



## Differences and advantages of Solution range of Clearview Stoves

Incorporating Solution 400, Solution 500 and Pioneer Oven

The main difference between the Solution stoves and the standard range is the convection casing around the Solution models. Whilst all stoves will give out radiated and convected heat, in the case of the Solution stoves the emphasis is more on the latter. In our experience this allows the stove to heat a large open space slightly quicker and more evenly, as well encouraging heat to spread further away from the stove. Our Solution models are very well suited to large open plan spaces, where the stove is free standing. Also rooms which have stairs or doors into adjoining areas will benefit from the convection capability of the Solution stoves.

A second advantage of this convection casing is the reduced clearance to combustibles. Clearance to the sides and back of the Solution stove is halved by the presence of this casing, allowing the stove to fit into a tight space or a corner where there is close proximity to a combustible unit or wall. The addition of a second 'rear heat shield' reduces this clearance by half again, making the stove an obvious choice for a new build/timber frame installation.

Apart from its physical shape the other major difference is the addition of a tertiary burn in the firebox of the Solution model stoves. This is small stainless steel bar in the back of the firebox, into which hot air is fed. This hot air jets into the top of the fire box, creating turbulence within the flue gases and allowing the stove to burn off any residual deposits or volatiles that may otherwise have been lost up the chimney. In practise the stove is slightly more efficient and slightly more tolerant of poorer quality fuel. All Clearview Stoves are able to cope with wood that for other manufactures would prove to be a challenge, due mainly to our unique pre heated airwash system. However the Solutions are even more forgiving, allowing them to burn cleanly on what is often considered unseasoned fuel. Anecdotally we can testify to a Solution model stove running cleanly and up to temperature on a mix of wood some of which was between 27-30% moisture content.

In summary the Solution models are excellent work horse stoves, capable of running continuously on mixed quality fuel, and able to spread their heat effectively over a large area. The extra storage under the firebox and the raised height of the fire, giving a better view of the flames, are also important considerations and taken together are often factors persuading customers to opt for what is ultimately a more expensive stove.

All stoves can accommodate the external air and smoke control options. These features should be fitted at the time of manufacture, and it is important we are told in advance if external air is to be fed in from underneath the stove.