WOOD STOVE
INSTALL MANUAL

MODELS:
FF-WP-100-NZ
FF-WP-200-AU
FF-WP-300-AU

Find helpful videos and information on our Getting Started page

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woodpro
BY FORGE & FLAME

Table of Contents

Safety Alert Key:

- **DANGER!** Indicates a hazardous situation which, if not avoided will result in death or serious injury.
- **WARNING!** Indicates a hazardous situation which, if not avoided could result in death or serious injury.
- **CAUTION!** Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
- **NOTICE:** Indicates practices which may cause damage to the appliance or to property.

➔ = Contains updated information

A. Appliance Certification

Model Number:	FF-WP-100-NZ
Laboratory:	HRL Technology
Report Number:	H664/0512
Type:	Softwood only at 25% dry basis
Standard:	AS/NZS 2918:2001

The FF-WP-100-NZ Appliance is Softwood Certified. Particulate Emissions equaling 0.6 g/kg with a space heating efficiency of 72%.

Model Number:	FF-WP-200-AU
Laboratory:	HRL Technology
Report Number:	HCMG/12/043A
Type:	Hardwood only at 25% dry basis
Standard:	AS/NZS 2918:2001

The FF-WP-200-AU Appliance is Hardwood Certified. Particulate Emissions equaling 1.4 g/kg with a space heating efficiency of 71%.

Model:	FF-WP-300-AU
Laboratory:	JetMaster
Report Number:	ASFT19058
Type:	Hardwood & Softwood
Standard:	AS/NZS 2918, AS/NZS 4012/4013

The FF-WP-300-AU Wood Appliance is Hardwood Certified. Hardwood Particulate Emissions equaling 1.0 g/kg with a Space Heating Efficiency of 64%. Softwood Particulate Emissions equaling 0.4 g/kg with a Space Heating Efficiency of 71%.

B. BTU & Efficiency Specifications

Model:	FF-WP-100-NZ
Overall Average Efficiency Burning Hardwood (AS/NZS 4012)	72%
Average Particulate Emission Factor Burning Hardwood (AS/NZS 4013)	0.6 g/kg
Maximum Average Heat Output Burning Hardwood	9.0kW
Wetback	Wetbacks are NOT an approved option and must NOT be fitted.
Vent Size:	152 mm
Firebox Size:	1.48 cubic feet
Recommended Wood Length:	18 inches
Fuel Orientation:	Front-to-Back
Approved Fuel	Softwood only with a Moisture content less than 25% (dry basis)

Model:	FF-WP-200-AU
Overall Average Efficiency Burning Hardwood (AS/NZS 4012)	71%
Average Particulate Emission Factor Burning Hardwood (AS/NZS 4013)	1.4 g/kg
Maximum Average Heat Output Burning Hardwood	7.1kW
Wetback	Wetbacks are NOT an approved option and must be fitted.
Vent Size:	152 mm
Firebox Size:	2 cubic feet
Recommended Wood Length:	16 inches
Fuel Orientation:	Front-to-Back
Approved Fuel	Hardwood only with a Moisture content less than 25% (dry basis)

Model:	FF-WP-300-AU
Overall Average Efficiency Burning Hardwood (AS/NZS 4012)	64%
Average Particulate Emission Factor Burning Hardwood (AS/NZS 4013)	1.0 g/kg
Maximum Average Heat Output Burning Hardwood	12.0kW
Wetback	Wetbacks are NOT an approved option and must NOT be fitted.
Vent Size:	152 mm
Firebox Size:	2.3 cubic feet
Recommended Wood Length:	18 inches
Fuel Orientation:	Front-to-Back
Approved Fuel	Softwood and Hardwood only with a Moisture content less than 25% (dry basis)

This wood appliance needs periodic inspection and repair for proper operation. Consult the owner's manual for further information. It is against federal regulations to operate this wood heater in a manner inconsistent with the operating instructions in the owner's manual.

C. Glass Specifications

This appliance is equipped with 5mm ceramic glass. Replace glass only with 5mm ceramic glass.

D. Non-Combustible Materials

Material which will not ignite and burn, composed of any combination of the following:

- Steel
- Plaster
- Brick
- Iron
- Concrete
- Tile
- Glass
- Slate

E. Combustible Materials

Material made of/or surfaced with any of the following materials:

- Wood
- Compressed Paper
- Plant Fibers
- Plastic
- Plywood/OSB
- Sheet Rock (drywall)

Any material that can ignite and burn: flame proofed or not, plastered or non-plastered.

F. Sleeping Room

When installed in a sleeping room it is recommended that a smoke and/or CO alarm be installed in the bedroom. The size of the room must be at least 50ft³ per 1,000 Btu/hr stove input, if the stove exceeds the room size, outside air must be installed.

WARNING

Fire Risk

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged appliance.
- Modification of the appliance.
- Installation other than as instructed by Hearth & Home Technologies.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.
- Operating appliance without fully assembling all components.
- Operating appliance without legs attached (if supplied with appliance).
- Do NOT OVERFIRE - If appliance or chimney connector glows, you are overfiring.

Any such action that may cause a fire hazard.

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage.

For assistance or additional information, consult a qualified installer or service agency.

NOTE: Hearth & Home Technologies, manufacturer of this appliance, reserves the right to alter its products, their specifications and/or price without notice.

Hearth & Home Technologies WILL NOT warranty appliances that exhibit evidence of over-firing. Evidence of over-firing includes, but is not limited to:

- Warped air tube
- Deteriorated refractory brick retainers
- Deteriorated baffle and other interior components

A. Design and Installation Considerations

Consideration must be given to:

- Safety
- Convenience
- Traffic flow
- Chimney and chimney connector required

It is a good idea to plan your installation on paper, using exact measurements for clearances and floor protection, before actually beginning the installation. If you are not using an existing chimney, place the appliance where there will be a clear passage for a factory-built listed chimney through the ceiling and roof.

We recommend that a qualified building inspector and your insurance company representative review your plans before and after installation.

If this appliance is in an area where children may be near it is recommended that you purchase a decorative barrier to go in front of the appliance. Remember to always keep children away while it is operating and do not let anyone operate this appliance unless they are familiar with these operating instructions.

CAUTION

Check building codes prior to installation.

- Installation MUST comply with local, regional, state and national codes and regulations.
- Consult insurance carrier, local building, fire officials or authorities having jurisdiction about restrictions, installation inspection, and permits.

WARNING

Asphyxiation Risk.

- Do NOT connect this appliance to a chimney flue servicing another appliance.
- Do NOT connect to any air distribution duct or system.

May allow flue gases to enter the house.

NOTICE: Hearth & Home Technologies assumes no responsibility for the improper performance of the appliance system caused by:

- Inadequate draft due to environmental conditions
- Down drafts
- Tight sealing construction of the structure
- Mechanical exhausting devices
- Over drafting caused by excessive chimney heights
- Ideal performance is with height of chimney between 14-16 feet (4.26-4.88m) measured from the base of the appliance.

B. Fire Safety

To provide reasonable fire safety, the following should be given serious consideration:

1. Install at least one smoke detector on each floor of your home to ensure your safety. They should be located away from the heating appliance and close to the sleeping areas. Follow the smoke detector manufacturer's placement and installation instructions, and be sure to maintain regularly.
2. A conveniently located Class A fire extinguisher to contend with small fires resulting from burning embers.
3. A CO detector should be installed in the room with the appliance.
4. A practiced evacuation plan, consisting of at least two escape routes.
5. A plan to deal with a chimney fire as follows:
   - In the event of a chimney fire:
     – Evacuate the house immediately
     – Notify fire department.

C. Negative Pressure

WARNING

Asphyxiation Risk.

- Negative pressure can cause spillage of combustion fumes, soot and carbon monoxide.
- Appliance needs to draft properly for safety.

Negative pressure results from the imbalance of air available for the appliance to operate properly. It can be strongest in lower levels of the house.

