

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Please leave these instructions with owner when installation is complete.

Edited 6/09/12

1. WARNINGS

THIS APPLIANCE SHOULD BE MAINTAINED AND OPERATED AT ALL TIMES IN ACCORDANCE WITH THESE INSTRUCTIONS.

The **Encore Urban Wet** is tested to N.Z. Standards AS/NZS 2918:2001.

If this heater is incorrectly installed a house fire may result. For your safety follow the installation instructions carefully.

Do NOT connect the heater to a chimney serving another appliance.

Although the exterior of the heater may appear cool, contact with the unit may cause burns, warn children and others of the possibility of injury should they touch the heater.

Do NOT dry clothing or unseasoned wood directly in contact with the heater.

Keep all household combustible materials at least 600mm away from front of the heater. This includes clothing, furniture, wood, newspaper, plastic, matches, etc.

DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHEN IT IS OPERATING.

Use caution when reloading with fuel. Do NOT attempt to load fuel into the heater when the fire inside the stove is at or near its peak.

Do NOT burn large quantities of paper or combustible material that would create an extremely hot/quick fire.

Do NOT burn highly coloured paper or brochures (junk mail).

USE ONLY DRY WOOD. AVOID BURNING WET OR GREEN WOOD.

THE USE OF SOME TYPES OF PRESERVATIVE TREATED WOOD AS A FUEL CAN BE HAZARDOUS.

TIMBER TREATED WITH COPPER CHROMIUM AND ARSENIC TYPE PRESERVATIVES WILL LEAVE TOXIC RESIDUES IN THE ASH, FIREBOX OR WITHIN THE FLUE; TIMBER OFFCUTS FROM BUILDING CONSTRUCTION WILL OFTEN CONTAIN BORIC SALTS. THE COMBUSTION OF THIS MATERIAL OVER PROLONGED PERIODS CAN PRODUCE ADVERSE EFFECTS ON REFRACTORY LINING IN SOLID FUEL APPLIANCES. EMISSION OF POISONOUS GASES CAN ALSO BE EXPERIENCED WITH THE BURNING OF TREATED WOOD.

Driftwood with salt content will also cause rapid deterioration of the heater and should not be used.

2. INSTALLATION RESPONSIBILITIES

WARNING: THE APPLIANCE AND FLUE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS/NZ 2918 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.

ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED TO BE IN BREACH OF THE APPROVAL GRANTED FOR COMPLIANCE WITH AS/NZS 4013.

CAUTION: MIXING OF APPLIANCE OR 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.

Strict adherence to these instructions will meet these standards. Any variation from these installation instructions or any doubt about them must be checked against the requirements of the Standards.

Please leave this manual with the owner when installation is complete.

