



PYROCLASSIC FIRES

INSTALLATION INSTRUCTIONS **for PYROCLASSIC FIRES LTD**

100mm STANDARD ECO FLUE KIT

THIS FLUE KIT HAS BEEN MANUFACTURED IN ACCORDANCE WITH AS/NZS 2918:2001.
TESTED TO APPENDIX 'F'

WARNING: TO ENSURE SAFETY THIS FLUE KIT MUST BE INSTALLED AS OUTLINED IN THESE INSTRUCTIONS. WOOD FIRE AND FLUE PIPE CLEARANCES FROM COMBUSTIBLE WALLS MUST BE IN ACCORDANCE WITH WOOD FIRE MANUFACTURERS SPECIFICATIONS AND AS/NZS 2918:2001.

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.

To install this flue design the installer should be familiar with the installation of flue kits for standard ceilings and have competent carpentry and roofing skills. They should also be aware of the 4.6 metre height requirements of AS/NZS 2918:2001 and minimum height requirements as per figure 4.9 (Diagram C).

This Standard Ceiling Flue kit is designed for installations into flat ceilings with attic space above.

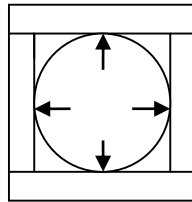
All instructions refer to Diagrams A, B and C

The flue pipes are tapered to fit the upper section inside the lower one.
Our Full Flow Cowl (ie. no cap), prevents dripping of condensed acids down the chimney.
The flue discharges some 18 litres of water as vapour for each 30kg of dry wood burned.

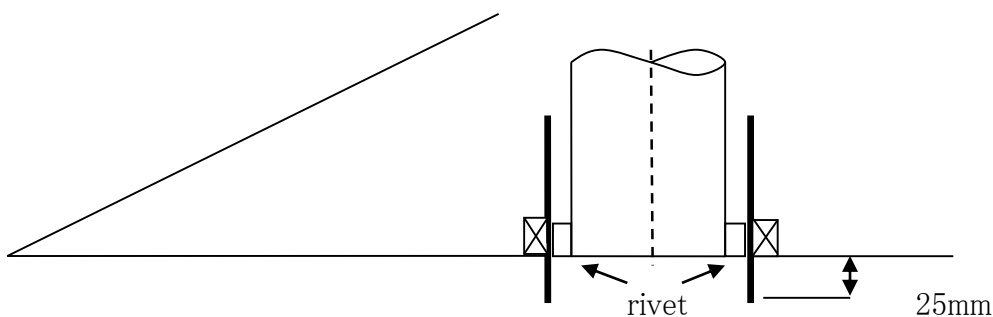
Rain does no harm. **Do not put a cap on the Pyroclassic Flue System.**

Installation

1. Locate Pyroclassic wood burner in desired position with prescribed clearances from walls. (see Heater installation clearances).
2. Locate centre of flue position on ceiling with plumb-bob or with laser. Mark position and drill pilot hole.
3. Locate pilot hole in ceiling space. Ensure required cut-out will be clear of all structural timbers. If so, proceed with plumb-bob from roof to pilot hole in ceiling and drill a pilot hole through roofing.
4. Trim out ceiling with 250mm square hole. Return to ceiling cavity and box out with 100 x 50 timber leaving a 250mm square opening for Thermosiphon Assembly to fit through ceiling. Secure the Thermo Liner by screw fixings at the four contact points. Ensure the $\varnothing 250$ Thermo Liner locates 25mm below ceiling.



5. Cut out a $\varnothing 250$ mm hole in roofing.
6. Push the $\varnothing 200$ x 1200mm Liner up through the $\varnothing 250$ Thermo ring and align the bottom of the Liner flush with the brackets. Clamp the liner to the brackets then fix with four rivets.



7. Fix $\varnothing 200$ Liner at roof using the four angle brackets provided, ensuring liner is aligned vertically. (Liner to be spaced minimum 25mm away from combustible materials.)
Note: the $\varnothing 200$ x600 liner may need to be fitted at this stage or an extension added to extend fully through the roof.
8. Flash off Liner to roofing ensuring it meets the E2 flashing requirements. After securing Liner Flashing, apply silicone type sealant to edges to provide a water tight seal and fix to roof.

9. Return to wood burner and feed Stainless Steel Flue (swage roll end facing down toward heater) up through Thermosiphon assembly. Fasten each length with minimum of 3 s/s rivets at each joint, equally spaced. Place ceiling tile on heater with edges facing ceiling.

10. Fit Outlet Cone and fasten to flue pipe with 3 ss rivets equally spaced.

11. Ensure that the Flue and Liner extends a minimum of 600mm higher than the roof apex, for correct draught (refer diagram 'C'). Slide Slip Liner Assembly over Ø200mm liner and push downwards to expose upper section of flue. **Do Not fix slip liner yet.**

12. Push fit the Full Flow Pyroclassic Cowl Assembly into the upper end of top flue section then fix in place. Slide slip liner upwards until it contacts the Free Flow Cowl skirt. **Now** fix the slip liner to the Ø200mm Liner with Three rivets equally spaced.