Causes include:

- Exhaust fans (kitchen, bath, etc.)
- Range hoods
- Combustion air requirements for furnaces, water appliances and other combustion appliances
- Clothes dryers
- Location of return-air vents to furnace or air conditioning
- Imbalances of the HVAC air handling system
- Upper level air leaks such as:
  - Recessed lighting
  - Attic hatch
  - Duct leaks

To minimize the effects of negative air pressure:

- Install optional outside air kit with the intake facing prevailing winds during the heating season
- Ensure adequate outdoor air for all combustion appliances and exhaust equipment
- Ensure furnace and air conditioning return vents are not located in the immediate vicinity of the appliance
- Avoid installing the appliance near doors, walkways or small isolated spaces
- Recessed lighting should be a “sealed can” design
- Attic hatches weather stripped or sealed
- Attic mounted duct work and air handler joints and seams taped or sealed
- Basement installations should be avoided

WARNING

Fire Risk.
Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged appliance.
- Modification of the appliance.
- Installation other than as instructed by Hearth & Home Technologies.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.
- Operating appliance without fully assembling all components.
- Operating appliance without legs attached (if supplied with appliance).
- Do NOT Over fire - If appliance or chimney connector glows, you are over firing.

Any such action that may cause a fire hazard.

D. Tools And Supplies Needed

Before beginning the installation be sure the following tools and building supplies are available:

- Reciprocating saw
- Framing material
- Pliers
- High temp caulking material
- Hammer
- Gloves
- Phillips screwdriver
- Framing square
- Flat blade screwdriver
- Electric drill and bits
- Plumb line
- Safety glasses
- Level
- Tape measure
- Miscellaneous screws and nails
- 7/16 socket or wrench 1/2-3/4 in. length, #6 or #8 self-drilling screws

E. Inspection of Appliance and Components

- Remove appliance and components from packaging and inspect for damage.
- **Read all the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.**

F. Removal of Appliance from Shipping Materials

1. Remove box and 2x4 structural boards being careful not to damage product.
2. Using 7/16 socket or wrench remove (2) lag bolts and shipping bracket located at each leg of the appliance. **(Figure 6.1)**. **Note:** Retain shipping brackets if being installed into a Mobile Home.
3. Carefully pull appliance off of pallet and put in desired location following Hearth Pad and Clearance to Combustibles.

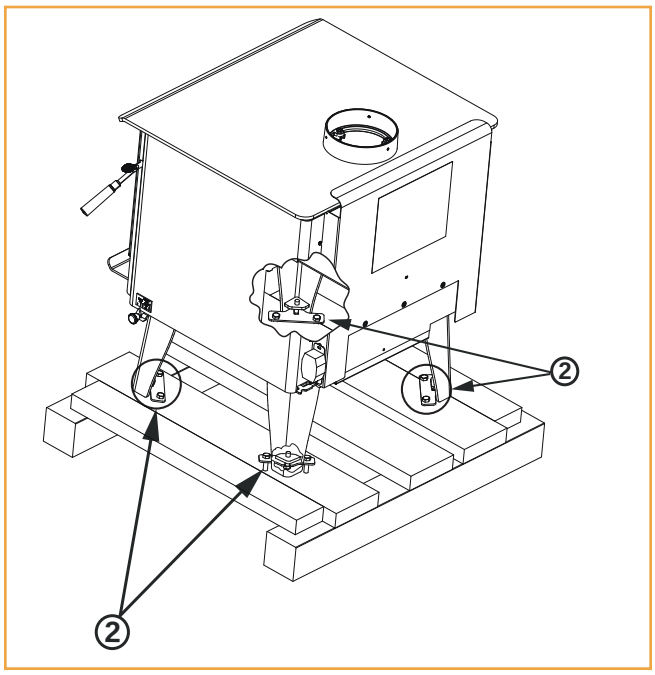

Figure 6.1

WARNING

Fire Risk.
Inspect appliance and components for damage. Damaged parts may impair safe operation.

- Do NOT install damaged components.
- Do NOT install incomplete components.
- Do NOT install substitute components.

G. Install Checklist

ATTENTION INSTALLER:

Follow this Standard Work Checklist

This standard work checklist is to be used by the installer in conjuction with, not instead of, the instructions contained in this installation manual.

Warning! Risk of Fire or Explosion! Failure to install appliance according to these Instructions can lead to a fire or explosion

	YES	IF NO, WHY?
Appliance Installation		
Verified clearances to combustibles.	☐	_____
Appliance is leveled and connector is secured to appliance.	☐	_____
Hearth extension size/height decided.	☐	_____
Floor protection requirements have been met.	☐	_____
If appliance is connected to a masonry chimney, it should be cleaned and inspected by a professional. If installed to a factory built metal chimney, the chimney must be installed according to the manufacturer's instructions and clearances.	☐	_____
Chimney		
Chimney configuration complies with diagrams.	☐	_____
Chimney installed, locked and secured in place with proper clearance.	☐	_____
Chimney meets recommended height requirements (14-16 feet).	☐	_____
Roof flashing installed and sealed.	☐	_____
Terminations installed and sealed.	☐	_____
Appliance Clearances		
Combustible materials not installed in non-combustible areas.	☐	_____
Verified all clearances meet installation manual requirements.	☐	_____
Mantels and wall projections comply with installation manual requirements.	☐	_____
Protective hearth strips and hearth extension installed per manual requirements.	☐	_____
Appliance Setup		
All packaging and protective materials removed.	☐	_____
Firebrick, baffle and ceramic blanket installed correctly.	☐	_____
All labels have been removed from the door.	☐	_____
All packaging materials are removed from inside/under the appliance.	☐	_____
Manual bag and all of its contents are removed from inside/under the appliance and given to the party responsible for use and operation.	☐	_____

WoodPro recommends the following:

- Photographing the installation and copying this checklist for your file.
- That this checklist remain visible at all times on the appliance until the installation is complete.

A. Appliance Dimensions - FF-WP-100-NZ

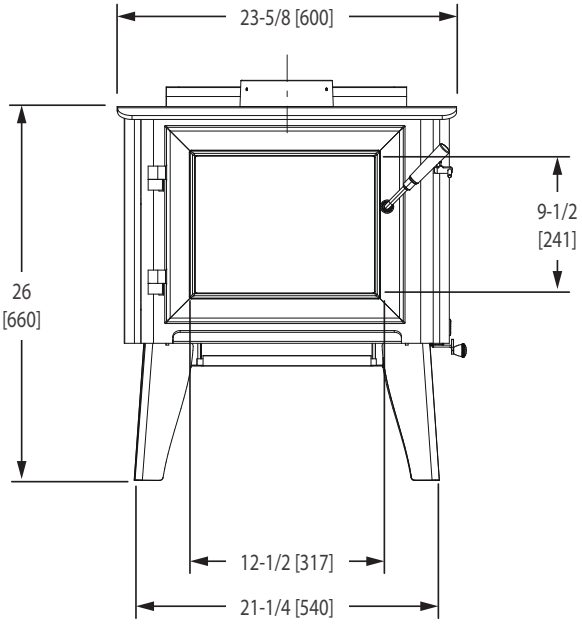

Figure 8.1 - Front View

NOTE: Flue Collar size is 6 inch (152mm) diameter (ID)