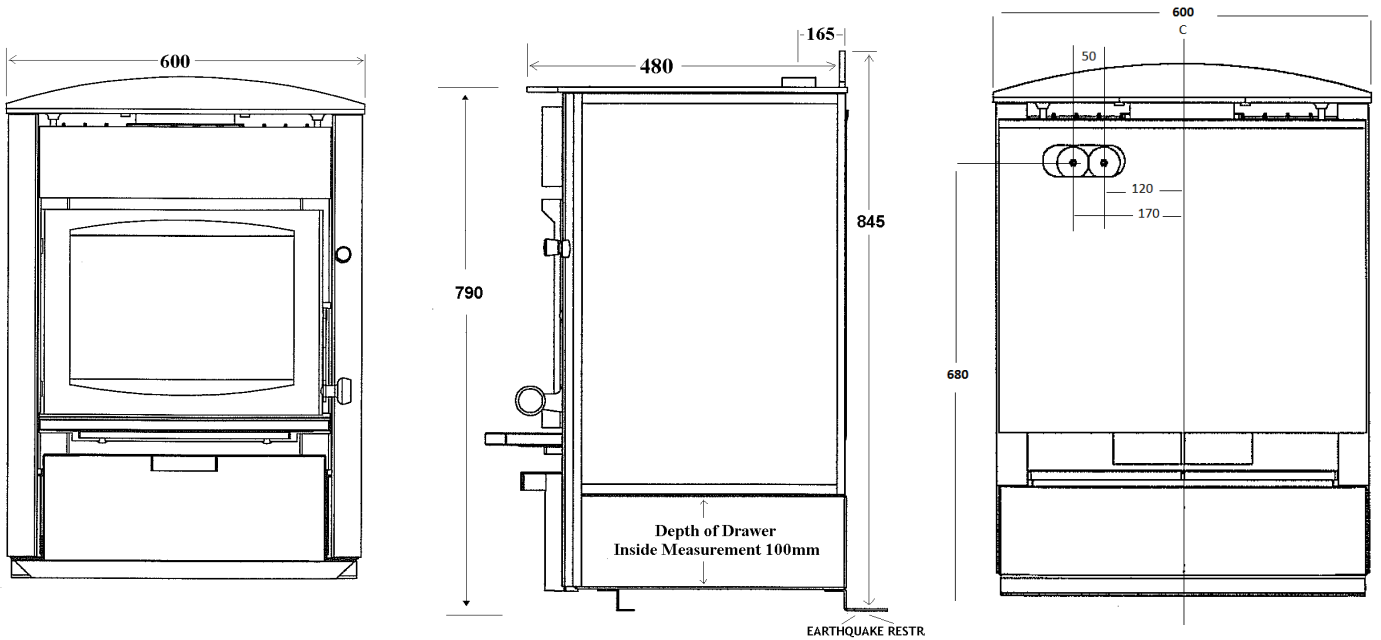
3. FLOOR PROTECTOR REQUIREMENTS

The heater should always be installed on top of its base due to high temperatures sustained over long periods. The base must be anchored to both the floor protector and the floor for seismic restraint. Anchor points are provided in the base.

If the heater is installed on or within 500mm of a heat sensitive floor, **then an ash floor protector to NZS2918 Section 2.2 will be required.** This floor protector shall extend under the appliance and not less than 300mm beyond the front of the fuel loading or ash removal openings. The width of the floor protector shall be not less than the width of the appliance, and shall extend not less than 200mm from each side of the fuel loading or ash removal openings unless it forms an abutment with a wall or heat shield at a lesser distance.

Where the floor protector consists of a number of components, it shall include a continuous layer of heat-resistant material extending under the appliance to the perimeter of the floor protector. All joints shall be fixed to prevent accidental separation, and shall be sealed to prevent any spilt ash or embers contacting any heat sensitive material.

