



www.vortice.ltd.uk

Why VENTILATE?





Why is it so important to VENTILATE?

It is simple, the air we breathe
is very important!

The effect of not having good indoor air quality in the home is dramatic. The average person spends 90% of time indoors and breathing in stale contaminated air can lead to health issues.

Newer houses have become more airtight which means it is harder to get a fresh air path through the building. Breathing in stale contaminated can lead to health issues.



Factors that can lead to an unhealthy indoor air quality can include:

- Building materials;
- Cigarette fumes;
- Paint fumes;
- Cleaning products (detergents etc);
- Animals;
- Cooking;

The effects of poor indoor air quality can lead to a number of health issues and allergies:

The air we breathe is vital for our well-being and health. Exposure to a poor indoor environment over long lengths of time could lead to a number of health issues such as:

- Headaches;
- Fatigues;
- Nausea;
- Flu;
- Respiratory issues such as asthma.





Dust Mites

The humidity levels within a property are directly linked to the levels of house dust mites and dust mite allergens. By controlling the humidity within the home, dust mites are less able to breed helping asthma sufferers to breathe more easily.

Condensation

The appearance of condensation on the inside of windows is a frequent and annoying occurrence. The construction of more airtight homes leads to the reduction of natural ventilation and air infiltration within the property. If ventilation is not correctly designed and installed the condensation levels could increase. Increase in condensation levels can result in damp patches on walls and peeling wallpaper. Ventilation is key to removing excess moisture from the property for comfort and good health.



Mould

Prolonged high levels of humidity and condensation are the main cause of mould growth.

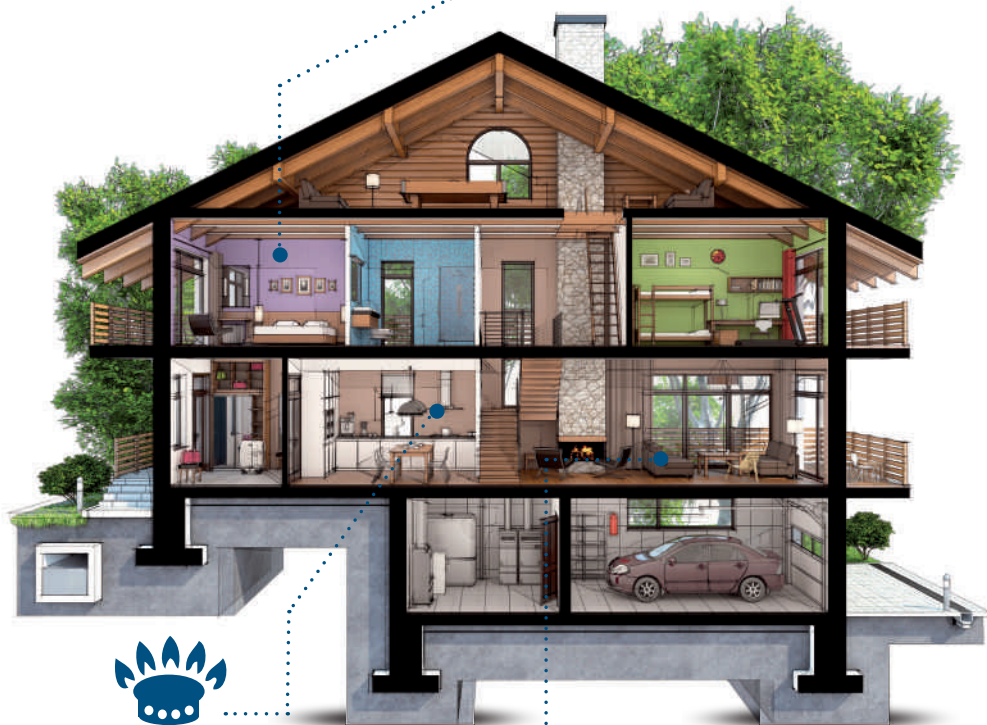
Mould spores travel through the air and multiply in damp areas. 1 in 5 homes suffer from issues with mould.

Mould is an allergen which can lead to respiratory issues.





The volatile organic compounds (VOC's) released from paint fumes can have a serious effect on health when breathed for long periods of time.



Cooking using a gas appliance emits nitrogen dioxide, formaldehyde and carbon monoxide. These can lead to the increase of various respiratory and other health ailments.

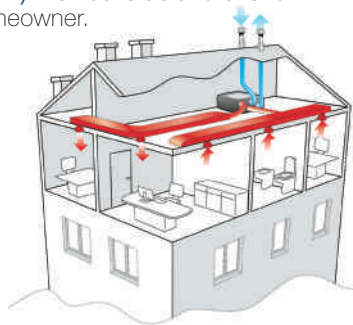


Carpets could harbour dust mites, animal dander and harmful particles.

The solution is VENTILATION!

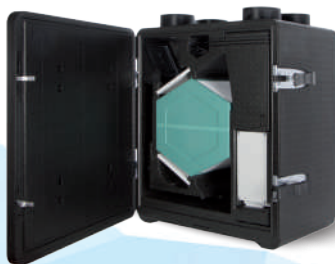
It is simple, the air we breathe is very important!

Thanks to the design of various ventilation systems such as **Continuous Mechanical Extract Systems (MEV)** and **Continuous Mechanical Supply and Extract Ventilation with Heat Recovery (MVHR)**. Vortice is able to offer a ventilation system to suit the needs of the homeowner.



Filters

To ensure a healthy indoor air quality Vortice offer many different grades of filters for its ventilation units which filter dust particles, pollen and fumes. Filtration on Heat Recovery units is imperative to ensure the incoming air is filtered as to not introduce external pollutants into the home. Vortice have thought about the importance of indoor air quality by ensuring their heat recovery units have a 100% fully filtered system. **This feature is particularly useful when installing in areas of high pollution (apartment blocks in inner cities).**





Air is life



Benefits of good VENTILATION



Life quality

Having a well ventilated home ensures the homeowners are breathing in fresh air, therefore leading a healthy and happy lifestyle. Air is Life!



Energy saving

A typical family home uses no more energy when ventilated with an MVHR system than that of a 60 W lightbulb.



Cost savings

By using a heat recovery system you are recovering heat from the moist stale air and temporizing the incoming air. This enables the homeowner to turn the thermostat down therefore saving energy and money.





www.vortice.ltd.uk

☎ 01283 492949

✉ sales@vortice.ltd.uk

Cod. 5.910.084.082 UK

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Vortice Elettrosociali S.p.A.
Strada Cerca, 2
Frazione di Zoate
20067 Tribiano (Milano)
Tel. (+39) 02 906991
Fax (+39) 02 9064625
Italia

Vortice France
15-33, Rue Le Corbusier
CS 30007
94046 Creteil Cedex
Tél. (+33) 1 55 12 50 00
Fax (+33) 1 55 12 50 01
France

Vortice Limited
Beeches House-Eastern Avenue
Burton upon Trent
DE13 0BB
Tel. (+44) 1283-49.29.49
Fax (+44) 1283-54.41.21
United Kingdom