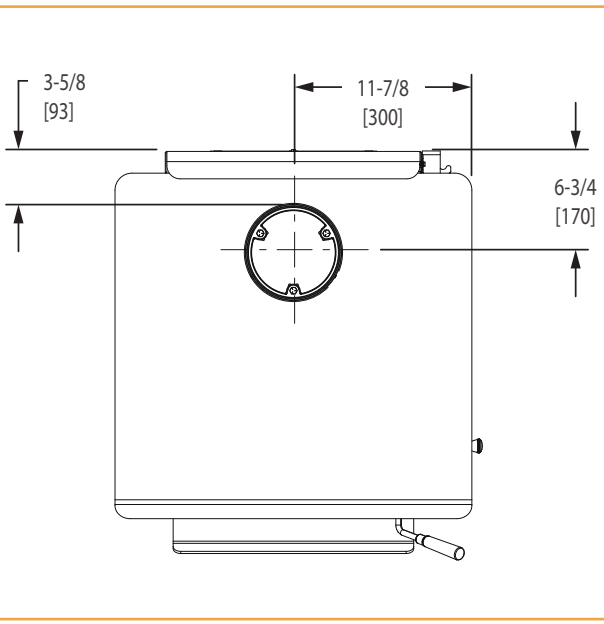

Figure 8.2 - Top View

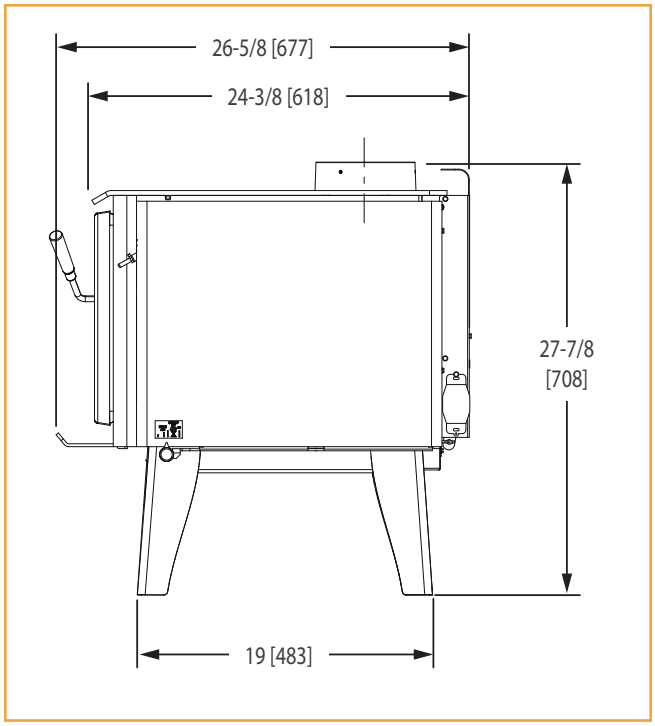

Figure 8.3 - Side View

Appliance Dimensions - FF-WP-200-AU

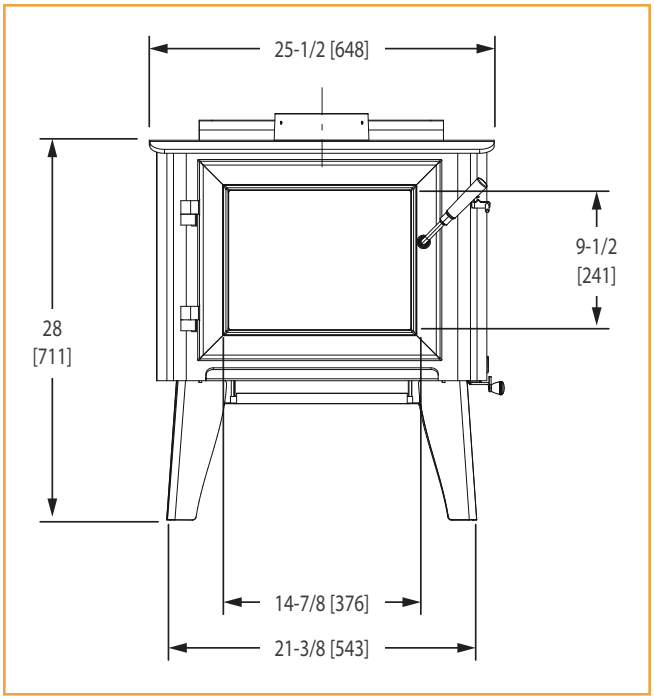

Figure 9.1 - Front View

NOTE: Flue Collar size is 6 inch (152mm) diameter (ID)

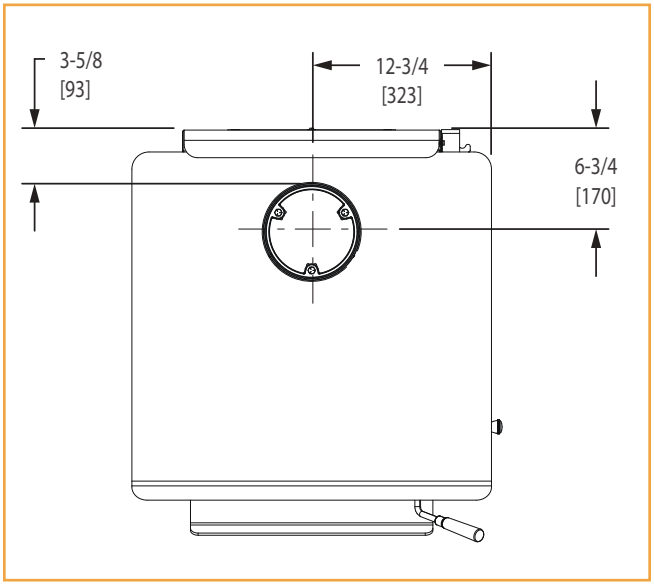

Figure 9.2 - Top View

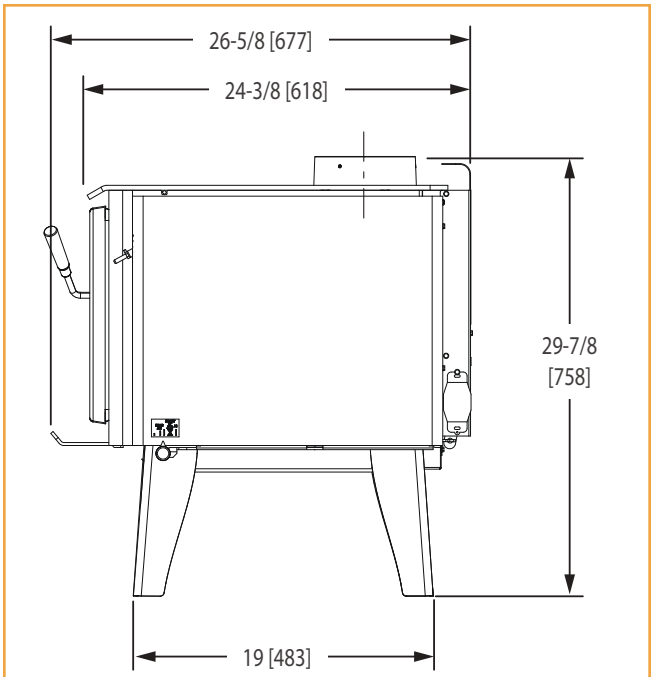

Figure 9.3 - Side View

Appliance Dimensions - FF-WP-300-AU

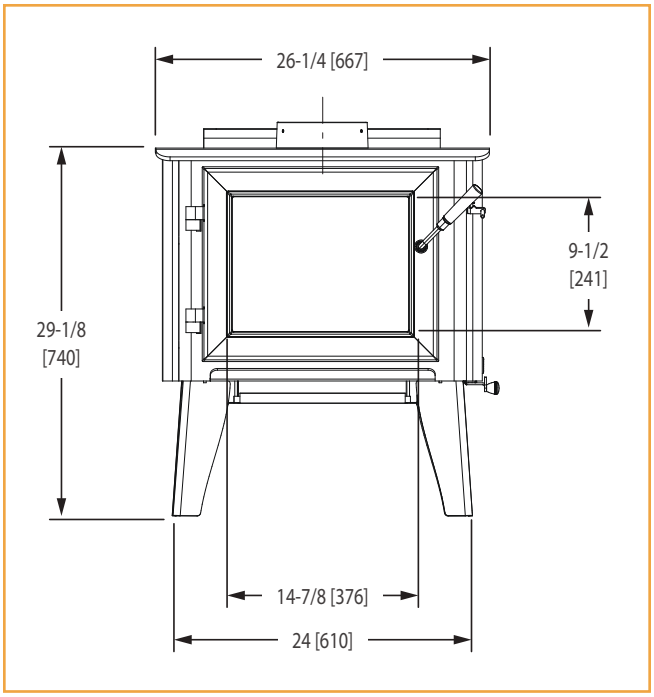

Figure 10.1 - Front View

NOTE: Flue Collar size is 6 inch (152mm) diameter (ID)