13. **OPTIONAL:** Attach stay bars from the slip liner to the roof, spaced at 90 deg apart or as practicable. (See note 'e' below.)

14. Return to wood burner, raise ceiling tile and locate in desired position (eg: square and equal distances from walls). Peel back protective film at four corners. Attach to ceiling with suitable screws in four corner positions.

15. Seal Outlet Cone to Spigot of Pyroclassic wood burner (supplied with fire), and fix with screw.

16. Wipe down Stainless Steel Flue completely with soft rag and methylated spirit to clean off any residue and finger marks in particular.

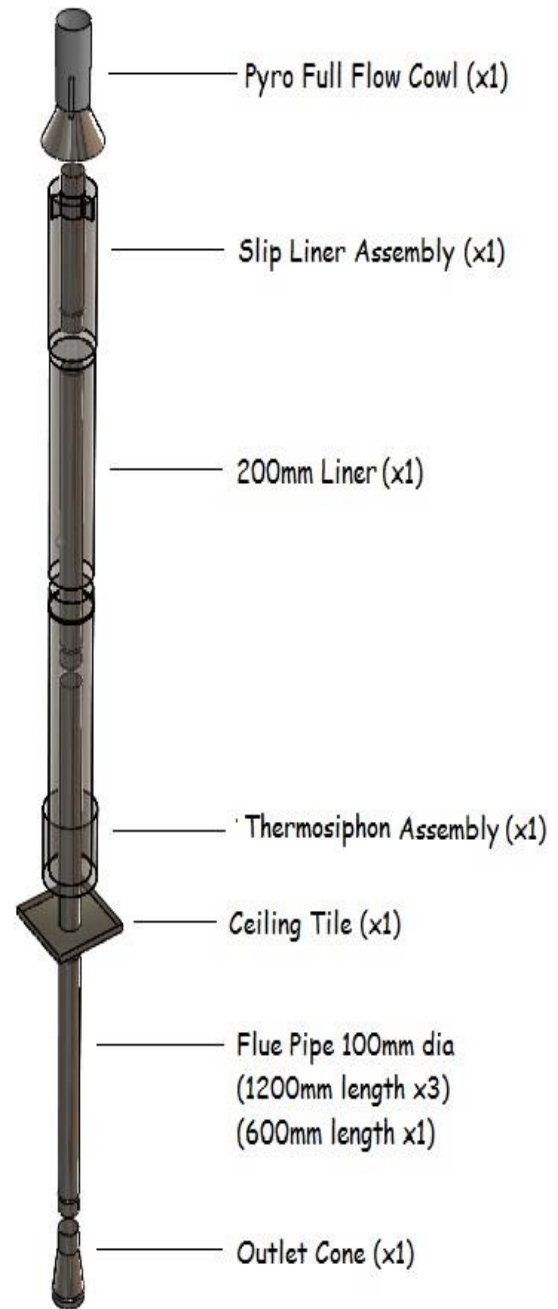
Main points to observe:

- a) All Liners swage roll (small end) must always face upwards.
- b) All Flue pipes swage roll (small end) must always face downwards.
- c) All Flue or Liner joins should have a minimum of three stainless steel or monel metal rivets at each joint.
- d) The Ø200 Liner must maintain a minimum 25mm air gap from combustible materials.
- e) It is important to extend the termination of the flue a minimum of 600mm above the ridgeline of the roof.
- f) A Flue and Liner may have to be stayed if the extension is above 1.5 metres or in a high wind zone. Stay bars are available if required.



