

# MVHR User Guide

## 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 free from condensation and mould
- 3** To help reduce your heating bill by re-using heat that would have otherwise have been lost - circa £300 per year!



## How important is ventilation in your home?

- As many as **900 pollutants** can be in the air inside your home from cleaning products, furnishings, pollen and even fumes from vehicles outside!



- 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 much does the system cost to run per year?

Your MVHR System runs 24/7 to ensure comfort and good indoor air quality in your home. It is important not to switch it off as this could cause high humidity levels and issues with condensation and mould.

The unit uses very low energy motors which means it has low running costs!

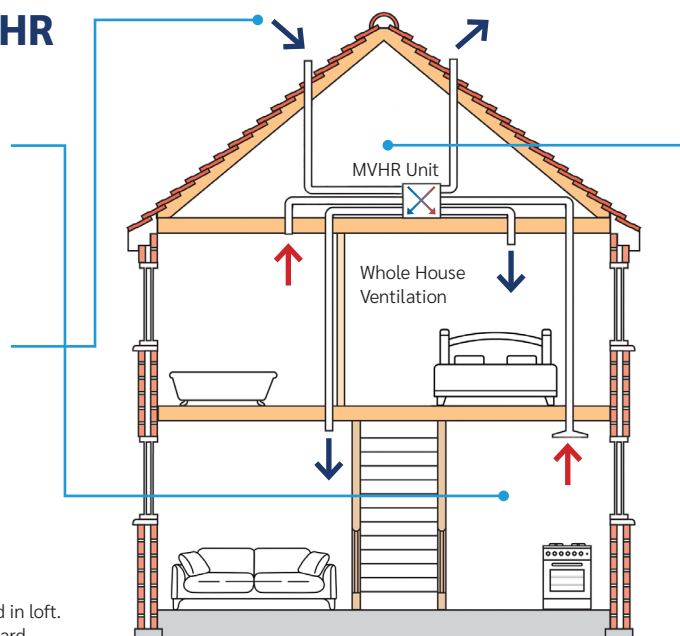
<b>MVHR Unit</b>	£41.00 pa
<b>Washing machine</b>	£86.00 pa
<b>Fridge Freezer</b>	£124.00 pa
<b>LED TV</b>	£39.00 pa
<b>Games Console</b>	£49.00 pa

\* based on typical usage

## How does the MVHR system work?

**1.** The MVHR Unit is extracting air containing moisture, and odours from all wet rooms.

**3.** Replacement air is passed through a filter and the heat exchanger (where it picks up the recovered heat) and then supplied to habitable rooms.



**2.** As air is extracted it passes through a heat exchanger recovering up to 95%\* of heat.

\*varies based on brand make and model

**4.** When outside air temperature increases, the heat recovery mode is switched off to avoid overheating - this is called the **Summer By Pass** Mode.

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

## How is the system controlled?

A MVHR unit runs continuously 24 hours per day and has two speeds - **trickle and boost**.



The **trickle** speed runs continuously at throughout the day/night.

The **boost** speed increases the rate of ventilation when required e.g. cooking/showering, activated via;

- Automatic sensors
- Bathroom Light Switch
- Manual switch (in kitchen or central area)

## Purge Ventilation

In **certain homes, windows are non-openable or have restricted openings**. In these instances, additional ventilation provision may have been installed to control overheating.

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

## MVHR: 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 a 'stuffy' feeling. This might also lead to increased levels of ducts and noise as well as reduce the lifespan of the unit.

- **System servicing is recommended annually**
- **Filter check/replacement is recommended every 6 months**
- If you don't believe the unit is working effectively, or there are error codes showing on the unit a service or investigation may be required

A comprehensive service should concentrate on key aspects of the system including unit motors, heat exchanger, filters, in room air valves and include an airflow test and rebalance.

### End users – 4 things you should know

- 1** Do not switch your unit off. Leave the isolator switch. In the event of a power cut, when power is restored, the unit will return to previous settings
- 2** The system is designed to run 24/7, every day of the year
- 3** Boost Switches should be used when cooking or showering (or automatic sensors will handle this)
- 4** Do not move/turn the air valves as these have been set to provide the correct airflow for your home



If you'd like to discuss servicing or maintenance, please call us on **033 0223 4180** or email [enquiries@hrv-group.com](mailto:enquiries@hrv-group.com)

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