4. INSTALLATION CLEARANCES



Firebox Size: Height 332mm
Width 412mm
Depth 330mm

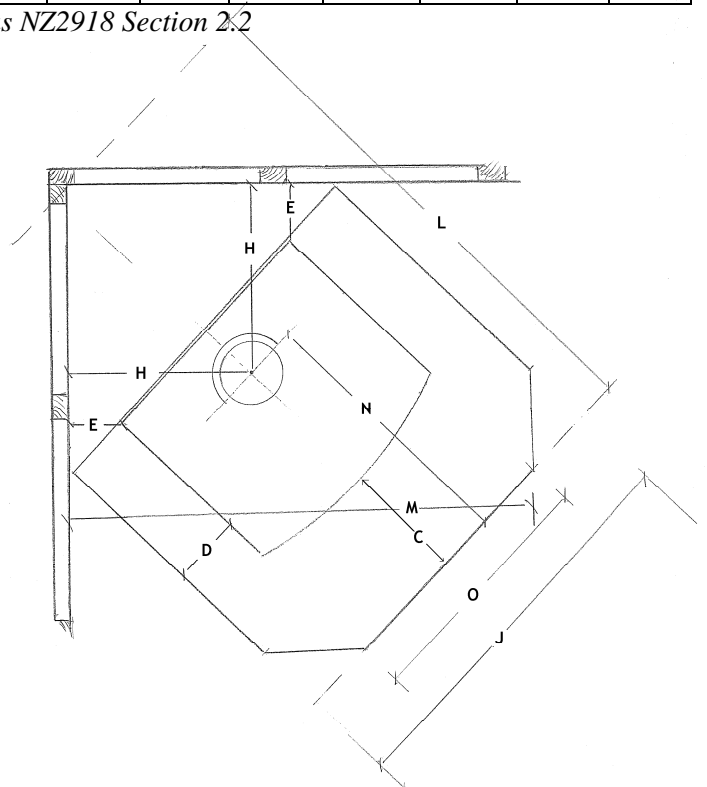
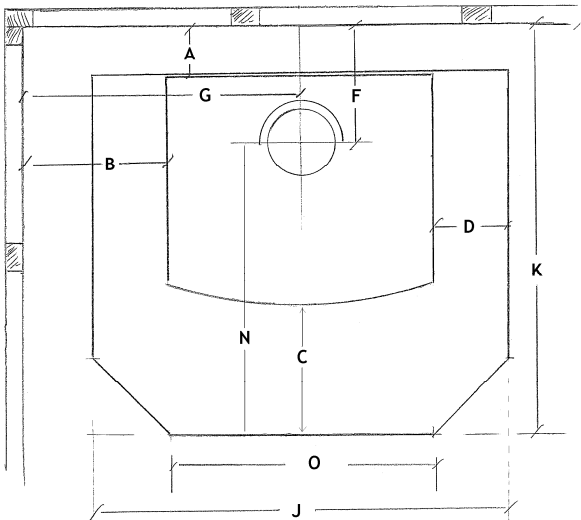
Flue Size: 150mm
Heating Area estimate 160sqm

All Clearances shown are from the **BASE of the Encore and not the top plate.**

Dimension 'C' specifically is shown from the base drawer front which gives a 300mm clearance from the door opening as required under NZ2918.

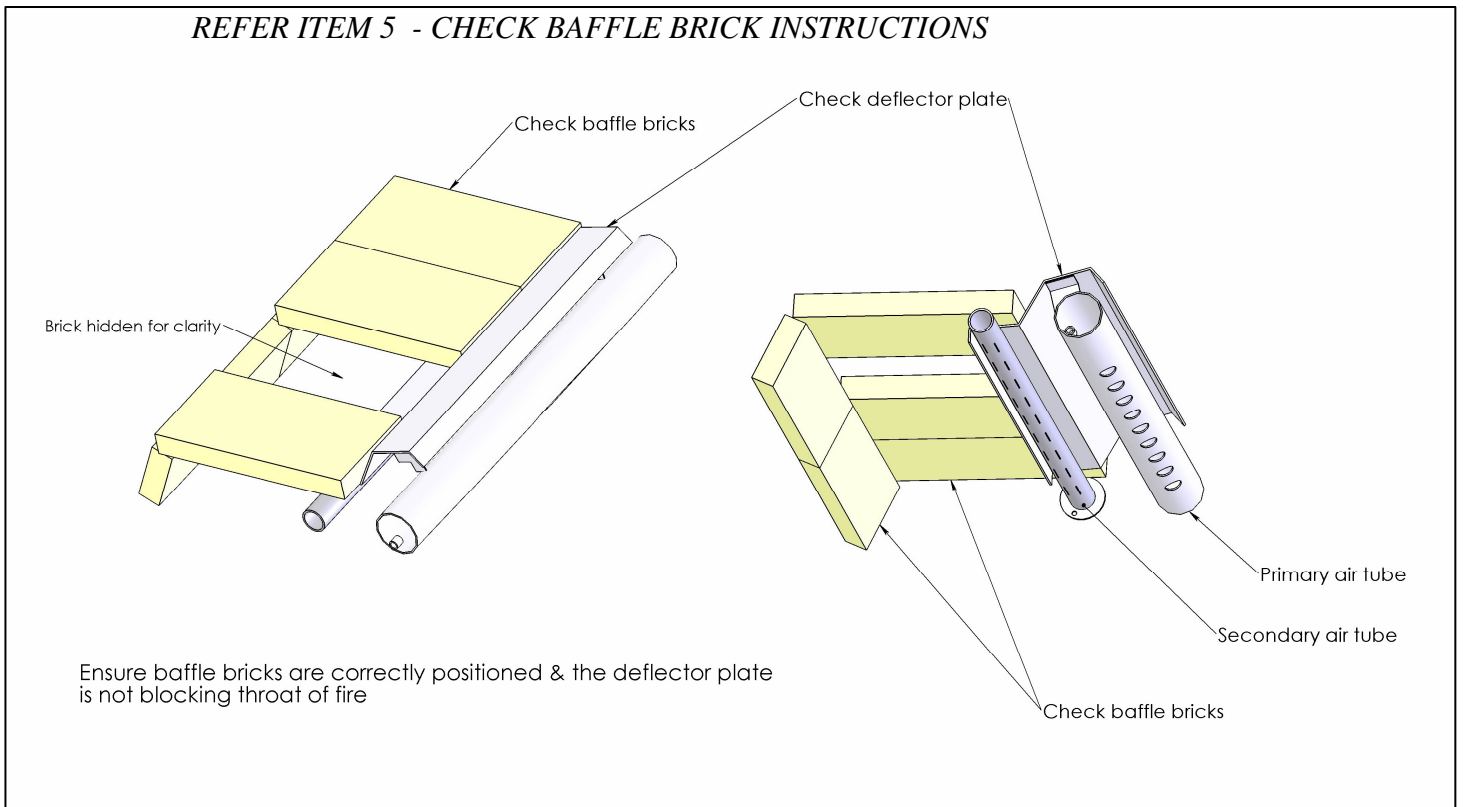
CLEARANCES	A	B	C	D	E	F	G	H	J	K	L	M	N	O
WITH FLUE SHIELD	110	245	250	100	100	275	545	428	800	840	1170	970	565	500

