

Wood Heater Flue Kit Blog

If you are building a new home, but more importantly an energy efficient home, you need to be looking at an energy efficient flue system for your wood heater

Pivot's **Insulated flue system**, air seals the room, preventing any heat loss, it stop draughts, and, more importantly it will reduce firewood consumption at the same time

Standard **air cooled flue kits** are **very** inefficient, the air that is used to cool the flue down is drawn up between the triple skin flue pipes, sucking the heat away from the active flue, and dumping all this hot air outside

Standard Default Triple Skin Flue Kit

Air Cooled
Flue Kit

A	120mm x 1.200mm Stainless Steel Flue	1	FLU01
	200mm x 1.200mm Decorative metal / or solid down with spacer ring	1	FLU02/M02B or FLU02/M02S
B	120mm x 1.200mm Stainless Steel Flue	1	FLU01
	200mm x 1.200mm Decorative metal / or solid down	1	FLU02/M02B or FLU02/M02S
C	Triple skin metal length (longest)	1	FLU03/M03B or FLU03/M03S
	200mm x 1.200mm Flue with Draught Ring	1	FLU04
	Decorative 200mm High Galvanneal Sheet	1	FLU05
	200mm x 1.200mm Galvanneal Flue	1	FLU06
	120mm x 1.200mm Stainless Steel Flue	1	FLU01
D	200mm x 1.200mm Galvanneal Flue	1	FLU06
	200mm x 1.200mm Galvanneal Flue	1	FLU06
E	120mm x 1.200mm Stainless Steel Flue	1	FLU01
F	Stainless Steel Cast	1	FLU07
J	Ceiling Ring	1	FLU08
	Painted 200mm High Metal Block	1	FLU09

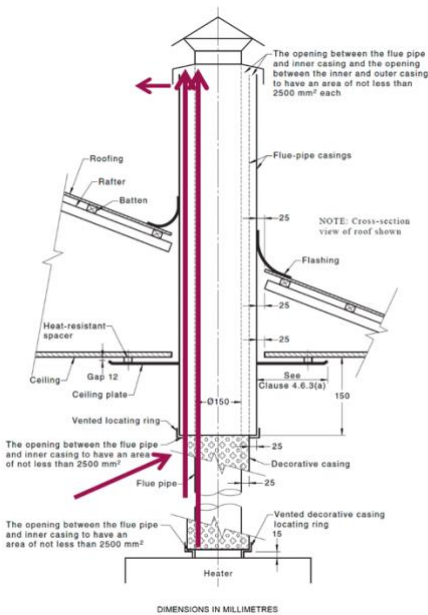
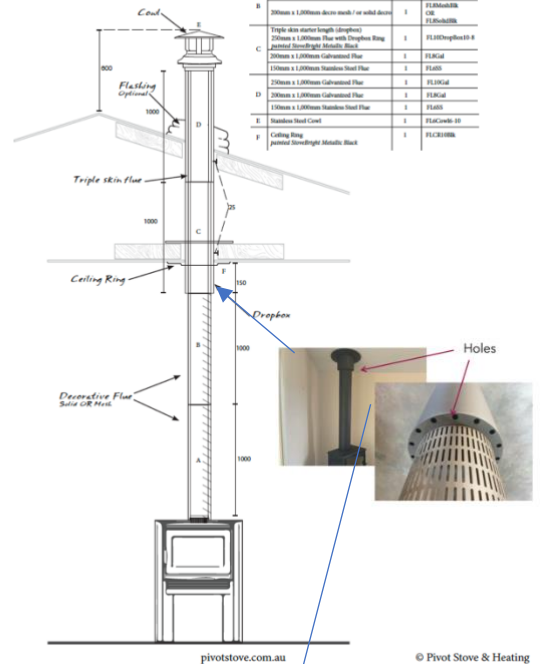


FIGURE 4.5 EXAMPLE OF A CEILING AND ROOF PENETRATION WITH DECORATIVE CASING FOR AN UNTESTED FLUE SYSTEM

The amount of air used to cool this flue down, is over **420 litres** of air per minuet

That calculates to be **8%** of the heat your heater makes is lost through the triple skin flue system

Even worse, this lost heat is replaced by cold air, that is being drawn in from outside the same rate, causing a constant incoming draught

The opening between the flue pipe and inner casing and the opening between the inner and outer casing to have an area of not less than 2500 mm² each

Reference : AS/NZ 2981:2009 4.6.3



Pivot's insulated flue system, or what we call the **ROOM SEAL FLUE KIT** is the most efficient flue system for wood heaters

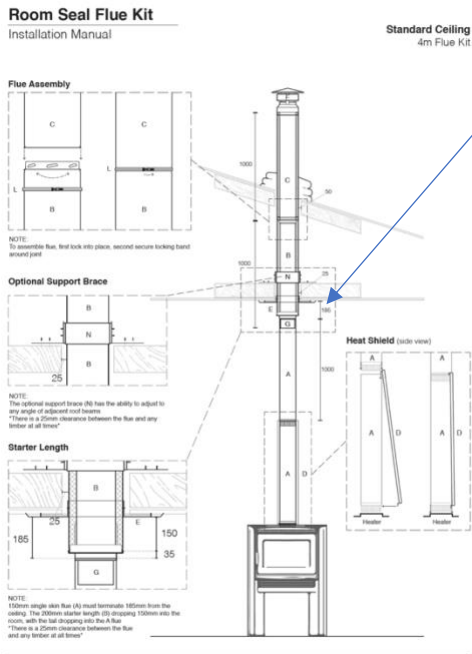
It stops unnecessary heat loss, and increases your heaters ability to heat your home by 8% - saving you wood and money

ROOM SEAL FLUE is consist of 150mm (or 6") active stainless steel flue that is wrapped in ceramic insulation, the outside flue made from a 200mm (or 8") stainless steel



It has the exact same installation properties of a normal flue, and can be installed as close to 25mm away from any timbers in your roof

You not only now have a smaller diameter flue protruding from your roof, but being all stainless, its designed for tough environmental conditions.



No air holes

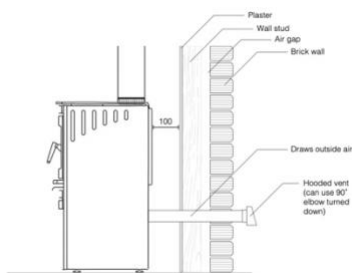


So with a **ROOM SEALED FLUE** System for your wood heater, you get the same safety of a triple skin flue – just without the heat loss you get with a standard air cooled flue kit

No heat loss



- Save 8% on your heating costs
- Plugs air loss through the flue
- Increases heaters ability to heat
- Easier to install, twist lock flue joints



Pivot's **ROOM SEALED FLUE** kit is perfect for any high efficient home where preventing negative pressure issues and heat loss is paramount to the home.

Add any wood heater with an outside air adaptor, and your wood heater is perfect for the most efficient home

Or for any home where you are looking to save energy bills and stop draughts



Insulated flue systems are the most used flue systems for wood heaters right through Europe, UK \and Canada – and are one of the most trusted ways to flue a wood heater