



space ventilation

Breath Easy

high efficiency heat recovery ventilation from Ubbink

Why is ventilation important?

There is increasing demand to make homes more energy efficiency to reduce both heating costs and carbon emissions. Better insulation, double glazing and draught proofing effectively prevent air escaping from the building. This means that water vapour created in everyday activities such as washing and cooking cannot escape, which causes a build-up of condensation.

This can lead to mould growth which damages the internal decoration and attacks the fabric of the building itself. High relative humidity allows mould and the house dust mite to thrive, which are contributory causes of asthma and other bronchial conditions.

Not only does lack of ventilation cause unpleasant smells from pets, cooking or tobacco smoke to linger, but it can cause the build-up of potentially toxic gases from burning fuel and synthetic materials in furniture and carpets, paints or cleaning products.

A controlled ventilation system is the answer.





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But what sort of ventilation?

Heat Recovery Ventilation (HRV) is a controlled ventilation system that is effective and economical to run. It extracts the moist, stale air from the building and replaces it with clean filtered fresh air, without letting the heat escape. HRV recovers the heat from the outgoing warm air and transfers it to the incoming fresh air. This means that the energy that would otherwise be lost is used to heat the incoming air, helping to maintain a comfortable temperature.

How does it work?

Ubbink's HRV systems recover up to 95% of heat from the extracted stale air by using a cross flow heat exchanger. The outgoing and incoming air pass next to each other but do not mix. The incoming air is filtered to reduce the incidence of pollen and dust while the outgoing air is filtered to protect the heat exchanger and internal components.

Ubbink HRV systems

- Provide a clean draught-free environment
- Improve indoor air quality
- Provide controllable ventilation
- Provide energy positive ventilation for maximum efficiency
- Operate quietly
- Recover up to 95% of heat from extracted air to warm fresh incoming air
- Are environmentally friendly and are a recommended option for Part L of 2006 Building Regulations
- Comply with Building Regulations Part F 2006 for domestic dwellings.

Ubbink - experts in ventilation and heating solutions



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