Clearances are shown with an ash floor protector as NZ2918 Section 2.2

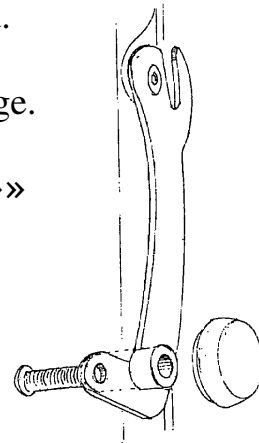


5. ASSEMBLY INSTRUCTIONS

1. Remove all outer packaging and timber.
2. Remove slotted steel top plates from rear of heater and set aside, taking care not to scratch or damage the paint finishes.
3. Remove granite ashlip and door knob set from inside the firebox and set aside, taking care not to scratch or damage it.
4. Position unit onto floor protector ensuring it complies with the clearances as shown in section 4 on page 5.
6. Plumb in the wetback in accordance with accepted plumbing practises – refer to section 7 page 8. Ensure the wetback is not pushed down or comes into contact with the baffle bricks or flue gas deflectors. This will cause premature wear to the wetback and will not be covered by the manufacturer's warranty.
5. Lift top casting and ensure baffle bricks and metal deflector are correctly located as diagram below with DEFLECTOR PLATE CENTRED and then replace top casting ensuring good seal down onto fire rope bed.



6. Assemble and install the flue as per instructions (page 9 & 10).
7. Secure both the fire and floor protector to the floor by using appropriate fastenings through the holes provided in the rear of the base plate. This is a New Zealand Standard 2918 requirement due to NZ being earthquake prone.
8. A flue shield must be fitted; the minimum requirement is for a single skin, semi-circular, stainless steel flue shield with a reflective inner surface 1200mm high. This should be installed so that the bottom edge of the flue shield is 20mm from the top surface of the heater and spaced off the flue pipe by approximately 35mm.
9. Lift granite ashlip onto the two securing screws fitted to the front of the fire under the door and tighten the two screws to secure it. (Do not attempt to lift the fire by the ashlip).
10. Carefully position the main slotted steel painted top panel onto the heater, there are locating feet on the underside that fit into the indents on the cast iron tops that ensure it is correctly positioned. Slide in the rear infill top panel behind the flue outlet and then the curved plate locates on the outer rear edge.
11. Fit door knob set to door lever arm as drawing »»»



7. WETBACK

The **Encore Urban Wet** is fitted with a wetback to supplement the hot water system.

