



## Double Sided Stoves

Due to the compromise that is intrinsic to the design, it is very hard to make an efficient double sided stove. The glass is always the coldest part of any firebox, which is part of the reason why we double glaze our doors. By removing the back of the stove and the rear fire brick and doubling the amount of glass you double the amount of heat loss out of the firebox. This will severely reduce the efficiency of the stove and the combustion temperature in the firebox, making the stove less likely to be clean burning. The only way to compensate for this is to load the stove more frequently, as a result double sided stoves often have a reputation for being quite hungry.

In addition our airwash system relies in part on a reusing of the combustion air within the firebox, this recycling effect is very hard to achieve on both sides. One can start to cancel out the other. Airwash air will inevitably be travelling for a shorter distance within the stove body, making it cooler and less effective, particularly when the stove is run at lower temperatures. On less than perfect fuel glass will quickly start to soot up as the airwash air fails to protect it all the way from top to bottom.

More glass also requires more air, as a result it is harder to slow burn a double sided stove and maintain crystal clear glass.

In the end it was decided that a doubled sided stove would not be a true Clearview but a compromise. It would be harder to keep clean, less tolerant of poorer quality wood, less likely to stay in overnight and would not be able to slow burn quite as well.

There are other options, some customers will fit two stoves back to back, others will open up the fireplace and have the stove facing one way with a nice stack of logs on the other side. This can look nice and allows a little bit of heat spread, as well providing some wood drying.

Should you wish to discuss these please feel free to contact us.

SL20B – Double sided stoves/JMG/270520