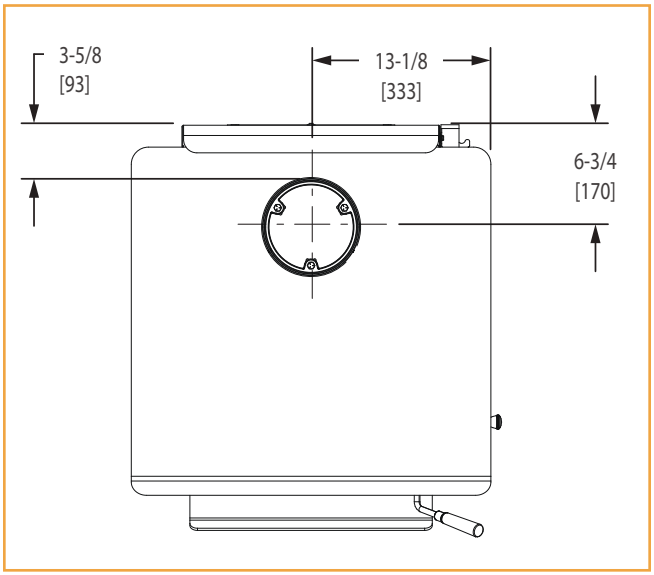

Figure 10.2 - Top View

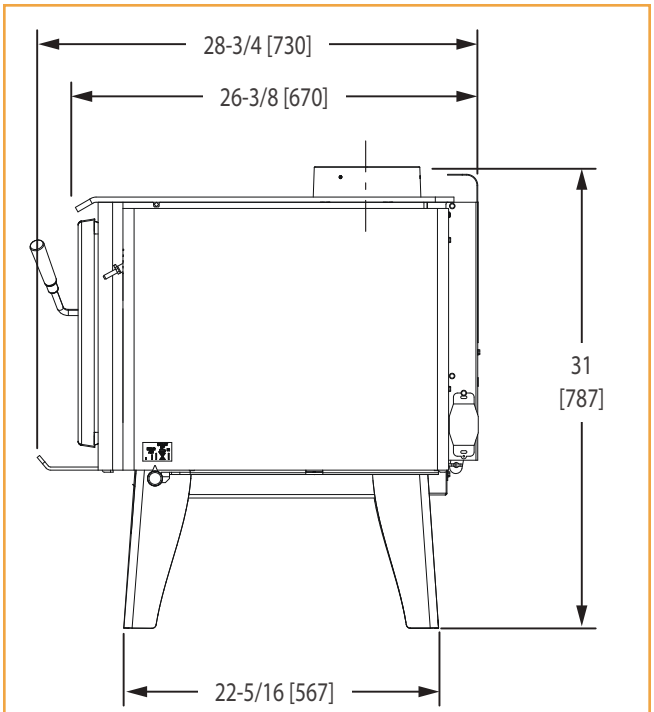

Figure 10.3 - Side View

B. Clearance to Combustibles

FF-WP-100-NZ

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS in Millimeters Note: A, C, and F Dimensions are to the center of the flue collar												
Installation												
	A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**	**L**
Double Wall; Pipe	298	127	584	292	203	191	1006	1062	300	888	1312	1556

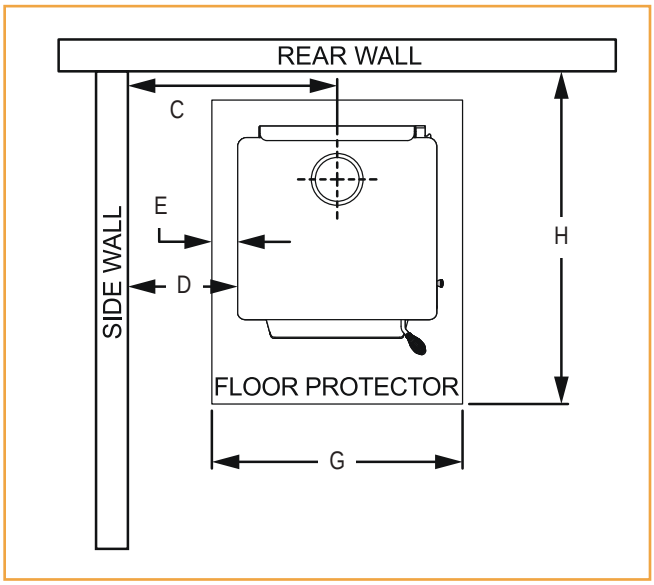

Figure 11.1

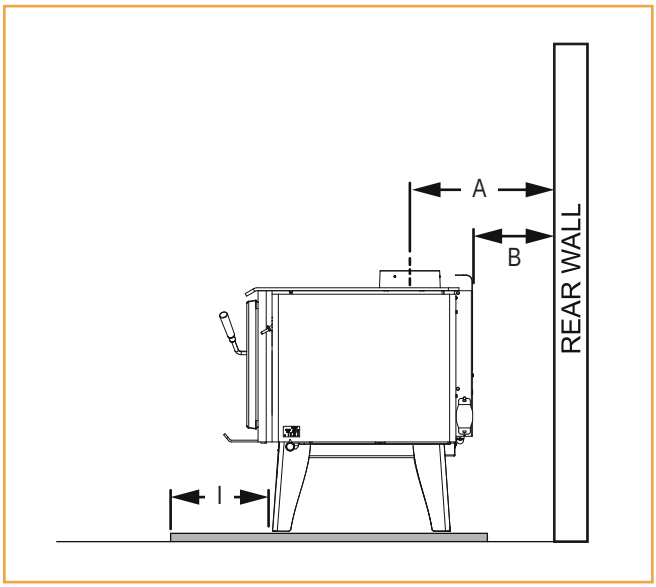

Figure 11.3

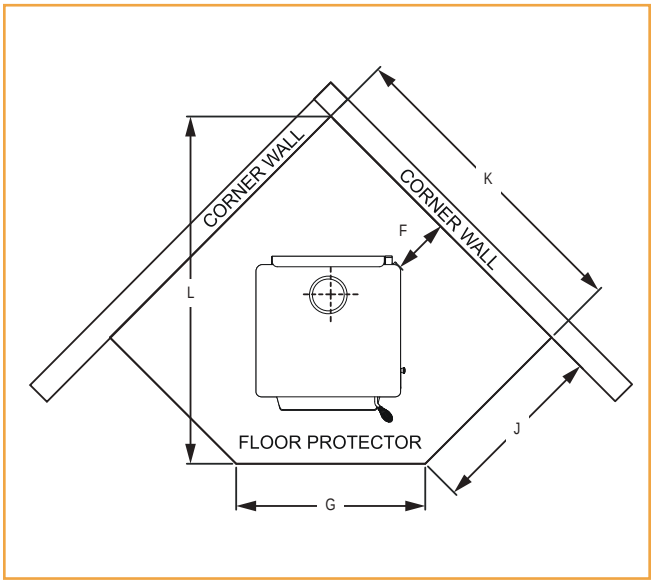

Figure 11.2

NOTE: Service Space

In order to replace the tube channel assembly a clearance of 483mm is required on the right side of appliance in order to remove the tubes with the appliance in place.

If space is not available, the appliance will have to be disconnected from the chimney to proceed with the tube replacement.

B. Clearance to Combustibles

FF-WP-200-AU

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS in Millimeters Note: A, C, and F Dimensions are to the center of the flue collar												
Installation												
	A	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**I**	**J**	**K**	**L**
Double Wall; Pipe	345	175	668	360	76	225	800	1062	300	756	1197	1469

