



Take control of your chimney draught with a chimney fan system



exodraft
CHIMNEY DRAFT TECHNOLOGY

Many experience problems

Many homes with wood-burning stoves or fireplaces experience problems when lighting the fire. Some of the most typical problems are:

Difficulty lighting the fire

Difficulties in lighting the fire can be caused by using poor quality fuel or because the draught in the chimney is insufficient. The draught in the chimney is caused by the warm air being lighter than the cooler air outside. As the chimney is cold when lighting the fire the draught is reduced and it can be hard to get the fire started. It is important that the kindling is dry and that you start with small pieces of wood. This will ensure that the fire will take hold quickly, creating the heat that is necessary to create a good chimney draught, but sometimes even this is not enough.

Smoke in the room

Spillage can occur if there is insufficient draught. This can be caused by insufficient air supply or the use of extractor fans. Fireplace and stove size, chimney height and chimney location in relation to nearby buildings can also effect draught and result in smoke spilling in to the room. It is also important to be aware that the chimney draught can vary with the season, the outside temperature and the weather (wind, rain, etc).

The fire goes out

Good combustion needs air. The chimney's "job" is not only to remove smoke but to draw in fresh air through the supply vents to replace the air used by the fire. If the air supply is reduced too quickly, uncombusted gasses and particles will exit through the chimney, causing soot and smokey odours.

Odours and soot

Poor combustion can cause soot build up on the stove door as well as smoke odours. Damp or wet fuel, an incorrectly set air damper or insufficient chimney draught will also cause this. Good combustion requires high temperatures and sufficient air supply. If the air supply is reduced too quickly, uncombusted gasses and particles will exit through the chimney, causing soot and smokey odours.

You are not the one doing something wrong

People are often disappointed when their dream of a cosy warm fire is ruined by insufficient chimney draught.

Many often think it must be something that they are doing wrong when they light the fire. The simple act of lighting a fire is made difficult by smoky down draughts, soot or the fire going out. Problems lighting the fire can arise because of incorrect or poor quality fuel, but in most cases problems are caused by insufficient chimney draught.

Thirty years ago we accepted kitchen smells because we did not have kitchen extractor fans. Why should we now accept soot and smoke escaping into our rooms, when a chimney fan will solve the problems caused by insufficient chimney draught.



Many people believe that it is their fault when the fireplace or stove causes smoke in the living room. But the problem is typically caused by insufficient chimney draught.



Control your chimney draft
with a chimney fan system

Solves your chimney draught problems and gives you additional advantages

If you install a variable speed chimney fan system you will always have control of the chimney draught. Apart from providing you with the optimal chimney draught as soon as you light your fire, a chimney fan system will also give you many other advantages.



Lighting the fire is quick and easy

It will be easier for you to light your fire, regardless of the weather or the size of your fireplace or stove in relation to your chimney. For the environmentally aware, it is also nice to know that because the fire takes hold much quicker, fewer particles escape into the atmosphere.



No smoke or odours

Because the chimney fan ensures that the smoke exits through the chimney rather than into your living room, you will not have smoke spillage and odours, even when you light or refuel the fire.



Improved combustion saves money

The correct chimney draught ensures steady combustion and thus saves you money. Optimal combustion reduces the amount of fuel needed by up to 15 %.



Healthier soot-and-smoke-free indoor environment

If you turn the chimney fan on while you clean your fireplace, the fine ash is extracted up through the chimney instead of escaping into the room and onto your furniture. Please make sure that the fan is cleaned afterwards. Your home's indoor environment is much healthier as all the particles are sucked up through the chimney.



Additional ventilation

As an extra bonus, when the fireplace is not in use you can use the chimney fan for ventilation during the summer or winter. If for example you leave your chimney fan running at low speed overnight after you have entertained guests, it ensures you will be breathing fresh air, free of odours the next morning.



A better indoor environment as an additional bonus

A chimney fan does not just deliver the perfect chimney draught. It can also improve your indoor climate. When you air the room, vacuum, or use your cooker hood you do it to improve your indoor climate. A mechanically generated chimney draught can also benefit your indoor environment.

The chimney fan stops soot from covering furniture and fixings. It also ventilates the room if you turn it on when you are not using the fireplace. It stops ash escaping into the room if it is turned on while your wood-burning stove or fireplace is being cleaned. In short, a chimney fan helps you achieve a better indoor environment.

Benefit from 50+ years of experience

exodraft products are based on 50 years of experience within chimney draught technology and an extensive expertise in the field of chimneys and chimney draught. Many different kinds of solutions are tried when it comes to chimney draught problems, but a chimney fan is the most effective solution to insufficient chimney draught.

Our commitment to quality, honesty and integrity has helped us become the world market leader within the industry for mechanical chimney draught. Our chimney fans are of the highest quality and reliability. All of our products also come with a two-year factory warranty.

We have an extensive network of dealers around the world that can help you choose the right chimney fan for your fireplace. Just download an appraisal form from our homepage www.exodraft.co.uk and send it in.

An almost invisible solution – with a visible effect

The chimney fan is mounted discreetly on the top of the chimney and ensures that you have the correct chimney draught to enjoy a cosy fire in your wood-burning stove or fireplace.



Frequently asked questions

How does a chimney fan work?

