

Get to know your Zehnder ComfoAir

Your Mechanical Ventilation Heat Recovery (MVHR) system.

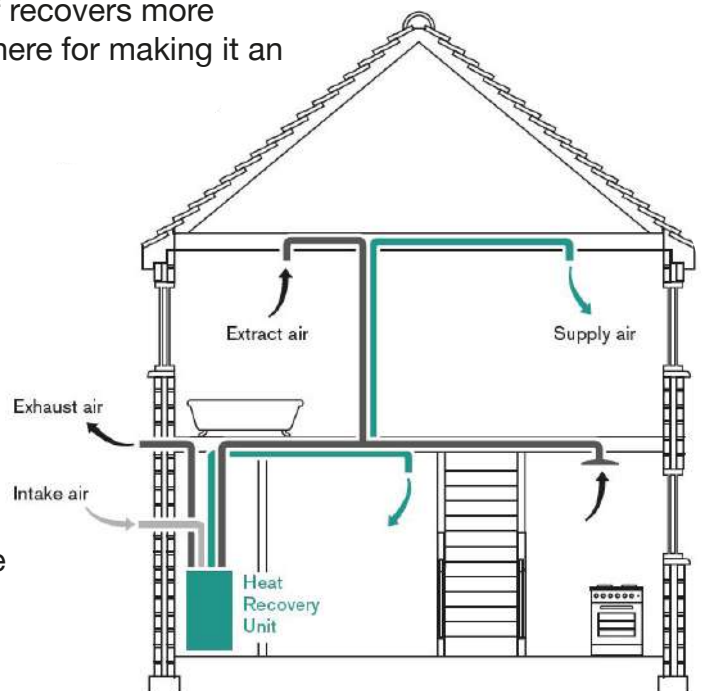


What is heat recovery?

Heat recovery is a continuous running ventilation system that recovers the majority of heat energy and supplies it back to your home that would otherwise be wasted. The heat recovery unit itself recovers more energy than what is used to operate the system there for making it an efficient ventilation solution.

How does it work?

The airflow is provided through a ducted system to serve all of the rooms in the house. It extracts air from the wet rooms (kitchen, bathrooms, toilets, utility room) and supplies air to the habitable rooms (living room, bedroom, dining room, study). By having continuous airflow it helps reduce build up of excessive moisture and odours within your property, providing a more comfortable indoor environment. ComfoAir is working 365 days per year to provide fresh filtered air to your home.



Your house is fitted with a
continuous running extract system



DO NOT SWITCH IT OFF!

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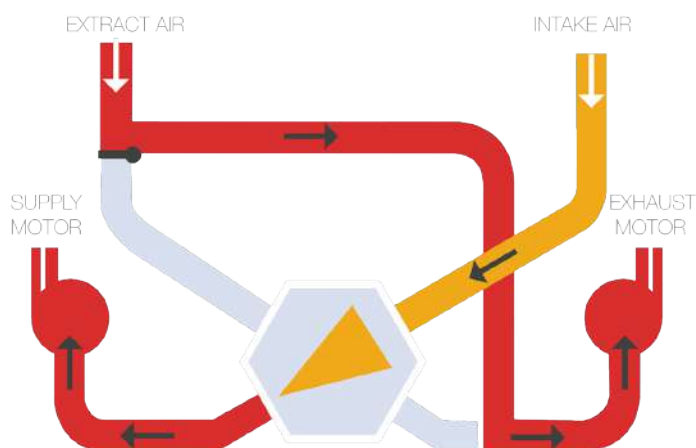
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The ComfoAir range has up to 93% heat recovery efficiency and offers outstanding energy with low noise performance. The heat is being recovered from your home constantly which means it helps reduce the heating demand for the property. This is advantageous not only for yourself but also for the environment, making it a sustainable heat recovery system.

It is extracting and supplying air to keep your home fresh whilst removing moisture and other airborne particles. The system will boost in a number of ways to ensure higher levels of moisture and odour are removed e.g. from bathing, showering and cooking. This will be via a light switch (bathroom), humidity sensing (bathroom and kitchen) or via an independent switch (kitchen).