WARNINGS:

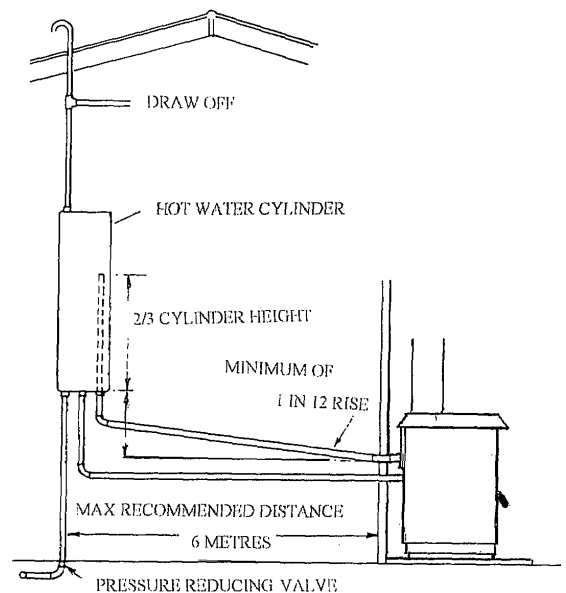
DO NOT CONNECT TO AN UNVENTED HOT WATER SYSTEM.

DO NOT USE THIS FIRE WITHOUT WATER RUNNING THROUGH THE WETBACK.

INSTALL IN ACCORDANCE WITH AS 3500.4.1 OR NZS 4603 AND THE APPROPRIATE REQUIREMENTS OF THE RELEVANT BUILDING CODE OR CODES.

For best performance apply the following rules:

1. Keep it simple with the shortest and straightest possible pipe run.
2. The heater should be within 6 metres of the hot water cylinder, the closer the better.
3. The flow pipe from the heater to the cylinder must rise – the cylinder should be at least 300 mm above the water-back outlet.
4. Use only 25mm supply and return pipes.
5. Where possible the pipes should be insulated.

