

FLUELESS GAS FIRES

Heating your home – not the sky



The Image, a contemporary flueless fire from Burley, shown with the Thames surround.



Have you ever considered how much heat disappears up your chimney?

With an open flued gas fire or a solid fuel fire, more heat is lost than actually goes into your room.

Fuel prices have increased dramatically over the past year or so and these increases are predicted to continue. By wasting energy into the environment you are adding to global warming as well as paying unnecessarily high fuel bills.

Consider instead a **Flueless Gas Fire**. No chimney or flue is required so all the heat generated goes to warming the room.

ABOVE: *The Regard, Burley's wall mounted fire*
BELOW: *The Ambience cast aluminium stove. Classic good looks but without the cost, inefficiency or mess of a chimney or flue.*





The Acumen

Flueless gas fires have a long established history in the United States, Australia and Japan (where there are 40 million). They were introduced to the UK relatively recently by Burley and are now available at most reputable fireplace stockists.

How do they work?

Burley's flueless gas fires and stoves burn extremely cleanly due to their advanced technology. Any remaining waste gases pass through a catalytic converter to form carbon dioxide (which is harmless at these levels and is present in fresh air.)

What are the main requirements?

You will need a supply of either natural gas or propane; an air vent and a minimum room size. No chimney, flue, fireplace or electricity supply is needed.

Flueless gas fires are not designed to be the sole source of heat in a room, they are supplementary to central heating. Insufficient ventilation or background heat can sometimes cause condensation to form on colder surfaces.

Why are they so much more efficient than open flued fires?

A chimney or flue drags a huge amount of air out of the house – warm air which has already been heated by your central heating. This warm air has to be replaced by cold air from outside, leaking in through the gaps around windows and doors. A flueless fire works in the opposite way. The vent in the room gently supplies air into the room which is being heated. This heated air dissipates away from the fire and circulates around the house.

Does the air vent create a cold draught?

No. The tiny amount of air that the vent does draw is a fraction of the cold air that a chimney or flue drags into a house and will be compensated for many times over by the extra heat you get. The vent is primarily to maintain the correct level of oxygen in the room and forms part of Building Regulations, Part J.



The Environ



The Environ

What about safety?

Burley flueless gas fires can provide an exceptional level of safety because they have been designed to burn extremely cleanly and they do not have a chimney to rely on to remove the combusted gasses.

Chimneys and flues are fraught with potential problems, all of which will stop a flued fire from operating safely. The fabric of the chimney could collapse.

A nest or debris could block the flue.

Atmospheric conditions or open doors can create a down draught.

Extractor fans can create a draught to reverse the pull of a chimney, causing it to spill the products of combustion into the room. (This makes flueless gas fires particularly popular and safe for use in pubs and restaurants). Every Burley flueless gas fire is bench tested for at least 30 minutes before leaving the factory. Once installed, an oxygen depletion sensor within the fire constantly monitors oxygen levels in the room. If this should fall by as little as 1.5% the flame is automatically extinguished.

What if the catalytic converter fails?

Burley has never had to replace a failed catalytic converter. It has also had catalytic converters on test for the equivalent of 30 years of use and subjected them to abuse and damage. They are still as efficient now as when they were brand new.

Burley fires are approved by international test houses for sale across the whole of Europe. One of the tests involves the removal of the catalytic converter. In this condition it must still pass all the strict combustion tests. So the fires operate safely even without a catalytic converter.

Are they easy to install?

Yes, a flueless gas fire can literally be fitted in minutes. It is a simple and problem free operation provided the CORGI registered fitter follows the installation instructions. If it is to go in an open chimney, then the flue must be blocked and one of Burley's cavity boxes fitted. Apart from that, the fire just needs connecting and testing, and the air vent fitting.

Bear in mind that if you needed to build a chimney on a house it would cost at least £1,000. Restoring a damaged chimney would probably cost a lot more.

As with all gas appliances, the fires must be installed and serviced annually by a CORGI registered fitter.



The Image

For further information on Burley flueless gas fires visit www.burley.co.uk or phone Burley on 01572 756956.