The boost increases the ventilation rate to quickly extract moisture and keep internal conditions maintained for you and your family. It also contains features such as its automatic true summer by-pass, high heat recovery efficiency and integrated humidity sensor to provide a comfortable, healthy and energy efficient indoor climate.



Summer Bypass in your MVHR unit.

- ✓ When the weather warms up your MVHR unit stops recovering and reusing heat, the summer bypass function is now a crucial factor in helping reduce discomfort of the summer heat
- ✓ Limits airflow
- ✓ Reduce the level of tempered air
- ✓ Activates automatically based on external temperature level e.g. 23°C
- ✓ Uses an intelligent algorithm to look at both internal and external conditions
- ✓ Provide 'cold recovery' as further contribution to improve comfort levels in summer months

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The filters in your Zehnder ComfoAir

Your Mechanical Ventilation Heat Recovery (MVHR) system.

To ensure the optimum level of efficiency in your MVHR system, it needs to be looked after. The filter should be checked or changed every 6 months. Just as a vacuum cleaner if the filters get clogged it becomes noisier and doesn't work as well.



WHY CHANGE YOUR FILTERS?

- ✓ It will run at its most efficient
- ✓ Its economical, a well conditioned MVHR will bring your energy bill down
- ✓ Reduces the noise
- ✓ It keeps mould and mildew at bay which ensures the maintenance of the building structure and adds value to your property

What happens to your filters?



Stage 1
Brand new filters fitted into your MVHR.



Stage 2
After a few months, there will be signs of wear and tear.

The ComfoAir MVHR is constantly filtering the indoor air. These different stages show how much air pollution can take place inside your home. Always make sure you are checking and changing your filters!



The No Go Zone
This is the worst stage and you should always ensure you never let your filters get this bad.



Stage 3
After 6 months have passed you need to check your filters. Depending on the state of your filters (as shown above) you need to change the filters.



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How many pints of moisture do you think a shower creates?

There is a lot of moisture in homes!

- A bath or shower 2 pints
- Drying clothes indoors 9 Pints
- Cooking and use of a kettle 6 Pints



- ✓ Ventilation in 'wet rooms' is essential
- ✓ Existing homes where insulation has been improved/upgraded
- ✓ New Homes – Building Regulations
- ✓ Mould and Condensation are serious issues

High concentrate of indoor pollution could be harmful to you and your family without you even realising it.



Occupancy and lifestyle

From single person to families of 6 or more, drying clothes indoors and pots bubbling on the stove all day – fan needs to be adjustable to suit.

Pints of moisture produced in a day:

- 1 person = 6 pints
- 3 people = 11 pints
- 6 people = 19 pints

The benefits of good ventilation in the home.

- ✓ Good ventilation helps reduce condensation i.e. water droplets on windows, walls or other surfaces
- ✓ Ventilation help control the concentrations of VOCs (Volatile organic compounds) becoming toxic
- ✓ Draw out the moisture in your home and minimise the effect of dampness on your home's structure.
- ✓ Allergens such as pollen, dust and other irritants will be reduced significantly with proper ventilation
- ✓ Reduce the risk of Radon gas, which is an odourless, colourless gas and is formed by natural decay of uranium rocks

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These are real filters from installed systems that has not been replaced in time.



Filter reminder service

Since we spend up to 90% of our time indoors, it is vital that your system is maintained throughout the year - especially the filters - to ensure good levels of indoor air quality are maintained. We can remind you to check and replace your filters - register today!

www.zehnder.co.uk/service/homeowner-registration

Need to buy filters?

Replacing your filters regularly ensures zero noise pollution whilst still maintaining quality air throughout your home! Buy with confidence, you can now buy filters from our trusted partner sites in one place.

www.zehnder.co.uk/buy/filters

Look after your ventilation system!

Heat Recovery is a whole house ventilation system and recovers heat that would have otherwise have been lost.

For full instructions and maintenance information on the ComfoAir, please refer to the Homeowner Guide available at: <https://www.zehnder.co.uk/comfoair-page-0>



Your house is fitted with a *continuous* running extract system

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