

SUPERIOR**FIRES**

THE GUIDE TO **FLUELESS FIRES**



FLUELESS GAS FIRES

Flueless gas fires are the perfect choice where, efficiency, style and warmth are concerned. Since they don't need a chimney or flue, they are relatively simple to install compared with conventional flued gas fires, therefore significantly cutting down on installation servicing time and costs.





FEATURES & BENEFITS

The key difference between flueless and traditional flued gas fires is that flueless fires do not require a chimney (or flue), and use catalytic technology that delivers instant heat with low carbon emissions.

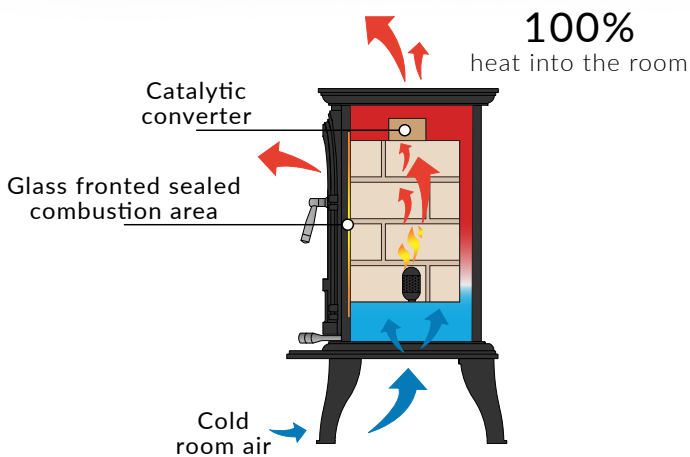
The catalytic technology converts carbon monoxide into harmless carbon dioxide and water vapour; levels of which are so low they are typically present in fresh air.

Installation and servicing are both low cost and our customers typically enjoy up to 70% off their heating bills without compromising on the room's style and mood.

HOW IT WORKS

Our flueless gas fires and stoves do not require a chimney, or flue, however, they do need to be connected to a gas supply. Flueless gas fires and stoves are some of the safest products on the market and to further improve their performance a catalytic converter system is positioned at the top of the appliance to convert any combustion gases into carbon dioxide and water vapour, levels of which are typically present in fresh air, meaning you can safely enjoy warmth from your gas fire or stove.





INSTALLATION

Can I have a flueless gas fire or stove?

Our exciting range of flueless gas fires and stoves are the perfect flat wall, no chimney solution to instant warmth. Our innovative technology provides a flexible design for your house or apartment, allowing you to install a fire or stove not only in the living room, but also dining room, office, study and kitchen.*

If you have a natural gas supply** and can run a standard 8mm gas pipe to the fire installation point, while ensuring you have the minimum room size and adequate ventilation you can benefit from this technology.

*Flueless fires are not permitted in the bathroom.

**Available in natural gas (NG). Selected models are also available in LPG.

What about installation and servicing?

All gas fires must be installed by a Gas Safe or RGII registered gas engineer. Flueless fires are very popular with fitter's as they are relatively simple to install and can be fitted in a fraction of the time it takes to fit a conventional gas fire. We also provide a fitting template with every flueless wall hung fire that is used to help with installation.

An annual service by a Gas Safe / RGII engineer is recommended to ensure you get the best performance from your fire and validates your manufactures guarantee.

Minimum room size

It is important to comply with the minimum room size requirement.

Each fire is different and the minimum room size requirement will vary depending on the input / output of the product. To be sure that you pick a suitable fire for your room, simply multiply the length by the width, by the height, to calculate the volume in m³.

Calculation of room size (m³) = L x W x H (metres)

Choose a location

Having selected the correct model you will need to choose a location. First ensure a gas supply can be run to your desired location. There must be a minimum clearance to the sides of the fire and in front, Clearances will vary depending on the type of model. Please check with the installation instructions.

Ensure there is adequate ventilation in the room:

Check to see if an air brick / air vent is located in your room, a lot of new homes will have an air brick fitted already.

If your room does not have an air vent fitted that is a minimum of 100cm², vented directly to the outdoors then one will need to be installed. Modern air vents allow sufficient ventilation into a room but will stop draughts, light and insects coming through, they are also less draughty than a conventional flue / chimney.



