

# Twin Wall Insulated Flue Systems

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Docherty Chimney Group products are considered one of the best products on the market. Unlike many other manufacturers, their products are more robust, easier to install, and have a greater life expectancy. With up to a 20 year warranty, it is the product of choice for many of the registered chimney technicians in the UK and N. Ireland. They may be more expensive, but we need confidence in the products we use so we don't and won't compromise on quality.



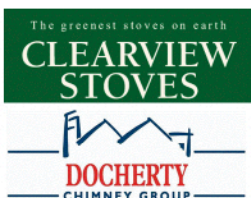
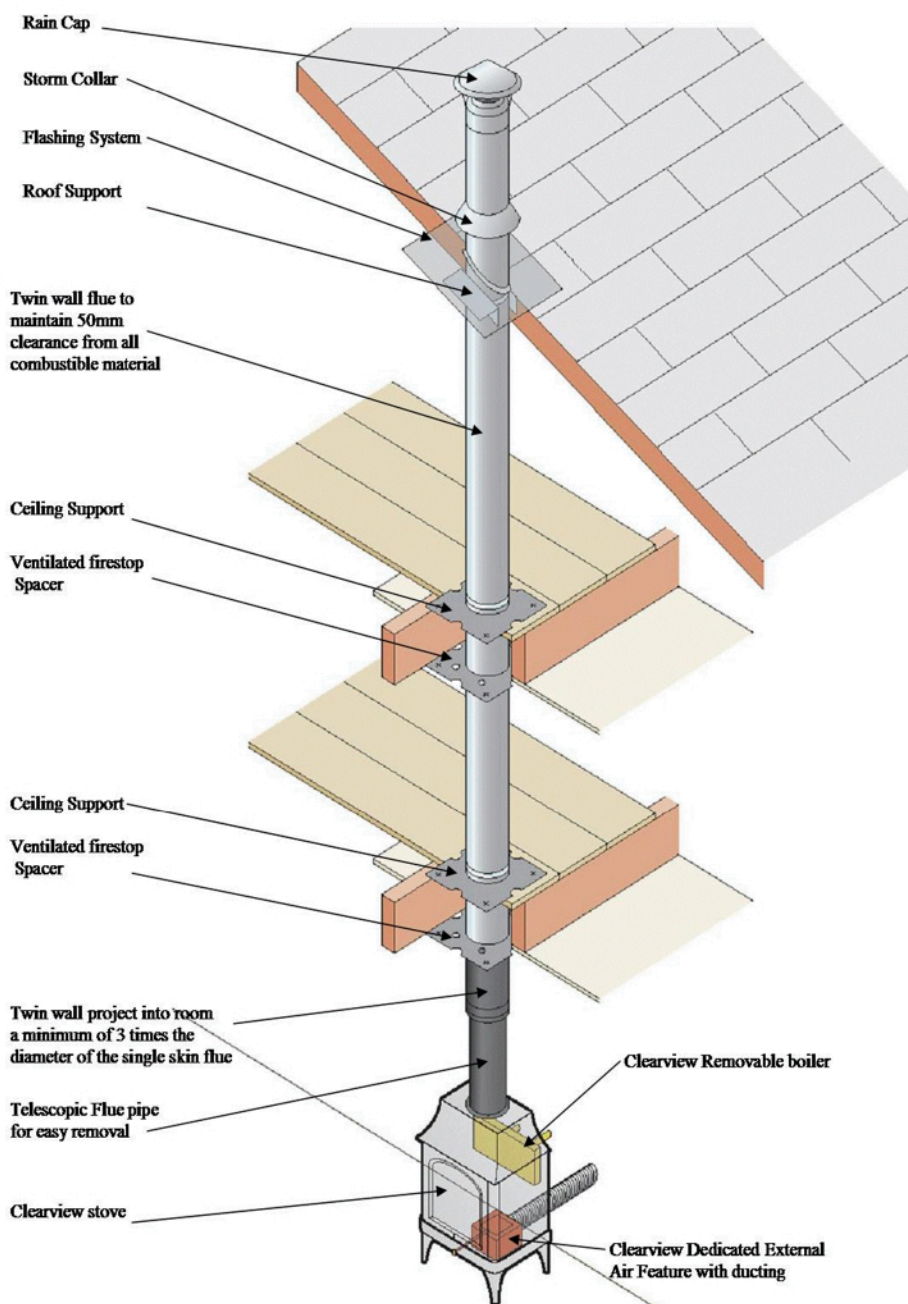
There is a lot more involved with regard to insulated flue systems than first meets the eye. These products are designed to carry hot combustion gasses safely through the home and into the atmosphere, and therefore must be correctly installed. Issues have arisen with these systems causing house fires and insurance companies have been known to refuse to pay for damage caused by faulty installation.

This diagram helps to show the components needed to build the system. Note that the image shows a system passing through two floors, i.e. a living room ceiling and also an upstairs room. Obviously if passing through a single story property, you will only require one set of components.

It is a requirement that the flue system is kept a minimum of 50mm away from combustibles throughout. This means timber, plasterboard and roof felt.

The twin wall flue must project below ceiling level a minimum of 3 x the diameter of the vitreous pipe. For example a stove with an outlet of 150mm (6") will need to have twin wall flue projecting into the room 450mm (18"). This product can be painted with heat resistant paint to match the single skin vitreous enamel pipe, but as the single wall heats up to significantly higher temperatures than that of the twin wall, it can not be allowed to be closer than building regulations, manufacturers instructions and fire regulations dictate. Support systems must be used to bear the weight of the flue.

It is also a Building Control requirement that telescopic vitreous pipe be used, so the appliance can be removed if necessary, without the need to dismantle the flue system itself. Common sense really, but often overlooked.



Registered and Approved Master Chimney Technicians.  
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