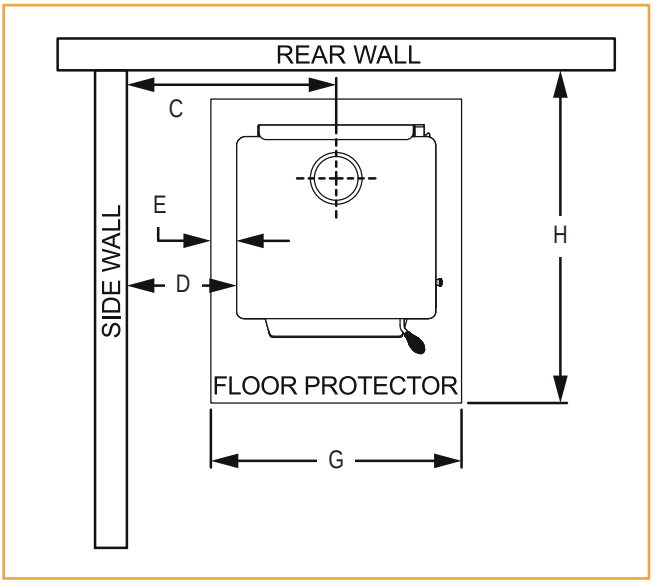

Figure 12.1

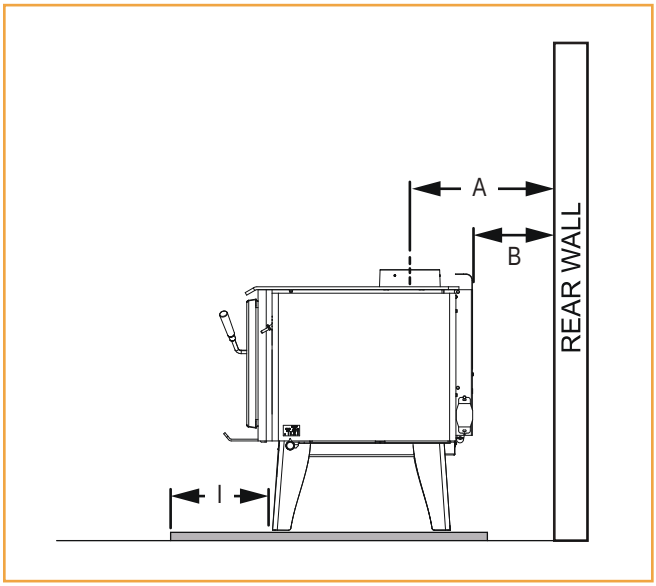

Figure 12.3

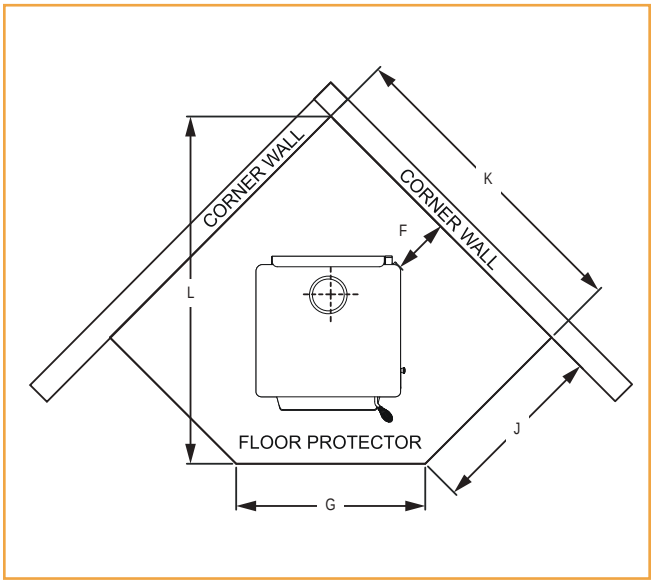

Figure 12.2

NOTE: Service Space

In order to replace the tube channel assembly a clearance of 483mm is required on the right side of appliance in order to remove the tubes with the appliance in place.

If space is not available, the appliance will have to be disconnected from the chimney to proceed with the tube replacement.

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS in Millimeters Note: A, C, and F Dimensions are to the center of the flue collar												
INSTALLATION												
	A	B	C	D	E	F	G	H	I	J	K	L
Australian Default Flue Kit	295	150	705	375	70	150	800	1130	400	796	1376	1536

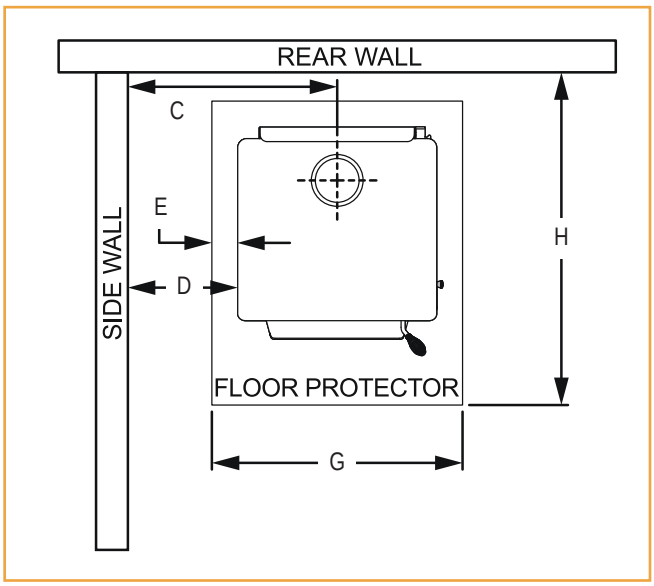

Figure 13.1

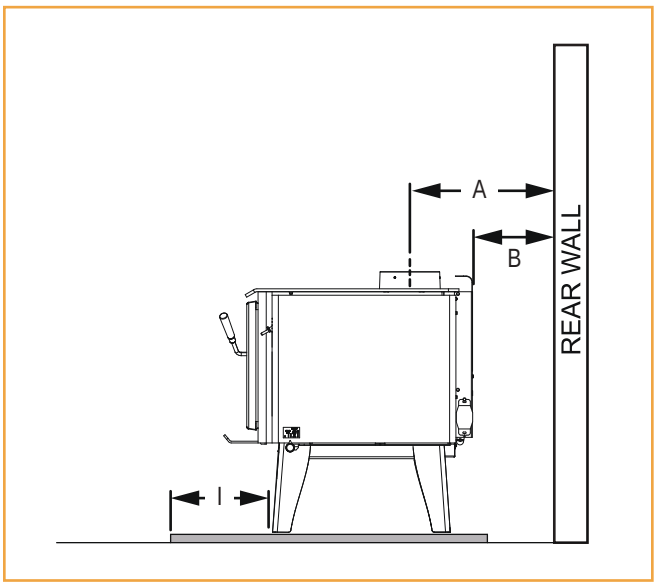

Figure 13.3

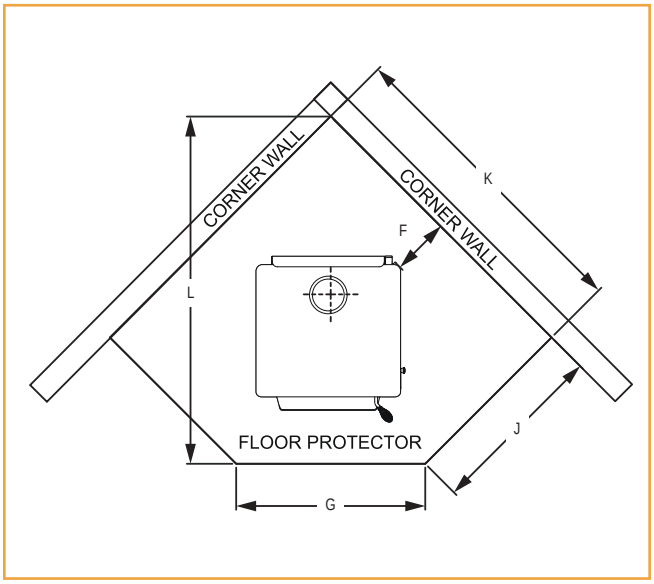

Figure 13.2

NOTE: This appliance is also tested and approved with a VisionLINE insulated flue kit with the same clearances.

NOTE: Service Space

In order to replace the tube channel assembly a clearance of 483mm is required on the right side of appliance in order to remove the tubes with the appliance in place.

If space is not available, the appliance will have to be disconnected from the chimney to proceed with the tube replacement.

A. Locating Your Appliance & Chimney

Location of the appliance and chimney will affect performance. As shown in **Figure 14.1** the chimney should:

- Install through the warm space enclosed by the building envelope. This helps to produce more draft, especially during lighting and die down of the fire.
- Penetrate the highest part of the roof. This minimizes the affects of wind turbulence and down drafts.
- Consider the appliance location in order to avoid floor and ceiling attic joists and rafters.
- Locate termination cap away from trees, adjacent structures, uneven roof lines and other obstructions.