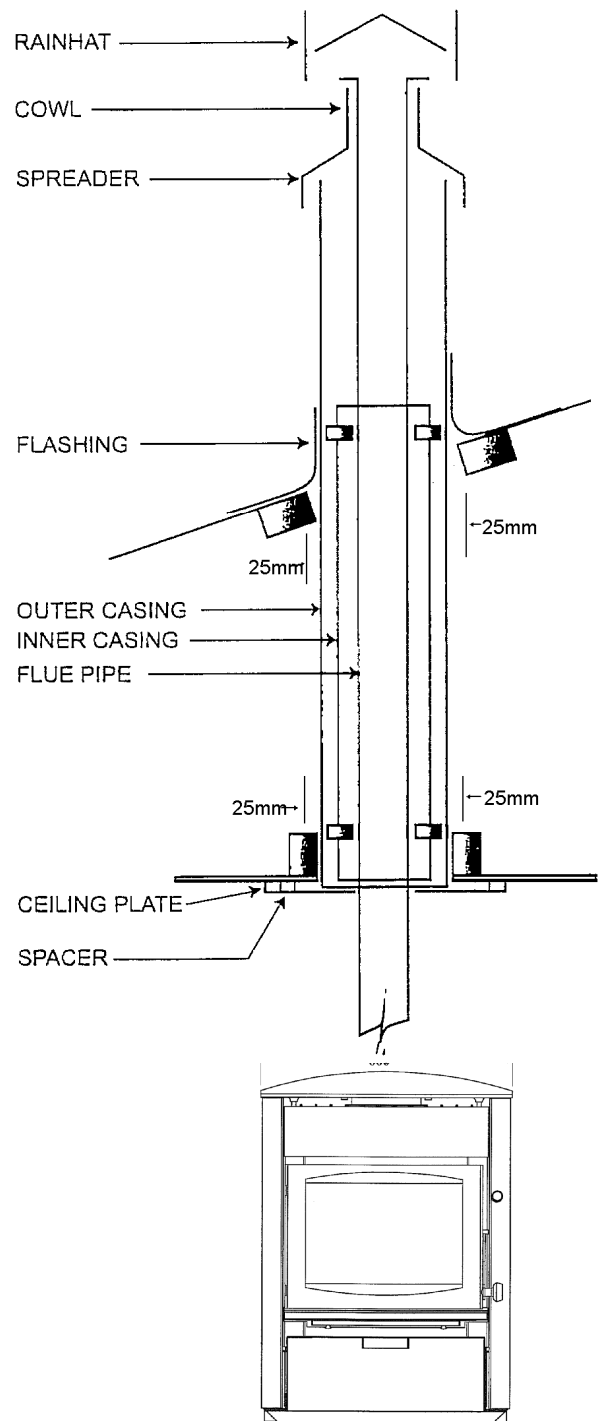


WARNING:

Care must be taken to protect the wetback coil and associated pipe work if being installed in a hard/corrosive water area. Damage caused to the Wetback coil if fitted in a hard/corrosive water area will not be covered under the manufacturer's warranty.

