

ECO STOVE

More than just a room heater
Heat more of the house



A move away from the traditional multi-pass flue ways with the Ecco Stove, this model E580 has created the emissions diversion and high heat extraction from the spent flue gas via a system of baffling within the model E580 and absorption into the silicon carbide.

Flue gas temperatures will typically be lower than most stoves as the majority of heat is retained in the stoves body and baffles.

The heat produced creates more heat for much more of the house rather than over heating the room it stands within (providing doors are left open).

THE STOVE

Innovative use of silicon carbide as the whole structure of the stove, incorporating the unique benefits of the material produce a very high temperature in the combustion chamber (typically 900-1000°C) and a catalysing effect to consume the volatile elements in the products of combustion within the Ecco Stove before they exit to atmosphere.

WHAT DOES THIS MEAN TO ME?

As a result of high combustion temperatures, low flue gas temperatures, high heat absorption and slow heat being released, a tested efficiency of 80.4% and low carbon output to atmosphere of 0.28% The model E580 Ecco Stove heats much more of your house than just the room within which it stands (provided doors within the house are left open).

HOW?

By using silicon carbide; a combination of minerals that filters energy, produced to emit low frequency heat waves that travel further in air rather than losing heat into objects close at hand.

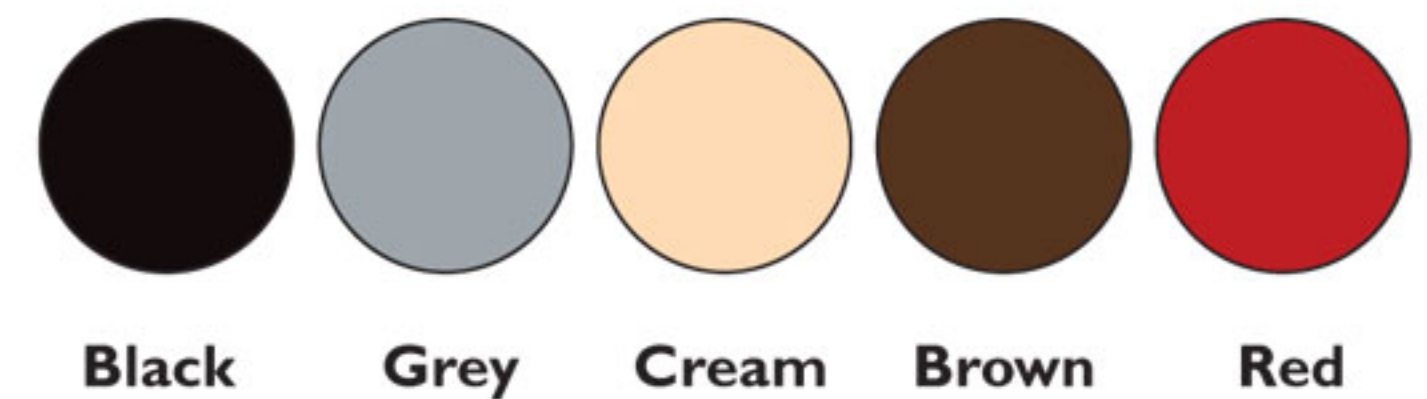
Sitting in front of a stove wholly constructed of silicon carbide will typically be no hotter than 4 or 5°C more than adjacent rooms around.