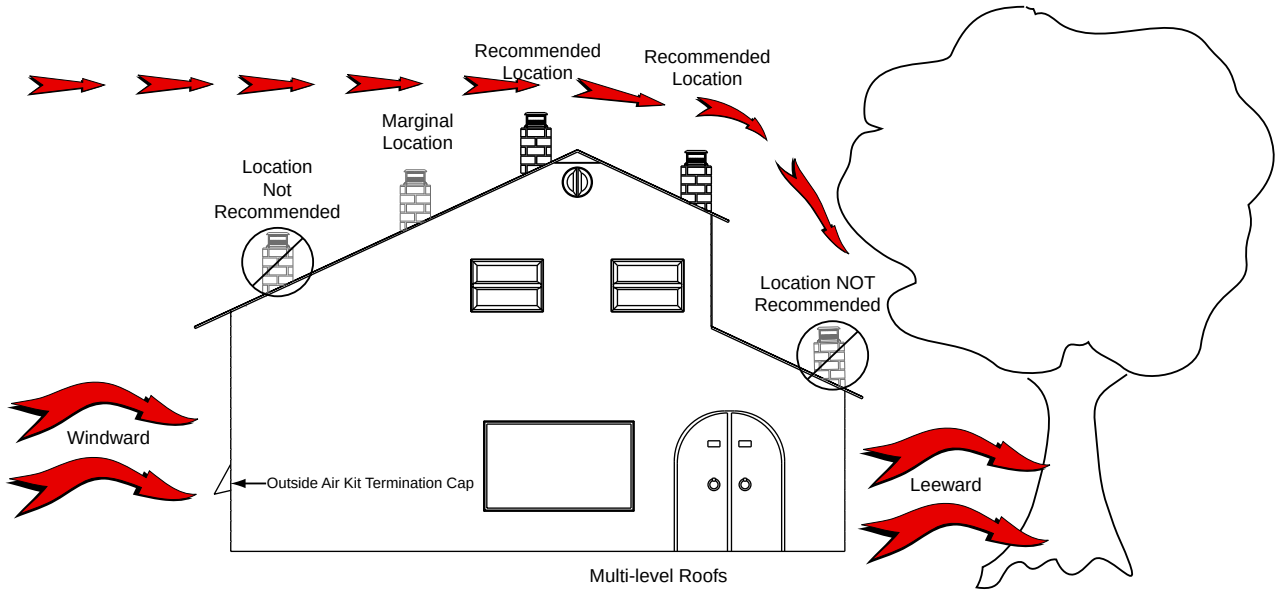

Figure 14.1

B. Minimum Height of Flue System Exit

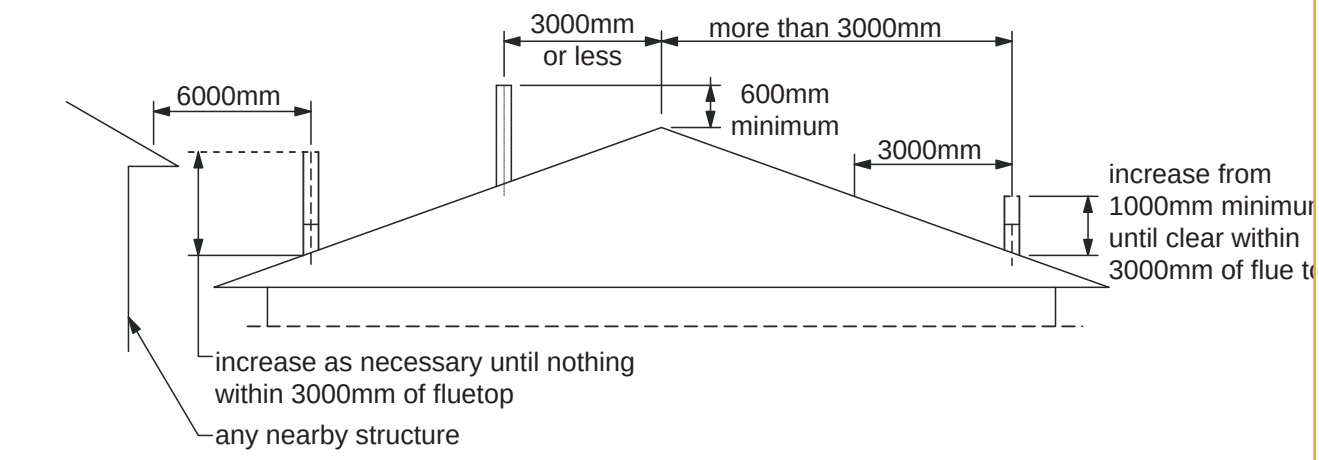

Figure 14.2

NOTICE:

- Chimney performance may vary.
- Trees, buildings, roof lines and wind conditions affect performance.
- Chimney height may need adjustment if smoking or overdraft occurs.

NOTICE:

Locating the appliance in a basement or in a location of considerable air movement can cause intermittent smoke spillage from appliance. Do not locate appliance near

- Frequently open doors
- Central heat outlets or returns

C. Chimney Termination Requirements

- Flue pipe installed crimp/narrow end down
- Outer casings installed crimped/narrow end up. (Critical when exposed above the roof)
- Inner casings:
  - direction not critical
- Flue pipes:
  - seal all joints including firebox spigot.
  - fix with a minimum of 3 stainless steel rivets
- Flue pipe spacers:
  - affix to flue pipe
- Flue system termination point:
  - Refer to **AS/NZS 2918:2001 4.9.1**.
- Flue pipe shall extend not less than 4.6m above top of the floor protector as per **AS/NZS 2918:2001 4.9.1(a)**
- Facade or chase systems:
  - same rule applies as above.
- Roof penetration and flashing method refer to **NZ Building Code E2.(From 01/07/05)**

NOTE: These instructions apply to 150mm diameter flue pipe systems as tested to **AS/NZS 2918:2001**

1. Either locate the appliance in position or by measuring at the ceiling mark the flue pipe center position. Check that the outer casing is unobstructed through the attic space or roof area.
2. Spike the center with a nail. Transfer this position to the next surface above. Plumb bob/laser.
3. Cut out the ceiling penetration hole – square or rectangle – short axis equals outer casing diameter plus 50mm, long axis as required. See **Tested Flue System** and **Un-Tested Flue System**. Perform the same at the roof penetration.
4. Frame out the hole with minimum 75mm x 50mm timber or as required for roofing material. Minimum requirement at roof penetration see **NZ Building Code E2 Acceptable Solution (from 01/07/05)**.
5. Install the outer casing so that:
   i. lower end is flush with the underside of the ceiling material and
   ii. with the addition of metal “L” brackets, affix to the outer casing at 90 degrees secure the outer casing centrally to the ceiling and roof nogs. Alternatively substitute the “L” brackets for 25mm thick non heat sensitive packers. Secure the outer casing through the packers with horizontal fixings to the nogs. Refer to the **General Flue System Instructions** for termination height. The option of outer casing slips to be taken into account.
6. Flash the outer casing to the roof material with the appropriate approved flashing.
7. If using an outer/inner casing combination, now install the inner casing ensuring it extends a minimum 200mm above the high side of the roof penetration. If not using a combination see step 10.
8. Prepare the ceiling plate and place upside down over the flue spigot.
9. Install the flue pipes by preferred method – either up or down the outer casing. Affix each length per the notes in General Instructions (above). Extend the flue pipe above the outer casing to suit the casing cover/ cowl assembly.
10. If the inner casing has not been installed, install now. Install the cowl assembly, i.e. Top spacer, casing cover and cowl.
12. Position and secure the ceiling plate with the screws and spacers.
13. Wipe the flue pipe to remove finger marks.
14. If flue offset is required, refer to **AS/NZS 2918:2001 4.1**

WARNING

Asphyxiation Risk.

- DO NOT CONNECT THIS Appliance TO A CHIMNEY FLUE SERVICING ANOTHER APPLIANCE.
- DO NOT CONNECT TO ANY AIR DISTRIBUTION DUCT OR SYSTEM.

May allow flue gases to enter the house.

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner’s information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or your dealer.

WARNING

Fire Risk.

Follow Chimney Connector Manufacturer’s Instructions for Proper Installation.

ONLY use connector:

- Within the room, between appliance and ceiling or wall.
- Connector shall NOT pass through:
- Attic or roof space
- Closet or similar concealed space
- Floor or ceiling

Maintain minimum clearances to combustibles

D. General Flue Systems Instructions

1. Unpack the Flue Mounted Shield, detach the three brackets and familiarize yourself with the illustrations.
2. Using a sharp knife or razor blade, carefully cut through the plastic film on the “inside face” where it meets the outer shield (refer sketch). Cut along the full length of the Flue Mounted Shield on both side, then peel off and fully remove the plastic film from the stainless steel inner shield.
3. Peel back and fully remove the plastic film from the outer shield.
4. Fit the top bracket to the Flue Mounted Shield as illustrated ensuring the rear mid section of the bracket fits “outside” while the two outer sections of the bracket fit “inside”.
5. Fit the appropriate lower bracket to your wood fire. Lower Bracket “5B” suitable for all other wood fires without an inner rear heat shield. On certain model wood fires without a raised flue spigot it will be necessary to cut off both the lower outer legs from the bracket “5B” leaving the entral tongue to locate inside the flue outlet only. Two tabs are provided and if folded back at 90 degrees the bracket and Flue Mounted Shield will mount lower onto the appliance. The Flue Mounted Shield then locates into the two notches provided n bracket “5B” as illustrated.
6. Once the Flue Mounted Shield is fitted in position onto either of the two lower mounting brackets, check to ensure a large gap is not present between the top of the wood fire and the base of the Flue Mounted Shield, as this may result in a hot spot on the rear wall directly behind the flue outlet. If your wood fire has a lift off top grill the Flue Mounted Shield should be raised sufficiently to enable the top grill to be removed.
7. Using the pre-punched holes in the two tabs provided on the top bracket as guides, drill into the flue pipe and secure the top bracket to the flue pipe with two stainless steel rivets (not supplied).