Pyroclassic Standard Ceiling System

diagram A



**Pyroclassic Standard Flue Kit
Diagram B**

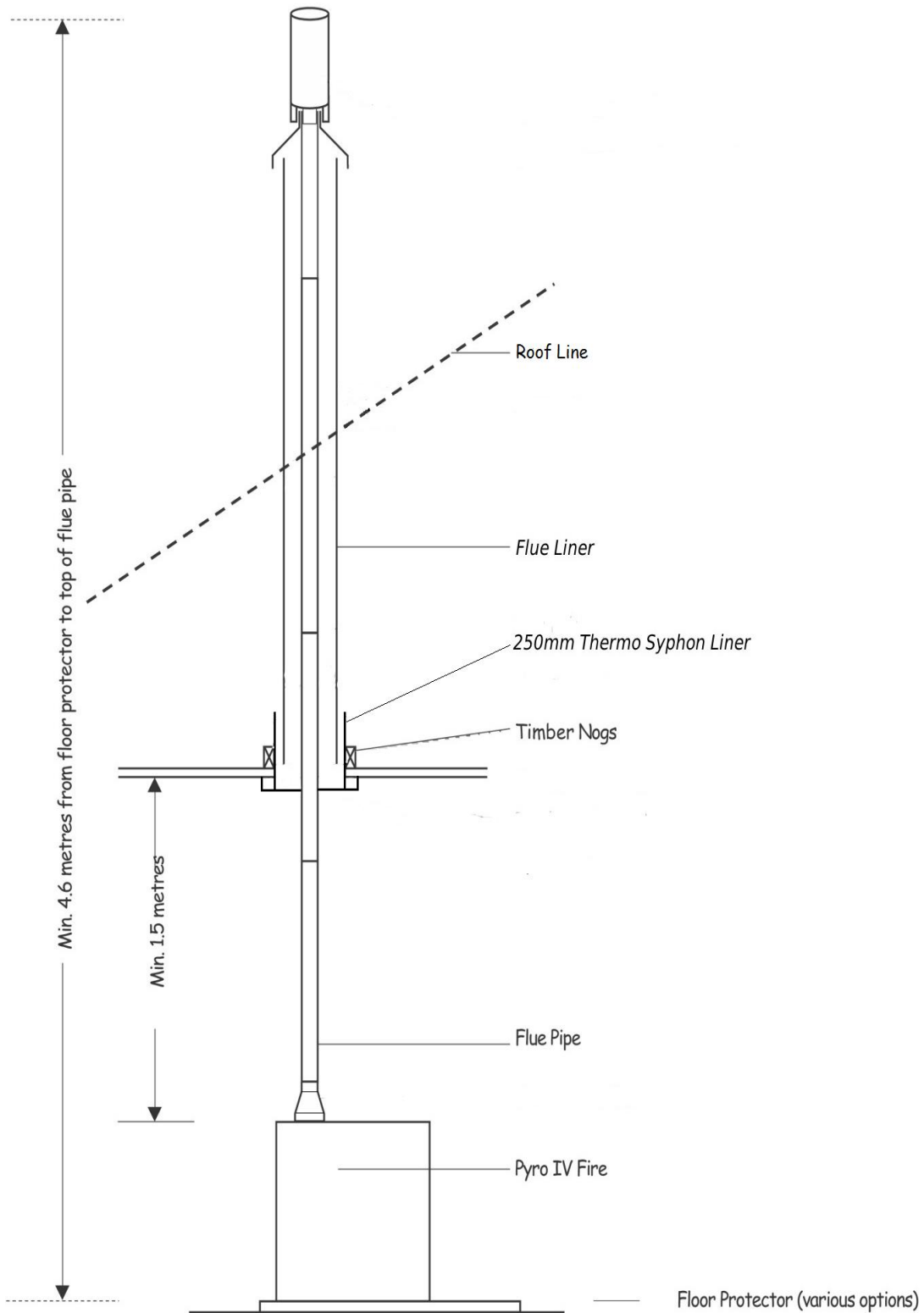
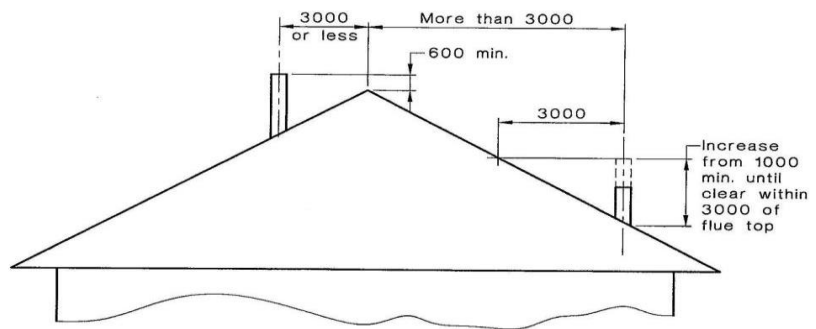
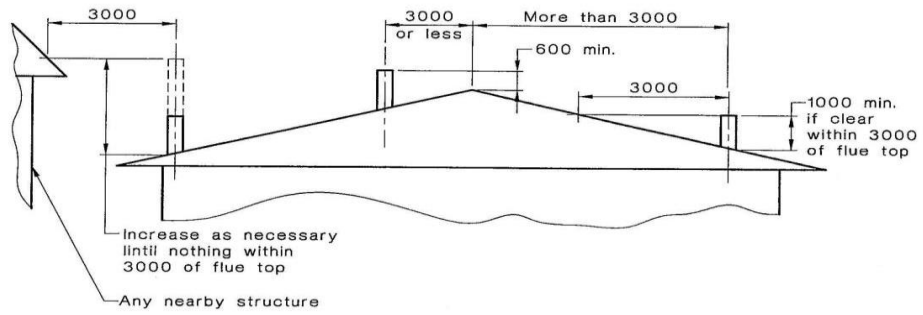


Diagram C AS/NZS 2918:2001



DIMENSIONS IN MILLIMETRES