VENTILATION

What is the purpose of an air vent?

The purpose is to provide fresh air ventilation to replenish the air used by the flueless gas fire. It is not to take air out. Buying a high quality air vent will save considerable cost in the long run can significantly help reduce any drafts once installed correctly.

What ventilation is required?

Most heating appliances need ventilation to maintain the correct level of oxygen in the room. All of our flueless appliances installed in the UK require only 100cm² of additional purpose provided ventilation. For installation in the Republic of Ireland, two fixed openings are required with a minimum effective opening each of 60cm². Both ventilators should be fitted on the same wall, one at high level and one low level with a minimum vertical separation of 160cm.

What about condensation?

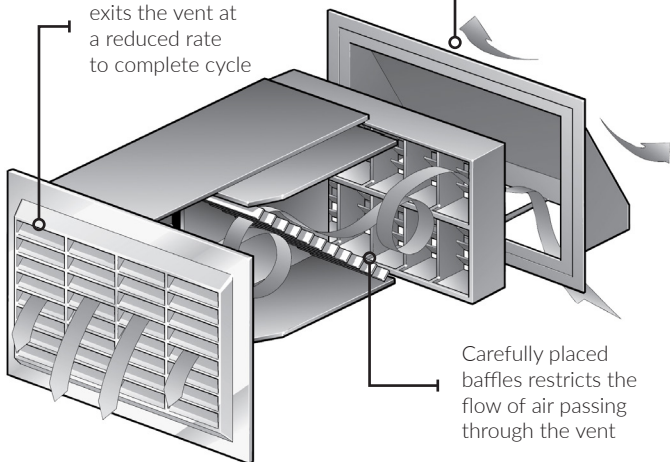
All of our flueless fires are designed to supplement central heating and should be used as a secondary heat source only. Therefore, the background ambient temperature of the room will prevent any moisture from condensing on colder surfaces such as single glazed windows.

Air Vent Century 100:
Draught Reducing Air Vent



Drawn in air is directed
through the channels
and diverted away
from the outlet

Air / Oxygen
exits the vent at
a reduced rate
to complete cycle



Carefully placed
baffles restricts the
flow of air passing
through the vent

THE FACTS

Are they safe?

For complete safety and peace of mind all of our fires incorporate an Oxygen Depletion Sensor (ODS), which detect when the oxygen levels in the room fall below a specified level and cause the pilot flame to lift away from the sensing probe. This activates the Flame Failure Device (FFD), which cuts off the gas supply to the fire and renders the appliance safe. For additional safety, all of our flueless fires are fitted with a catalytic converter system to ensure excellent levels of air quality.

What happens to the gases?

The catalytic technology cleans the hot air leaving the combustion chamber, converting Carbon Monoxide into harmless Carbon Dioxide. It works so effectively that it can also assist in neutralising unwanted airborne particles and allergens present in the home, helping to create a cleaner and friendlier environment.

STOVES

Solid fuel stoves vs Flueless gas stoves?

- Flueless stoves can be used in 'smokeless zones' in cities that have these sanctions in place.
- The look of a real log fire without the expensive product cost of a solid fuel stove.
- Installation is a fraction of the cost of installing a solid fuel stove.
- No chimney or flue is required so a flueless gas stove can be positioned on any internal flat wall.
- Does not require electricity so will work during a power failure.
- Cleaner and simpler to use, with no need to empty ashes or store logs.
- Greater control over heat to maximise efficiency and keep running costs down.
- Instant warmth with simple to use slide control.
- Built in flame failure device and oxygen depletion sensor to automatically shut off the gas supply should oxygen levels in the room drop below a certain level.
- No need to inform Building Control as flueless gas stoves are not required to meet Building Regulations.
- Only a Gas Safe registered engineer is required for installation.
- Cheaper to run and an on-tap fuel supply.
- Clean burning.

A RANGE TO SUIT YOU



Our extensive range features wall mounted, inset and stove models in both traditional and contemporary styles. The wall mounted models simply attach to the wall and inset versions can be fitted inside a traditional fireplace alcove to provide the look of a real fire with real flames whilst complimenting your existing surround and decor.*

*The stove models do not require a hearth and can be installed flat against a wall or in a traditional fireplace inglenook.