E. Chimney Height / Rise and Run

This product was designed for and tested on a 152mm chimney, 427-488cm high, (includes appliance height) measured from the base of the appliance. The further your stack height or diameter varies from this configuration, the greater the likelihood it may affect performance.

Chimney height may need to be increased by 2 - 3% per each 305 meters above sea level. It is not recommended to use offsets or elbows at altitudes above 1219 meters above sea level or when there are other factors that affect flue draft.

WARNING

Fire Risk.
Do NOT pack insulation or other combustibles between spacers.

- ALWAYS maintain specified clearances around venting and spacers.
- install spacers as specified.

Failure to keep insulation or other material away from vent pipe may cause fire.

F. Installing Chimney Components

Chimney Connector

Single wall connector or appliance pipe:

This must be at least 24 gauge mild steel or 26 gauge blue steel. The sections must be attached to the appliance and to each other with the crimped (male) end pointing toward the appliance. All joints, including the connection at the flue collar, should be secured with 3 sheet metal screws. Make sure to follow the minimum clearances to combustibles.

Factory-built listed chimney connector (vented):

The listed connectors must conform to each other to ensure a proper fit and seal.

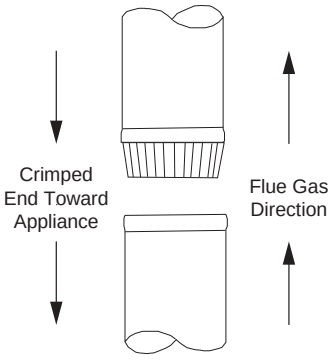

Figure 16.1 - Chimney Connector (Appliance Pipe)

G. Proper Draft

To be sure that your WoodPro burns properly, the chimney draft (static pressure) should be approximately -2.54mm water column (W.C.) during a high burn and -1.016mm W.C. during a low burn, measured 152mm above the top of the stove after one hour of operation at each burn setting.