7. FREESTANDING FLUE SYSTEM INSTALLATION INSTRUCTIONS

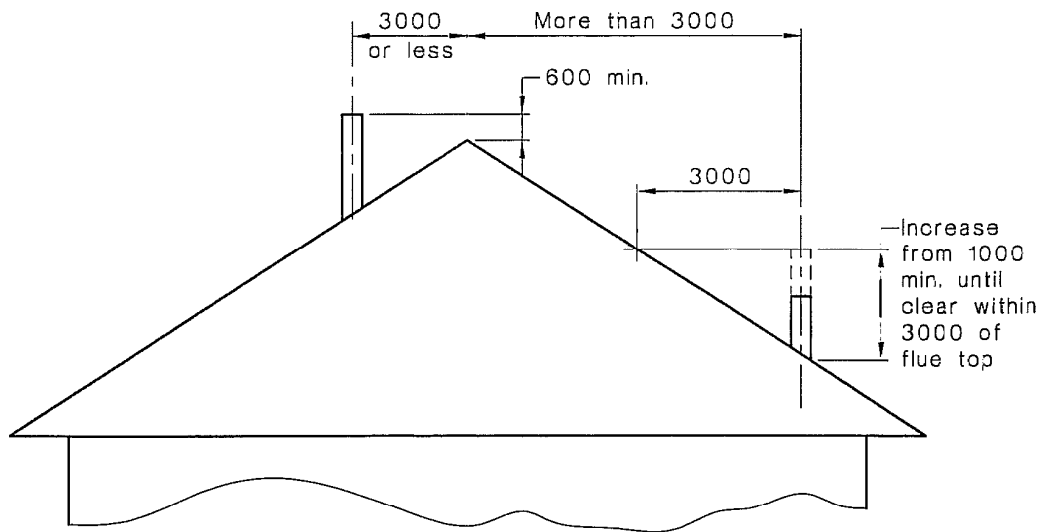
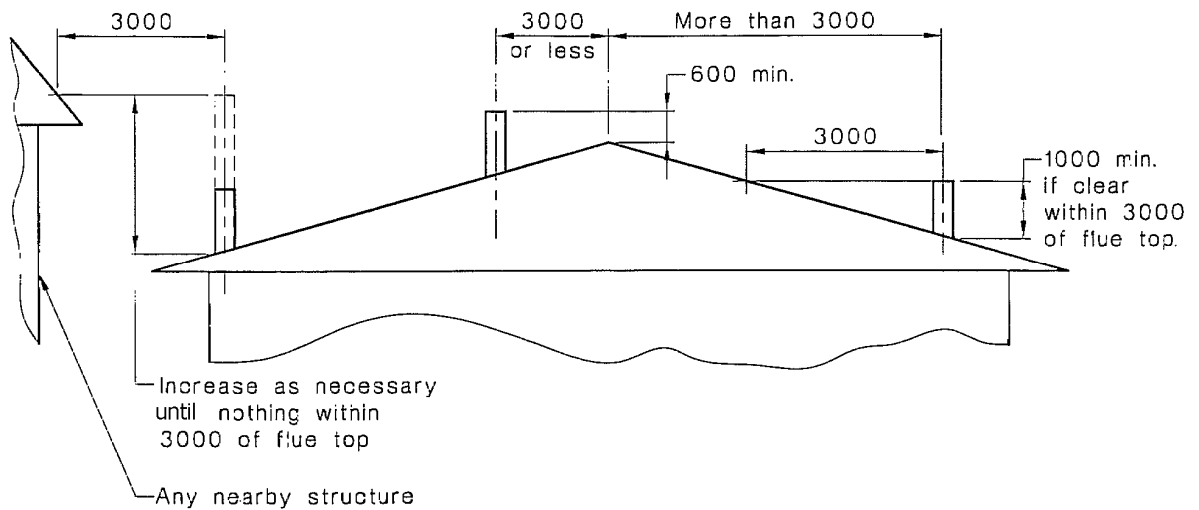
1. Position heater on floor protector ensuring all heater clearances are correct as per clearances on page 5.
2. Once the location is confirmed, the appliance and floor protector shall be fixed to the floor itself (refer to page 6 & 7).
3. Extend a plumb line from the centre of the fire flue pipe spigot to the ceiling. Mark position on ceiling and roof.
4. Trim hole and nog as required ensuring that a 25mm safe clearance between combustible materials and flue components is maintained. Fix with non combustible spacers and screws or clouts on all four sides.
5. Cut and frame (when required) an opening in the roof, position the outer casing through the roof until it is flush with the under side of the ceiling, making sure as with the ceiling there is a 25mm safe clearance between non-combustible materials and the flue components. Fix as in step 4.
6. Fix appropriate flashing around outer casing to the roof to ensure a weatherproof seal.
7. Assemble flue pipe sections ensuring all seams are in line, the assembly is straight and crimped. Ends are pointing downwards. Fix each joint with three stainless rivets or self-tapping screws.
8. Place ceiling plate with folded edges upwards over heater spigot.
9. Position the flue pipe into the heater spigot. The flue pipe can either lowered from the top as a single unit or fed up from the room a length at a time, ensuring that all joints are fixed properly.
10. Slide the inner casing into place, between the outer casing and the flue pipe.
11. The flue pipe must extend 200mm above the outer casing.
Note: Extra lengths of flue pipe, inner and outer casing may be required to achieve the minimum clearance from the roof.
12. Slide top spreader over flue pipe down into outer and inner casing and tighten.
13. Slide cowl over flue pipe until it rests on spreader. Secure with rivets or self-tapping screws.
14. Fit rainhat. Do not fasten as it must be removable for flue pipe cleaning.
15. Fix ceiling plate to ceiling maintaining an even gap all around flue pipe.
Note: Ensure ceiling plate is spaced off from the ceiling with ceramic spacers supplied.



CAUTION: Mixing of appliance or flue system components from different sources or modifying the dimensional specifications of components may result in hazardous conditions. Where such action is considered the manufacturer should be consulted in the first instance.

WARNING: The appliance and flue system shall be installed in accordance with AS/NZS 2918:2001 and the appropriate requirements of the relevant building code or codes.

MINIMUM HEIGHT OF FLUE SYSTEM OUTLET



DIMENSIONS IN MILLIMETRES

NOTES:

1. The flue pipe shall extend not less than 4.6m above the top of the floor protector.
2. The flue cowl must be at least 600mm above the highest point of the roof if within 3 metres of it, or 1 metre above the roof penetration if more than 3 metres from the ridge.
3. No part of the building, or any adjacent building may be in or above a circular area of a horizontal radius of 3 metres from the flue exit.

FIRENZO

WOODFIRES
BY
Hewitsons Limited

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