

MVHR Homeowner Guide



INDOOR
ENVIRONMENT
SPECIALISTS



A heat recovery ventilation system (MVHR) has been installed in your home and it has 3 important jobs;

- 1** To maintain a good level of indoor air quality for you and your family
- 2** To contribute to a comfortable indoor environment all year round
- 3** To help reduce your heating bill by re-using heat that would have otherwise been lost

How important is ventilation in your home?

- We breathe **10,000 litres of air per day and 90% of it indoors** - we need to extract stale air and replace with new for our health and well-being
- As many as **900 pollutants** can be in the air inside your home from cleaning products, furnishings, pollen and even fumes from vehicles outside! Effective ventilation and air movement will help maintain a good level of indoor air quality throughout the year
- A family of **4** can create up to **24 pints of moisture per day** indoors from cooking, hanging clothes to dry, showering and breathing! Excessive amounts of moisture inside your home can lead to mould and condensation over time.

How does the MVHR system work?

1. From bathroom, wc's and the kitchen, the MVHR system is extracting air containing moisture, odours and pollutants

3. Replacement outside air is continuously supplied into the property. It is passed through a filter and the heat exchanger (where it picks up the recovered heat) and is then supplied to living and bedrooms

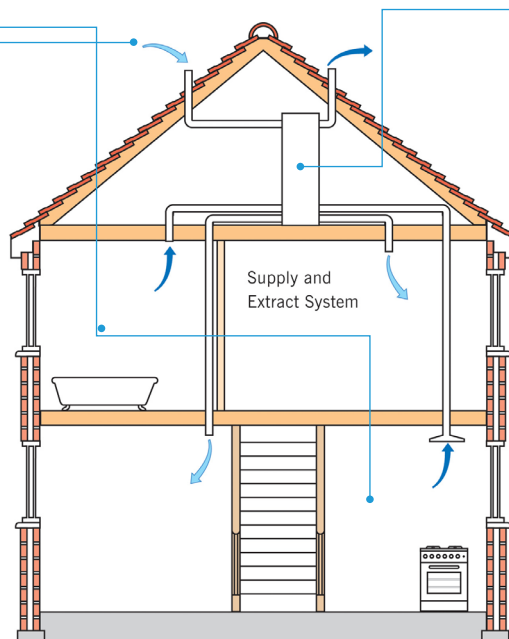


Illustration shows MVHR in house mounted in loft.
In apartment unit usually located in cupboard

2. As air is extracted it passes through a heat exchanger recovering up to 95%* of heat inside the heat recovery unit.

*Heat recovery % varies based on brand make and model

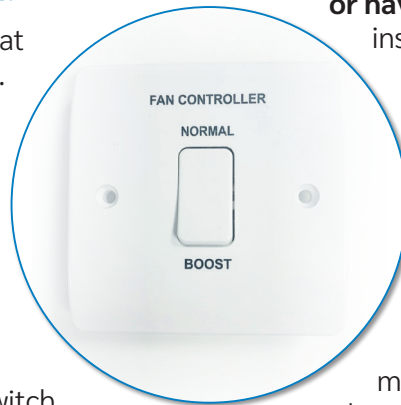
4. When outside air temperature increases, the heat recovery mode is switched off to avoid overheating and increasing the internal temperature (temp point is pre-set on the unit) - this is called the **Summer By Pass Mode**

How is the system controlled?

A MVHR unit runs continuously 24 hours per day extracting stale air and replacing with new. It has two speeds - **trickle and boost**.

The **trickle** speed runs continuously at a low level throughout the day/night. The **boost** speed increases the rate of ventilation when activities such as cooking and showering take place and there is an increase in moisture and odours. The **boost** speed is activated automatically or manually depending on the system and set up;

- Automatically via bathroom light switch
- Automatically via humidity sensing
- Manually via wired in switch in central area/ kitchen



Purge Ventilation - reducing overheating

In **certain homes, windows are non-openable or have restricted openings**. In these instances, additional ventilation provision may have been installed to control overheating in warmer months and maintain indoor comfort and air quality.

The requirement of this additional ventilation is specific to habitable rooms only such as living rooms and bedrooms. You may have additional switches in these rooms or centrally in a hallway which should be used as and when required for your comfort.

Servicing & Maintenance

A MVHR unit moves air in and out of your home 24 hours per day. Over time, the system gets clogged with dust and debris which can start to impact performance and cause issues such as condensation and an environment that feels 'stuffy'. This might also lead to increased levels of noise from the system itself.

Find out more about servicing options



What are the recommended service intervals?

- System servicing is recommended **annually**
- Filter check and replacement is recommended **every 6 months** (or sooner depending on the location of your property)

What is included in a system service?

A full comprehensive service covers all of the key parts of the system;

- Clean and sanitise unit and motors
- Clean and sanitise heat exchanger
- Replace supply and extract filters
- Clean and sanitise in room air valves
- Test and record system airflow rates (and adjust where required)
- Provide service report

Important Information: Do not turn off your ventilation system. Your energy efficiency home requires effective air movement to maintain comfort and good levels of indoor air quality.

Find out more about servicing options and pricing

We have a range of options to suit including monthly payment plans.

Call us on **033 0223 4180** or email enquiries@hrv-group.com

Filters inside the MVHR system are quickly clogged.