H. Tested Flue Systems, as per AS/NZS 2918:2001

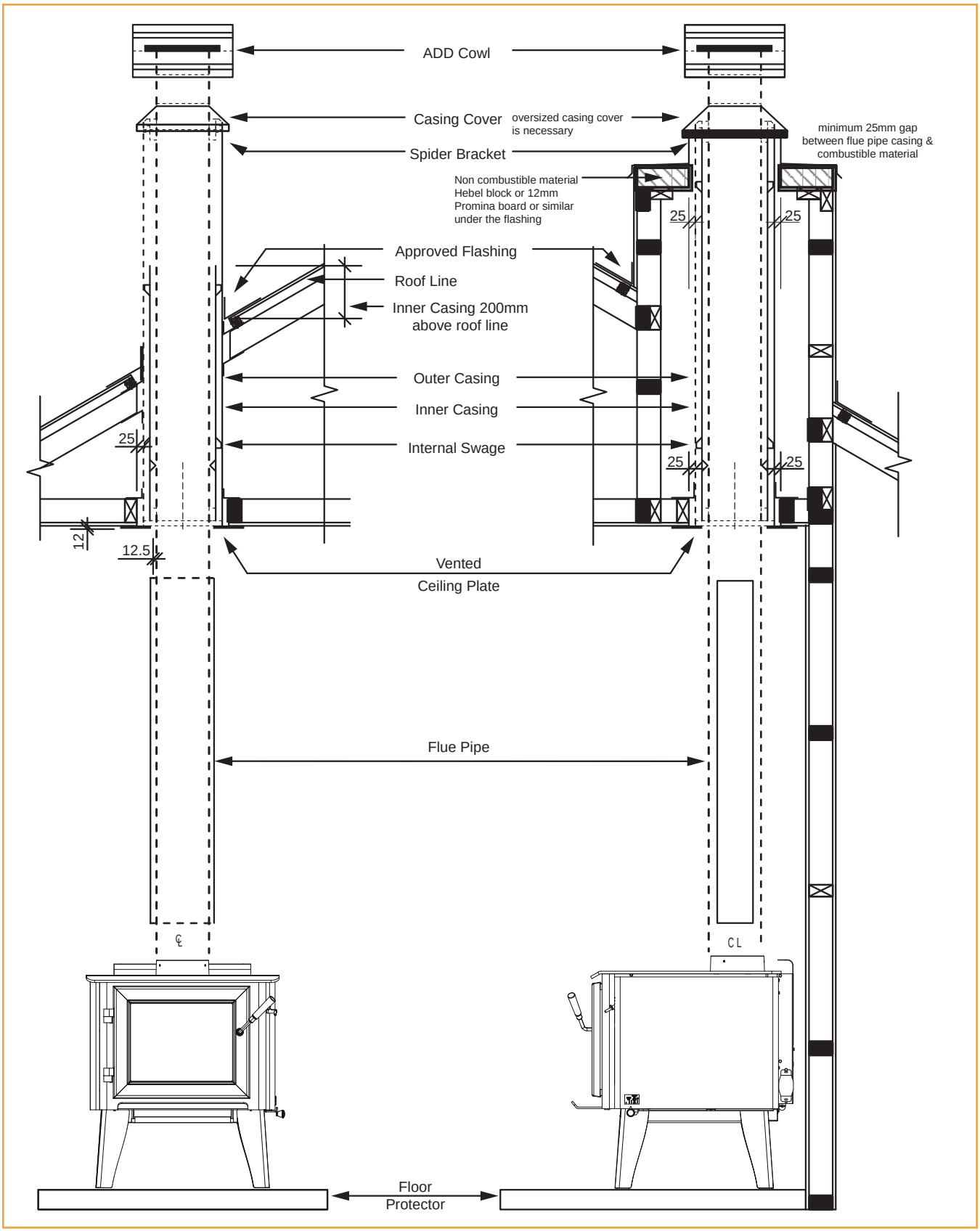

Figure 17.1

I. Un-Tested Flue Systems, as per AS/NZS 2918:2001, 4.6.3(b)

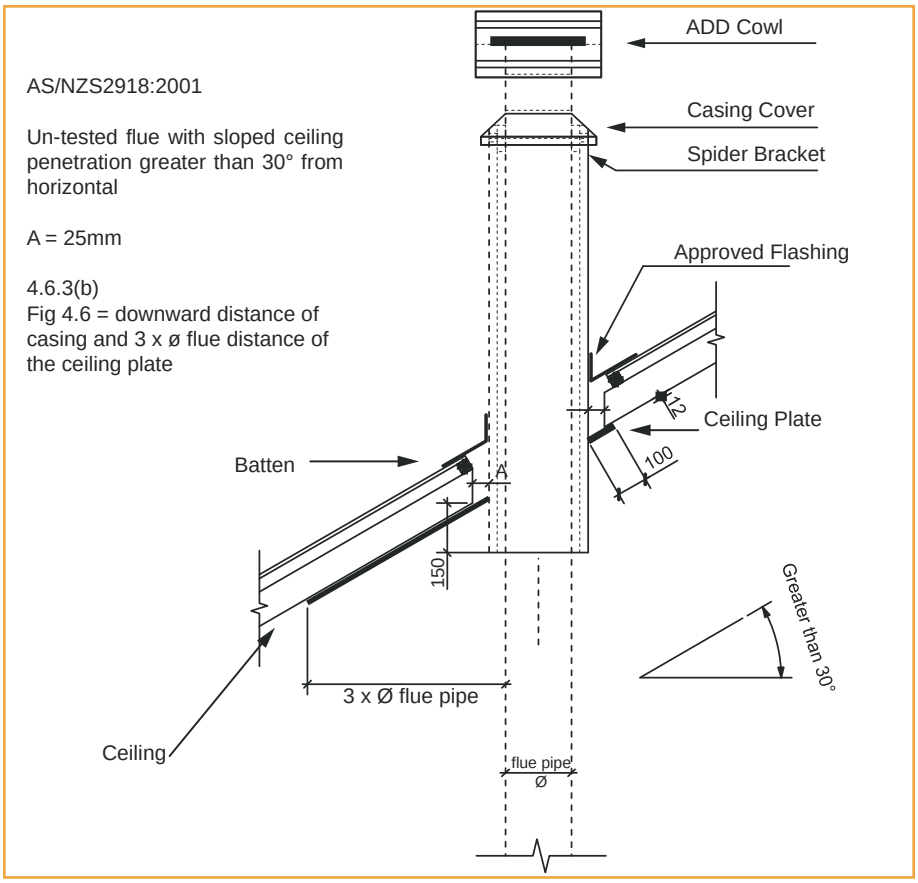

Figure 18.1

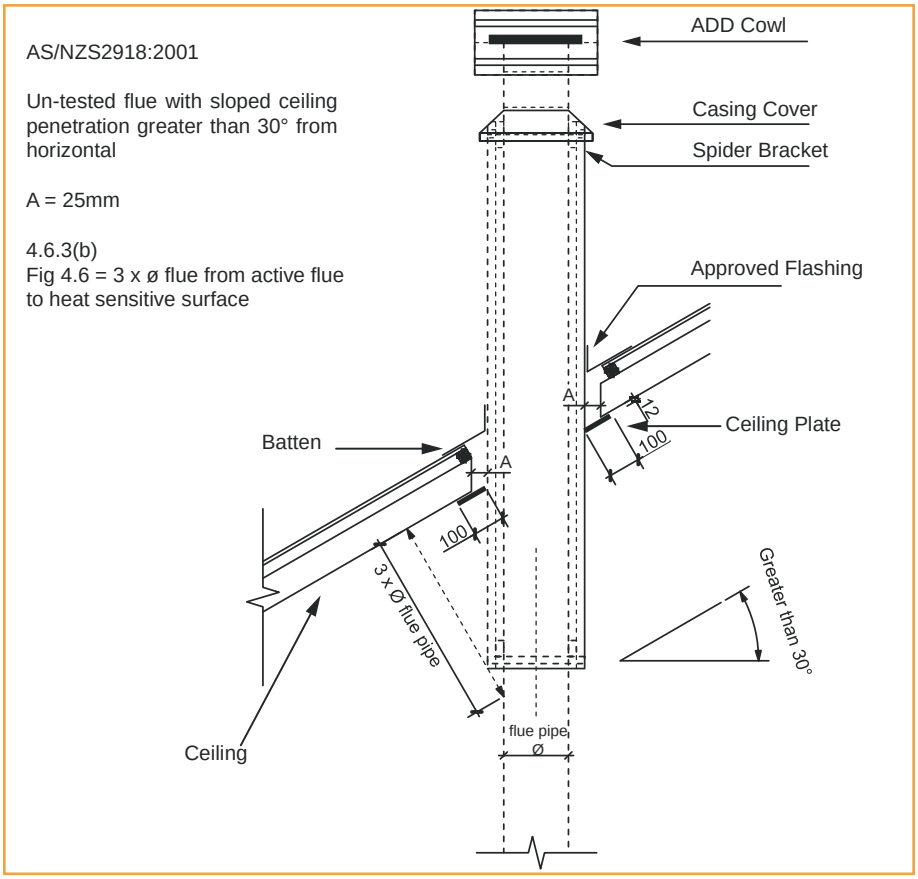

Figure 18.2

A. Outside Air Kit Installation

A source of air (oxygen) is necessary in order for combustion to take place. Whatever combustion air is consumed by the fire must be replaced. Air is replaced via air leakage around windows and under doors. In homes that have tightly sealed doors and windows, an outside air source is needed. An optional Outside Air Kit is available.

Items Needed for Installation (not supplied)

- 4 inch flex aluminum pipe, or if using alternate material, then it shall be made from durable, non-combustible, heat resistant material up to 350°F. Cut the pipe to the required length for your installation.
- Phillips head screw driver
- Silicone sealant
- Drills and saws necessary for cutting holes through the wall or flooring in your home.

1. Remove all materials from packing box.
2. Using a #2 Phillips screw driver attach the flex adapter to the appliance using 4 screws (**Figure 19.1).**
3. **Floor & Rear Installation:**

Cut a 4 inch (102mm) hole in outside wall or floor to accommodate outside air piping. Use 4 inch (102mm) aluminum metal flex or rigid piping to directly connect outside air to appliance intake. Use the supplied termination cap with a rodent screen. Seal between the wall (or floor) and the pipe with silicone to prevent moisture penetration.

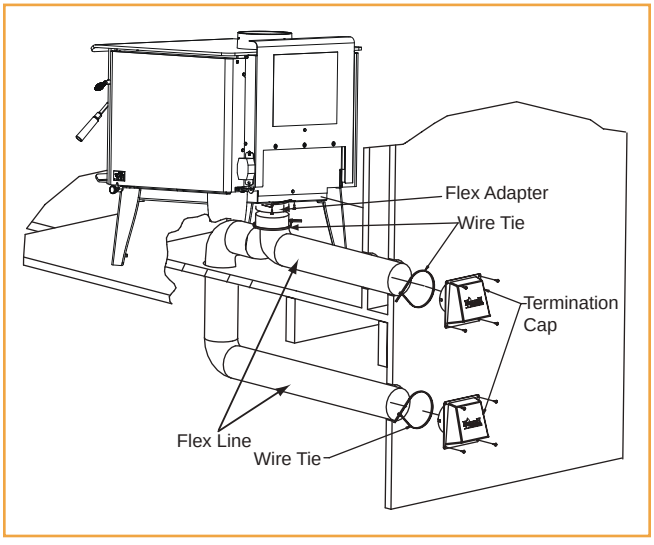

Figure 19.1 - Floor & Rear Installation

WARNING

Asphyxiation Risk.

Outside air inlet must be located to prevent blockage from:

- Leaves
- Snow or ice
- Other debris

Block may cause combustion air starvation
Smoke spillage may set off alarms or irritate sensitive individuals.

WARNING

Asphyxiation Risk.

Length of outside air supply duct shall NOT exceed the length of the vertical height of the exhaust flue.

- Fire will not burn properly
- Smoke spillage occurs when door is opened due to air starvation.

A. Service & Maintenance Log

Date of Service	Performed By	Description of Service

Date of Service	Performed By	Description of Service

B. AS/NZS 2918:2001 General Notes

WARNINGS

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

WARNING: APPLIANCES INSTALLED IN ACCORDANCE WITH THIS STANDARD SHALL COMPLY WITH THE REQUIREMENTS OF **AS/NZS 4013** WHERE REQUIRED BY THE REGULATORY AUTHORITY, I.E. THE APPLIANCE SHALL BE IDENTIFIABLE BY A COMPLIANCE PLATE WITH THE MARKING 'TESTED TO **AS/NZS 4013**'.

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.

CAUTION: CRACKED AND BROKEN COMPONENTS, e.g. GLASS PANELS OR CERAMIC TILES, MAY RENDER THE INSTALLATION UNSAFE.

WARNING: ANY MODIFICATION OF THE APPLIANCE THAT HAS NOT BEEN APPROVED IN WRITING BY THE TESTING AUTHORITY IS CONSIDERED AS BREACHING **AS/NZS 4013**.

WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS TO START OR REKINDLE THE FIRE.

WARNING: DO NOT USE FLAMMABLE LIQUIDS OR AEROSOLS IN THE VICINITY OF THIS APPLIANCE WHEN ITS OPERATING.

WARNING: DO NOT STORE FUEL WITHIN HEATER INSTALLATION CLEARANCES.

WARNING: FOR OPTIMUM PERFORMANCE FUEL MUST BE LOADED SO THE LOGS LAY "FRONT TO REAR" IN PREFERENCE TO LAYING ACROSS THE WIDTH OF THE FIREBOX. SPACES SHOULD BE LEFT BETWEEN THE LOGS TO ENABLE OXYGEN TO GET TO AS MUCH OF THE SURFACE OF THE FUEL AS POSSIBLE.

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

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