The chimney fan is mounted onto the top of your chimney. When the chimney fan is turned on, it creates a negative pressure in the chimney, causing smoke to be extracted up the chimney and fresh air to be drawn to the fire, which in turn ensures effective combustion.

Can a chimney sweep clean the chimney when a fan is mounted on the top?

The chimney sweep can easily open the chimney fan and access the chimney which can be cleaned in the normal fashion.

How is a chimney fan maintained?

Cleaning is the only the maintenance that a chimney fan requires. How often it needs to be cleaned depends on the kind of fuel being burned in the fireplace or stove. If only dry wood is used in the fireplace the chimney fan only needs to be cleaned once a year depending upon usage. Dirt and soot can be removed from the fan using a steel brush or scraper.

Can the chimney fan fall down the chimney?

The chimney fan is fitted to the chimney top using mounting brackets or a flange plate. The brackets or the flange along with the weight of the fan will keep it fixed in place even in extreme weather conditions. An additional safety wire means the chimney fan cannot fall down from the chimney when it is being serviced or when the chimney is being swept.

What happens if there is a power failure?

If there is a power failure, or if the electricity has been switched off, the chimney will function as it did before the chimney fan was installed. The fan will offer very little resistance to the natural flow.

What is the working lifetime of a chimney fan?

Chimney fans are made of cast aluminium and high temperature resistant materials. This ensures a long and reliable working lifetime. Many of our fans have been running for more than 25 years.

For more information visit www.exodraft.co.uk

"I recommend **exodraft** chimney fan solutions to my customers when I can see they have chimney draught problems."

*Martin Holm Andersen
Certified Chimney Sweep*



A good idea
– and inexpensive to use



Some people believe a chimney fan is expensive to run.
In fact a chimney fan uses no more electricity than a 60 W bulb.

The chimney fan system

An **exodraft** chimney fan system consists of a chimney fan connected to a manual or semi-automatic control so the chimney draught can be adjusted according to requirements. The chimney fan is easy to mount on the top of the chimney and can tolerate constant temperatures as high as 250 °C. The impeller is dynamically balanced to keep vibrations to a minimum so the chimney fan operates very quietly.



Chimney fans

Chimney fans are available in two model types for solid fuel applications. The RSV model has vertical discharge while the RS model has horizontal discharge.



Model RSV



Model RS

If the chimney top is above the ridge height of the roof, both RS and RSV type models can be used. RSV models are recommended for use in windy areas. If the chimney top is lower than the height of the roof ridge or if the building has a thatched roof we would also recommend the RSV chimney fan due to the vertical discharge.

Both models are available in various sizes to suit any size of fireplace or wood-burning stove. RS models have square baseplates as standard but are also available with octagonal baseplates.



The chimney fans can be opened easily, enabling a chimney sweep to sweep the chimney and clean the chimney fan without any problems.

To find out more about chimney fans visit www.exodraft.co.uk

Controls and accessories

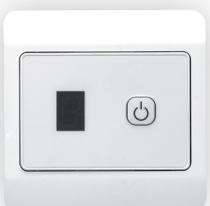
Manual control



The EFC16 control unit lets the user manually control the chimney draught. It has an on/off button and an LED to indicate when the chimney fan is running.

The EFC16 and EFC18 control units must have a repair/isolation switch fitted to the chimney, this can only be done by a qualified electrician.

Manual/automatic control



The EFC18 control unit is used to regulate the chimney draught. The chimney fan can either be started manually or automatically. The fan speed is regulated manually.

The control unit comes with a temperature sensor, which enables the control unit to stop the chimney fan depending on the temperature in the chimney. When you restoke the fire you can boost the speed of the chimney fan to maximum for three minutes with the touch of a button. The chimney fan will automatically adjust itself back down to the preset speed afterwards. We recommend that the EFC18 is used on closed appliances.

Wireless control



The EW 41 wireless control regulates the chimney draught. It is quick and easy to install as there is no need for cables between the power unit and the control panel. The control comes with a temperature sensor that gives you access to a range of functions and options that not only help improve the indoor environment but also increase safety, such as:

- a boost function, making lighting the fire easier
- an alarm function, for example in the case of a chimney fire
- an automatic stop function, controlled by the temperature in the chimney
- a function indicating when the fire needs relighting/stoking

The wireless control only communicates with electronically paired components and will not be disturbed by other wireless units such as doorbells, baby alarms etc.

Flanges



The chimney fan is fitted to a steel chimney using a corrosion resistant flange, ensuring the chimney fan is mounted onto a level surface. Two types of flanges are available:

- FR square flange for RSV and RS chimney fans with square baseplates
- FR-02 octagonal flange for RS chimney fans with octagonal baseplates

To learn more about chimney fan controls and accessories visit www.exodraft.co.uk

exodraft's extensive product range is based on more than 50 years of experience and knowledge in the field of combustion and chimney draft technology. Our products are known for high safety and quality and we are helping to set the standards and requirements for draft technology.

exodraft products are all fully documented in accordance with current national and international standards and are sold in more than 40 countries – for small domestic fireplaces in private homes to larger commercial and industrial boiler installations.



Solid fuel and wood-burning stoves and fireplaces



Decentralized multiple fireplaces connected to same chimney



Solid fuel and bio-fuel boilers (pellets etc.)



Gas fireplaces



Oil and gas boilers



Decentralized multiple heating appliances connected to same chimney



Bakeries



Industry



Restaurants and pubs

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