ECO STOVE

Heating Properties



COLOUR OPTIONS



Black Grey Cream Brown Red

Model	Height	Width	Depth	Weight	Flue Diameter
E580	730mm	580mm	500mm	270kg	150mm

Distance to combustables			
Rear	Top	Sides	Front
200mm	350mm	125mm	350mm

Distance to non - combustables			
Rear	Top	Sides	Front
75mm	300mm	125mm	300mm

OUTPUT	6.6KW
REFUELING PERIOD	1.5 HOURS
REFUELING LOAD	3.33 KG WOOD LOGS
LOG LENGTH MAX	370MM

HOW IT WORKS

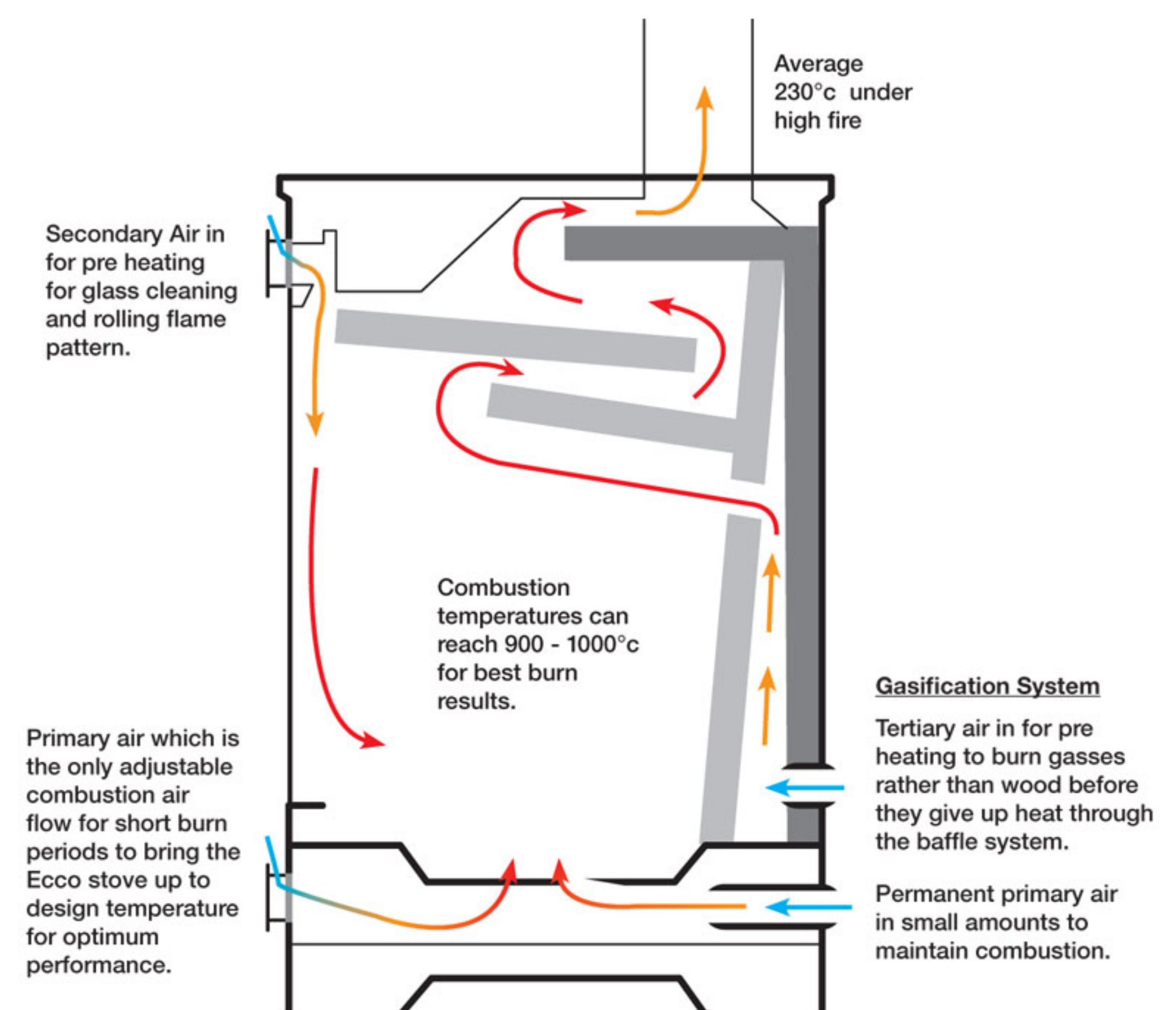
- Air is drawn in through the back of the stove for a small amount of primary combustion.
- By opening the ash pit drawer, primary temporary combustion is taken in.
- Air is preheated in a chamber at the head of the stove to add super heated oxygen to burn down the face of the glass. This air flow is for secondary combustion.
- Tertiary air is pre heated and added at the back of the stove to burn unburned gasses before they exit through the baffle system and thereafter release heat into the silicon carbide stoves body.

SIMPLICITY OF USE

All air flows are pre set and non adjustable apart from primary air to be controlled via the ash pan to bring the Ecco Stove up to its design temperature of 160-180°C and then closed. No other adjustments are needed.

TYPICAL EASE OF USE

3 kg of wood burned will typically maintain heat produced (approx 25%) when preheated to temperature for 6 hours from initial loading (subject to chimney draught).



Your Local Ecco Stove Specialist

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